# **American Century Inflation Adjs Bond R5** AIANX

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

## Portfolio Manager(s)

Robert Gahagan since 11-2001 James Platz since 09-2007 Miguel Castillo since 02-2014

## **Quantitative Screens**

Q Performance: The fund has finished in the InflationProtected 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 20.59 years.

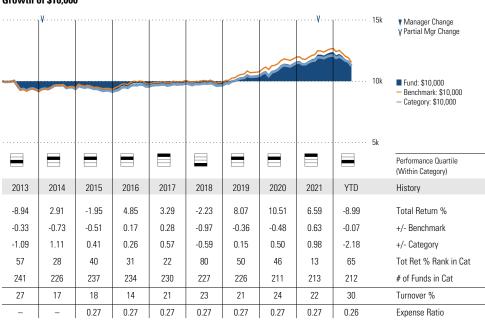
Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 0.27 is
 53.45% lower than the Inflation-Protected Bond category average.

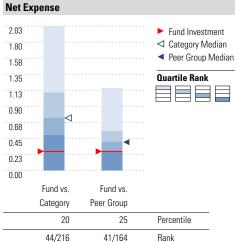
## **Morningstar Investment Management LLC Analysis**

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

# 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	-0.18	_	0.12
Beta	1.03	_	0.90
R-Squared	97.26	_	81.19
Standard Deviation	5.25	5.01	5.14
Sharpe Ratio	0.47	0.51	0.51
Tracking Error	0.88	-	2.40
Information Ratio	-0.11	-	-0.31
Up Capture Ratio	101.26	-	90.59
Down Capture Ratio	103.57	_	89.58

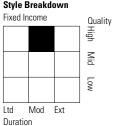
Portfolio Metrics			
	Fund	Bmark	Cat
Avg Eff Duration	7.36	4.52	6.23
Avg Eff Maturity	7.74	_	7.41



# American Century Inflation Adjs Bond R5 AIANX

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

Style Analysis as of 06-30-2022 Style Breakdown





50

Asset Class US Stocks	Net % 0.00	Cat% 0.11
Non-US Stocks	0.00	0.00
Bonds	95.21	94.74
Cash	4.58	4.31
Other	0.20	0.83
Total	100.00	100.00

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	88.81	0.00	87.52
AA	1.16	99.60	8.49
A	2.59	0.00	0.26
BBB	3.32	0.00	0.89
BB	0.09	0.00	0.23
В	0.00	0.00	0.05
Below B	0.00	0.00	0.10
Not Rated	4.03	0.40	2.46

Sector Weighting as of 06-						
	Fund	Bmark	Cat	Fund	▼ Benchmark	Category Average
Government	86.73	-	86.62			
Treasury	0.00	_	0.41			
nflation - Protected	65.08	-	81.67			
Agency/Quasi Agency	0.00	_	0.03			
Other Government Related	21.65	_	4.51			
Corporate	3.20	_	2.90			
Corporate Bond	3.04	_	2.60			
Bank Loan	0.00	_	0.20			
Convertible	0.16	_	0.10	0		
Preferred	0.00	_	0.00			
Securitized	4.48	_	4.98			
Agency MBS Pass-Through	0.00	_	0.60			
Agency MBS ARM	0.00	_	0.00			
Agency MBS CMO	0.03	-	0.68			
Non-Agency Residential MBS	0.11	-	0.25			
Commercial MBS	1.09	_	0.69			
Asset-Backed	3.25	_	2.54			
Covered Bond	0.00	_	0.22			
Municipal	0.00	-	0.02			
Cash & Equivalents	5.58	-	4.53			
Other	0.00	_	0.92	[]		

100

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ United States Treasury Notes 0.125%	10-2025	6.44	6.44	_
⊕ United States Treasury Notes 0.625%	01-2026	5.15	11.59	_
⊕ United States Treasury Bonds 2%	01-2026	3.89	15.49	_
⊕ 5 Year Treasury Note Future June 22	06-2022	3.45	18.94	_
→ United States Treasury Notes 0.125%	01-2023	3.43	22.37	-
⊕ United States Treasury Notes 0.25%	01-2025	2.96	25.32	_
⊕ United States Treasury Bonds 1.375%	02-2044	2.90	28.22	_
⊕ United States Treasury Notes 0.5%	01-2028	2.79	31.01	_
⊕ Landesbank Baden Wurttemberg New York Branch 0%	04-2022	2.73	33.74	_
⊕ United States Treasury Notes 0.125%	01-2031	2.72	36.46	_

Total Holdings 216



# American Funds Intl Gr and Inc R6 RIGGX

**Morningstar Category** Foreign Large Blend

Morningstar Index

MSCI ACWI Ex USA NR USD

# Portfolio Manager(s)

Steven Watson since 10-2008 Andrew Suzman since 10-2008 Patrice Collette since 09-2010 Leo Hee since 07-2015 Paul Flynn since 09-2017 Michael Cohen since 07-2018 Lisa Thompson since 09-2018

### **Quantitative Screens**

- Performance: The fund has finished in the Foreign 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 13.75 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 0.54 is 41.94% lower than the Foreign Large Blend category average.

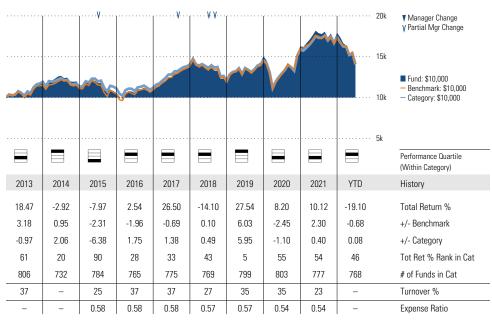
# **Morningstar Investment Management LLC Analysis**

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.

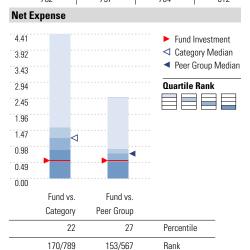
### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	2	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

# Growth of \$10,000







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

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	0.80	_	0.29
Beta	1.08	_	1.00
R-Squared	96.66	-	93.77
Standard Deviation	19.25	17.47	18.09
Sharpe Ratio	0.17	0.13	0.14
Tracking Error	3.81	-	4.55
Information Ratio	0.19	-	0.06
Up Capture Ratio	108.98	-	101.51
Down Capture Ratio	106.01	-	100.74

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	14.56	12.10	11.95
Price/Book Ratio	1.99	1.59	1.62
Geom Avg Mkt Cap \$B	52.87	39.31	43.47
ROE	20.84	17.75	19.51



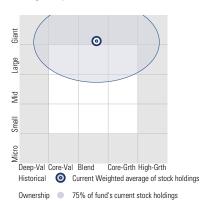
# American Funds Intl Gr and Inc R6 RIGGX

# Morningstar Category Foreign Large Blend

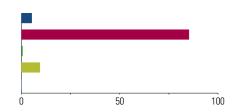
### Morningstar Index MSCI ACWI Ex USA NR USD

# Style Analysis as of 06-30-2022

Morningstar Style Box™



# **Asset Allocation** as of 06-30-2022



Total	100.00	100.00
Other	0.01	0.34
Cash	9.31	1.25
Bonds	0.40	0.28
Non-US Stocks	85.15	95.07
US Stocks	5.13	3.05
Asset Class	Net %	Cat%

# Style Breakdown

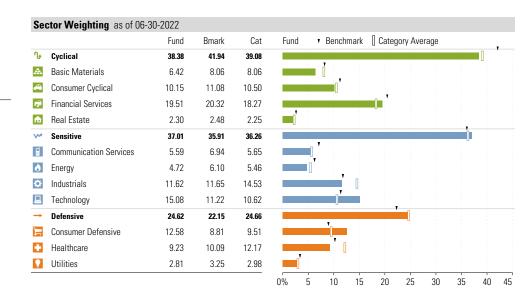
Equity

25	37	23	Large
3	8	4	Mid
0	1	0	Small

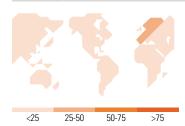
Value Blend Growth

## Weight %

>50 25-50 10-25 0-10



# World Regions % Equity 06-30-2022



	Fund %	Cat %	
Greater Asia	29.77	35.16	Amer
Japan	5.98	17.94	North
Australasia	0.69	5.40	Centr
Asia-4 Tigers	12.89	6.91	
Asia-ex 4 Tigers	10.21	4.91	
Not Classified	0.00	0.00	

Americas	Fund % 15.77	Cat % 8.86	Greater Europe	Fund % 54.47	Cat % 55.97	Market Maturity	Fund %
North America	11.03	7.72	United Kingdom	15.36	13.89	Developed Markets	84.35
Central/Latin	4.74	1.14	W euro-ex UK	38.33	40.85	Emerging Markets	15.65
			Emrgng Europe	0.33	0.09	Not Available	0.00
			Africa	0.45	1.14		

<b>Top 10 Holdings</b> as of 06-30-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Capital Group Central Cash M	9.16	9.16	_	_
☐ Taiwan Semiconductor Manufacturing Co Ltd	3.53	12.70	-21.71	Technology
British American Tobacco PLC	2.85	15.55	30.75	Consumer Defensive
AstraZeneca PLC	2.70	18.25	26.13	Healthcare
ASML Holding NV	2.20	20.45	-34.97	Technology
⊕ Airbus SE	1.78	22.23	-16.38	Industrials
○ Tokyo Electron Ltd	1.66	23.89	-32.25	Technology
⊕ Philip Morris International Inc	1.47	25.36	6.57	Consumer Defensive
⊕ AXA SA	1.47	26.83	-11.40	Financial Services
	1.46	28.29	2.97	Basic Materials

# Total Holdings 251



# 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 30.35 years.

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

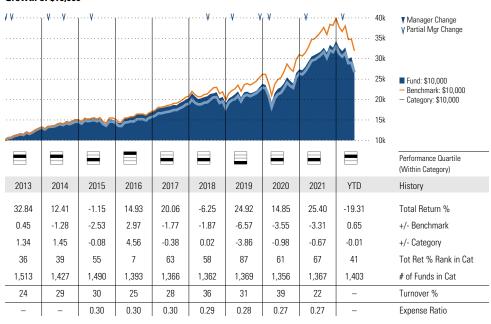
## **Morningstar Investment Management LLC Analysis**

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

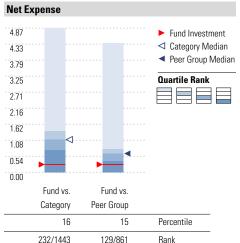
# **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	2	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022

# Growth of \$10,000



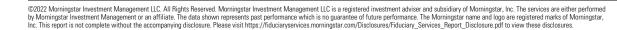




Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	-1.45	_	-1.37
Beta	0.94	_	0.96
R-Squared	98.27	_	94.93
Standard Deviation	17.60	18.64	18.43
Sharpe Ratio	0.51	0.60	0.50
Tracking Error	2.60	_	3.92
Information Ratio	-0.84	_	-1.04
Up Capture Ratio	92.40	_	93.13
Down Capture Ratio	98.60	_	98.50

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	20.97	18.44	18.70
Price/Book Ratio	3.67	3.53	4.24
Geom Avg Mkt Cap \$B	205.15	172.47	216.36
ROE	27.51	32.85	36.39





# American Funds Invmt Co of Amer R6 RICGX

# Morningstar Category Large Blend

Morningstar Index S&P 500 TR USD

# Style Analysis as of 06-30-2022

Morningstar Style Box™



# Style Breakdown

Equity

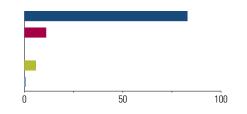
. ,			
20	36	31	Large
6	4	4	Mid
0	0	0	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10

# Asset Allocation as of 06-30-2022



Total	100.00	100.00
Other	0.55	1.10
Cash	5.71	0.58
Bonds	0.00	0.54
Non-US Stocks	10.91	2.84
US Stocks	82.83	94.94
Asset Class	Net %	Cat%

Sec	ctor Weighting as of 06-3	30-2022			
		Fund	Bmark	Cat	Fund Benchmark Category Average
<mark>Դ</mark>	Cyclical	26.14	28.47	29.31	
A	Basic Materials	3.89	2.28	2.77	
<b>A</b>	Consumer Cyclical	9.36	10.31	10.12	
÷	Financial Services	10.87	12.96	13.88	
<b>fi</b>	Real Estate	2.02	2.92	2.54	
W#	Sensitive	51.49	45.78	45.68	
	Communication Services	12.51	8.87	8.47	
ð	Energy	6.37	4.35	3.82	
Ф	Industrials	11.83	8.31	9.95	
	Technology	20.78	24.25	23.44	
<b>→</b>	Defensive	22.37	25.74	25.01	
=	Consumer Defensive	6.90	7.41	7.16	
٠	Healthcare	11.66	15.23	15.20	
•	Utilities	3.81	3.10	2.65	
					0% 5 10 15 20 25 30 35 40 45 50 5

<b>Top 15 Holdings</b> as of 06-30-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
	7.56	7.56	-23.27	Technology
⊕ Capital Group Central Cash Fund	5.84	13.40	_	-
⊕ Amazon.com Inc	4.61	18.01	-36.29	Consumer Cyclical
⊕ Broadcom Inc	4.15	22.16	-25.76	Technology
⊕ Meta Platforms Inc Class A	3.67	25.83	-52.06	Communication Svc
○ Comcast Corp Class A	2.69	28.52	-21.00	Communication Svc
⊕ Apple Inc	2.59	31.11	-22.75	Technology
⊕ General Electric Co	2.44	33.55	-32.43	Industrials
⊕ Philip Morris International Inc	2.41	35.95	6.57	Consumer Defensive
⊕ UnitedHealth Group Inc	2.33	38.28	2.91	Healthcare
Abbott Laboratories	2.25	40.54	-22.13	Healthcare
⊕ Raytheon Technologies Corp	2.07	42.61	12.91	Industrials
	1.96	44.57	-24.78	Communication Svc
⊕ British American Tobacco PLC	1.80	46.37	30.75	Consumer Defensive
Netflix Inc     ■     Netflix Inc     Netflix Inc     ■     Netflix Inc     N	1.73	48.10	-70.97	Communication Svc

**Total Holdings 200** 



# **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 05-2021
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 21.76 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.

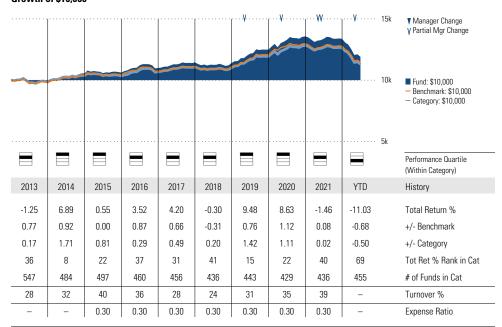
### **Morningstar Investment Management LLC Analysis**

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	05-31-2022
ESG Commitment	1-Low	02-15-2022

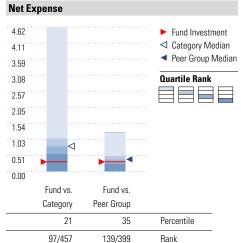
## Growth of \$10,000



### **Trailing Performance Total Return %** as of 06-30-2022 Fund Benchmark Category Average annual, if greater than 1 year 3 Month 1 Year 3 year 5 year 10 year Since Inception Fund Return % -5.01 -11.02 -0.731.07 2.13 4.48 -4.69 -10.29 -0.93 0.88 1.54 6.78 Benchmark Return % -4 93 -10 74 -1 00 0.72 1 47 Category Average % 55 61 28 20 8 % Rank in Category

362

267



443

399

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

3- Tear hisk Wietrics			
	Fund	Bmark	Cat
Alpha	0.29	_	-0.03
Beta	1.07	_	1.00
R-Squared	94.98	_	89.84
Standard Deviation	5.02	4.56	4.83
Sharpe Ratio	-0.24	-0.31	-0.31
Tracking Error	1.17	_	1.50
Information Ratio	0.18	_	-0.13
Up Capture Ratio	114.97	_	104.20
Down Capture Ratio	109.33	_	104.27

# of Funds in Category

Portfolio Metrics			
	Fund	Bmark	Cat
Avg Eff Duration	6.58	4.43	6.22
Avg Eff Maturity	8.50	_	8.25



456

Ltd

Duration

Below B

Not Rated

# Baird Aggregate Bond Inst BAGIX

Baira Ag	gregate Bond inst	ΒA
Style Analysis as	of 06-30-2022	As
Style Breakdown Fixed Income	Quality High Mic	

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	58.90	3.53	45.64
AA	3.70	74.59	12.81
A	12.90	10.82	25.25
BBB	23.90	8.32	13.12
BB	0.60	0.28	1.45
В	0.00	0.00	0.60

0.00

0.00

0.00

2.46

0.30

0.84

Low



**Morningstar Category** 

Intermediate Core Bond

Morningstar Index

Bloomberg US Agg Bond TR USD

Sector Weighting as of 06-												
	Fund	Bmark	Cat	Fund	7	Benchm	ark 📙 C	ategory	Average			
Government	28.46	_	28.37									
Treasury	28.43	_	24.60									
Inflation – Protected	0.00	-	1.23									
Agency/Quasi Agency	0.03	_	1.12	i [								
Other Government Related	0.00	_	1.42	[								
Corporate	38.86	_	25.99									
Corporate Bond	34.88	_	24.69									
Bank Loan	0.00	_	0.05									
Convertible	3.98	_	1.20									
Preferred	0.00	_	0.05									
Securitized	28.13	_	33.69									
Agency MBS Pass-Through	16.70	_	22.49									
Agency MBS ARM	0.00	_	0.16									
Agency MBS CMO	2.92	_	4.05									
Non-Agency Residential MBS	0.39	_	0.27									
Commercial MBS	4.61	-	1.12									
Asset-Backed	3.51	-	5.60									
Covered Bond	0.00	_	0.00									
Municipal	1.08	_	0.75									
Cash & Equivalents	3.47	-	9.21									
Other	0.00	_	1.99	[								
				0%	5	10	15	20	25	30	35	40

<b>Top 10 Holdings</b> as of 06-30-2022				
Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
① 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	-
○ United States Treasury Notes 0.38%	07-2024	3.02	13.70	-
① 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	-
○ United States Treasury Notes 2%	11-2026	1.65	25.13	-
① United States Treasury Notes 1.25%	08-2031	1.60	26.73	_

⊕ Increase ⊕ Decrease 🕸 New to Portfolio

Total Holdings 1528



# Federated Hermes Govt Ultrashort IS FGUSX

# Morningstar Category Ultrashort Bond

# Morningstar Index

Bloomberg US Agg Bond TR USD

# Portfolio Manager(s)

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

## **Quantitative Screens**

× Performance: The fund has finished in the Ultrashort Bond category's top three quartiles in 5 of the 10 years it's been in existence.

Management: The fund's management has been in place for 24.99 years.

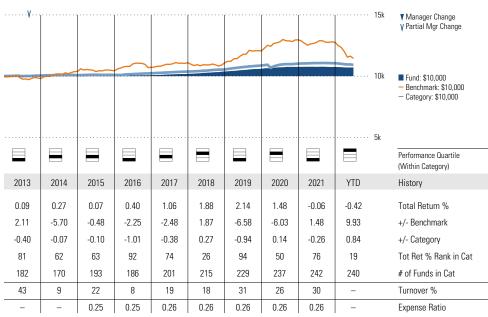
Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 0.26 is 44.68% lower than the Ultrashort Bond category average.

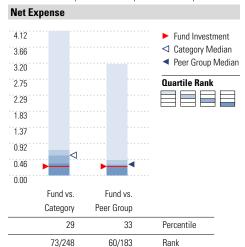
# **Morningstar Investment Management LLC Analysis**

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









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 Wietrics			
	Fund	Bmark	Cat
Alpha	0.73	_	0.61
Beta	0.07	_	0.15
R-Squared	34.30	_	18.16
Standard Deviation	0.55	4.56	1.87
Sharpe Ratio	0.19	-0.31	-0.06
Tracking Error	4.26	-	4.39
Information Ratio	0.38	-	0.32
Up Capture Ratio	14.01	-	25.90
Down Capture Ratio	1.35	-	14.87

Portfolio Metrics			
	Fund	Bmark	Cat
Avg Eff Duration	0.36	4.43	0.84
Avg Eff Maturity	2.55	-	2.01



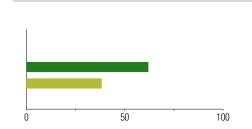
# Federated Hermes Govt Ultrashort IS FGUSX

Morningstar Category
Ultrashort Bond

Morningstar Index

Bloomberg US Agg Bond TR USD





Asset Allocation as of 06-30-2022

Total	100.00	100.00
Other	0.00	4.25
Cash	38.13	15.18
Bonds	61.87	80.56
Non-US Stocks	0.00	0.00
US Stocks	0.00	0.00
Asset Class	Net %	Cat%

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	100.00	3.53	25.22
AA	0.00	74.59	6.37
A	0.00	10.82	20.89
BBB	0.00	8.32	27.37
BB	0.00	0.28	3.05
В	0.00	0.00	3.23
Below B	0.00	0.00	0.50
Not Rated	0.00	2.46	13.37

Sample   S	
Description	
Description	
Description	
Protected	
Protected	
Protected	
n – Protected 0.00 − 0.03	
Description	
n – Protected 0.00 – 0.03 []  /Quasi Agency 9.01 – 1.26 []  overnment Related 0.00 – 5.93   []  te 0.00 – 38.81    tet Bond 0.00 – 34.21    an 0.00 – 0.49   []  ible 0.00 – 4.11   []  ad 0.00 – 0.00 []  zeed 47.52 – 25.58	1
n – Protected 0.00 – 0.03 []  /Quasi Agency 9.01 – 1.26  overnment Related 0.00 – 5.93   []  te 0.00 – 38.81    te Bond 0.00 – 34.21    an 0.00 – 0.49 []  ible 0.00 – 4.11   []  ad 0.00 – 0.00 []	
n – Protected 0.00 − 0.03	
n – Protected 0.00 – 0.03 []  /Quasi Agency 9.01 – 1.26   overnment Related 0.00 – 5.93   []  te 0.00 – 38.81    ote Bond 0.00 – 34.21    ote 0.00 – 0.49 []	
n – Protected 0.00 − 0.03 []  /Quasi Agency 9.01 − 1.26   overnment Related 0.00 − 5.93   []  te 0.00 − 38.81    te Bond 0.00 − 34.21	
7 n – Protected 0.00 – 0.03 [] 7/Quasi Agency 9.01 – 1.26 [] 7/Quasi Agency 0.00 – 5.93 [] 7/Quasi Agency 0.00 – 38.81 []	
n – Protected 0.00 – 0.03 [] /Quasi Agency 9.01 – 1.26 □ overnment Related 0.00 – 5.93 [	
n – Protected 0.00 – 0.03 [] /Quasi Agency 9.01 – 1.26 ■	
n – Protected 0.00 – 0.03	
'	
y 5.34 – 9.81	
nent 14.35 – 17.03	
Fund Bmark Cat Fund	▼ Benchmark

<b>Top 10 Holdings</b> as of 06-30-2022				
Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ Novasc Repo 1 Repo	04-2022	23.03	23.03	_
⊕ Bofam Repo 1 Repo	04-2022	12.06	35.09	_
⊕ Government National Mortgage Association 0.74857%	07-2050	6.50	41.59	_
Federal Home Loan Banks 0.4%	06-2024	4.40	45.99	_
→ Federal National Mortgage Association 0.95657%	08-2059	2.45	48.44	_
	09-2049	2.08	50.52	_
→ Federal National Mortgage Association 0.90657%	06-2050	2.04	52.55	_
→ Federal Home Loan Mortgage Corporation 0.90657%	01-2050	1.76	54.31	_
⊖ Government National Mortgage Association 2.26188%	03-2067	1.70	56.02	_
Government National Mortgage Association 0.82%	02-2065	1.68	57.70	_

Total Holdings 222



# 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 6.18 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.

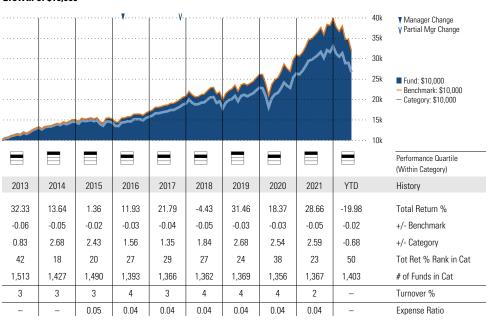
# **Morningstar Investment Management LLC Analysis**

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	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

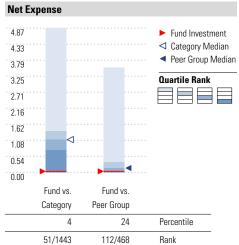
## Growth of \$10,000



### **Trailing Performance Total Return %** as of 06-30-2022 10 ■ Fund Benchmark 0 Category -5 -10 -15 Average annual, if greater than 1 year 3 Month 1 Year 10 year Since Inception 3 year 5 year Fund Return % -16.11 -10.66 10.56 11.27 12.92 6.90 10.67 -16.10 -10.62 10.60 11.31 12.96 Benchmark Return % -14 88 -11 58 914 9 77 11 63 Category Average % 62 38 22 20 12 % Rank in Category

1.119

819



1.369

1.236

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

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	-0.03	-	-1.37
Beta	1.00	-	0.96
R-Squared	100.00	-	94.93
Standard Deviation	18.64	18.64	18.43
Sharpe Ratio	0.60	0.60	0.50
Tracking Error	0.01	-	3.92
Information Ratio	-3.27	-	-1.04
Up Capture Ratio	99.94	-	93.13
Down Capture Ratio	100.06	-	98.50

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	18.45	18.44	18.70
Price/Book Ratio	3.53	3.53	4.24
Geom Avg Mkt Cap \$B	172.63	172.47	216.36
ROE	32.86	32.85	36.39



1.422



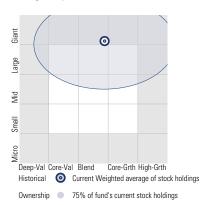
# of Funds in Category

# Vanguard 500 Index Admiral VFIAX

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

# Style Analysis as of 06-30-2022

Morningstar Style Box™



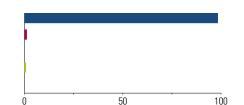
## Style Breakdown

Equity

. ,			
17	30	37	Large
4	9	3	Mid
0	0	0	Small
Value	Blend	Growth	

Weight %

>50 25-50 10-25 0-10



Asset Allocation as of 06-30-2022

Total	100.00	100.00
Other	0.00	1.10
Cash	0.66	0.58
Bonds	0.00	0.54
Non-US Stocks	1.05	2.84
US Stocks	98.29	94.94
Asset Class	Net %	Cat%

		Fund	Bmark	Cat	Fun	4	▼ Ben	chmark	l ra	tonon	Avera	an			
l.	Cyclical	28.43	28.47	29.31	Tulli		Dell	Cilliair	. [] 00	itegury	Avera	yc :			
_	•				7				- 1	1	<b>-</b> U:				
a.	Basic Materials	2.28	2.28	2.77			· ·								
4	Consumer Cyclical	10.31	10.31	10.12											
<b>P</b>	Financial Services	12.92	12.96	13.88				<b>"</b> []							
ŧ	Real Estate	2.92	2.92	2.54		1									
M	Sensitive	45.82	45.78	45.68											
	Communication Services	8.88	8.87	8.47			<b>■</b> []								
•	Energy	4.36	4.35	3.82		0									
<b>Ģ</b>	Industrials	8.31	8.31	9.95			<b>–</b> (								
1	Technology	24.27	24.25	23.44											
<b>→</b>	Defensive	25.76	25.74	25.01			_								
	Consumer Defensive	7.41	7.41	7.16											
1	Healthcare	15.24	15.23	15.20			- :-								
?	Utilities	3.11	3.10	2.65		<b>'</b>									
					0%	5	10	15	20	25	30	35	40	45	

### **Top 15 Holdings** as of 06-30-2022 YTD Return % Name % Net Asset Cumulative % Morningstar Sector Apple Inc 6.55 6.55 -22.75 Technology Microsoft Corp 5.98 12.53 -23.27 Technology Amazon.com Inc 2.90 15.43 -36.29 Consumer Cyclical Alphabet Inc Class A 2.04 17.47 -24.78 Communication Svc ① Alphabet Inc Class C -24.40 Communication Svc 1.88 19.35 ① Tesla Inc 1.76 21.11 -36.28 Consumer Cyclical Berkshire Hathaway Inc Class B 1.54 22.65 -8.69 Financial Services ① UnitedHealth Group Inc 1.50 24.15 2.91 Healthcare ① Johnson & Johnson 1.46 25.61 5.04 Healthcare ① NVIDIA Corp 1.18 26.79 -48.43 Technology Meta Platforms Inc Class A 1.15 27.94 -52.06 Communication Svc Exxon Mobil Corp 1.12 29.07 42.83 Energy + Procter & Gamble Co 1.07 30.14 -11.01 Consumer Defensive ① JPMorgan Chase & Co 1.03 31.17 -27.62 Financial Services ① Visa Inc Class A 1.00 32.18 -8.80 Financial Services

Total Holdings 506



# Vanguard LifeStrategy Cnsrv Gr Inv VSCGX

Morningstar Category Allocation--30% to 50% Morningstar Index

Equity

Morningstar US Mod Con Tgt Alloc NR USD

## Portfolio Manager(s)

Walter Nejman since 02-2022 William Coleman since 02-2022

### **Quantitative Screens**

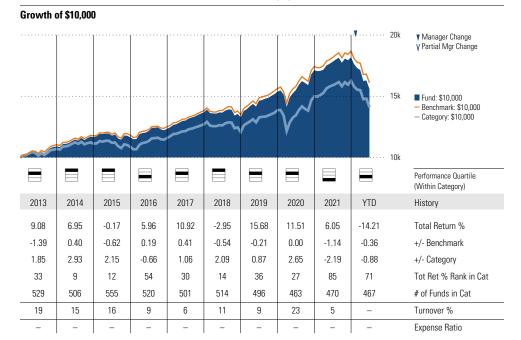
- Performance: The fund has finished in the Allocation--30% to 50% Equity category's top three quartiles in 9 of the 10 years it's been in existence.
- × *Management:* The fund's management team has been in place for less than three years.
- Net Expense: The fund's expense ratio of 0.12 is 87.23% lower than the Allocation--30% to 50% Equity category average.

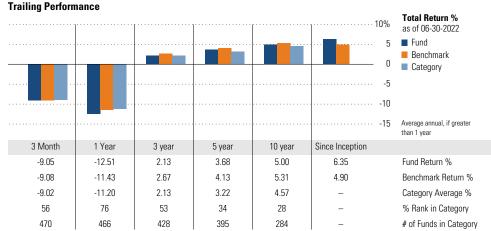
## **Morningstar Investment Management LLC Analysis**

Although this fund technically fails the manager tenure screen due to changes in how the portfolio management team is listed, in fact the same team that oversees the strategy remains in place.

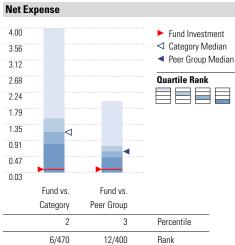
## **ESG Metrics**

Metric	Rating	Updated			
Sustainability Rating	3	05-31-2022			
ESG Commitment	1-Low	02-15-2022			





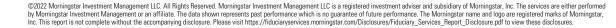
3-Year Risk Metrics



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

	Fund	Bmark	Cat
Alpha	-0.54	-	-0.68
Beta	1.00	-	1.07
R-Squared	99.27	-	92.10
Standard Deviation	8.58	8.51	9.55
Sharpe Ratio	0.22	0.28	0.21
Tracking Error	0.73	-	2.87
Information Ratio	-0.74	-	-0.18
Up Capture Ratio	97.50	_	102.51
Down Capture Ratio	102.21	-	108.73

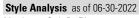
Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	14.30	15.72	15.48
Price/Book Ratio	2.14	2.48	2.55
Avg Eff Duration	7.08	6.45	4.51



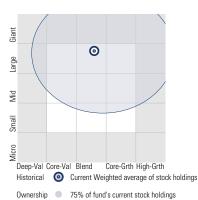


# Vanguard LifeStrategy Cnsrv Gr Inv VSCGX

Morningstar Category Allocation--30% to 50% **Morningstar Index** Morningstar US Mod Con Tgt Alloc NR

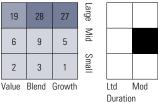


Morningstar Style Box™





Equity 19 5 6 9



Fixed Income

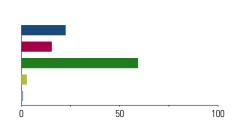
Quality

High

Mid

Low

>50 25-50 10-25 0-10



Asset Allocation as of 06-30-2022



		Fund	Bmark	Cat	Fund	ı b	<ul><li>Bench</li></ul>	nmark	Cateo	jory Ave	rage	_		
Ն	Cyclical	35.47	33.11	35.65										
ė.	Basic Materials	5.20	4.09	4.25										
<b>A</b>	Consumer Cyclical	10.67	10.56	9.26										
<del>,</del>	Financial Services	15.84	14.71	14.85										
<b>f</b>	Real Estate	3.76	3.75	7.29			0							_
M	Sensitive	42.40	42.81	40.03										_
ď	Communication Services	7.36	7.63	6.83			) [							
ð	Energy	5.28	4.80	5.47										
Ф	Industrials	10.77	10.28	9.81					į					
	Technology	18.99	20.10	17.92										
<b>→</b>	Defensive	22.13	24.09	24.31						ĺ				
=	Consumer Defensive	6.93	7.39	6.98			]							
٠	Healthcare	12.13	13.55	13.63			1							
•	Utilities	3.07	3.15	3.70		[								
					0%	5	10	15	20	25	30	35	40	_

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
∋ Vanguard Total Bond Market II ldx Inv	-	41.98	41.98	_	_
⇒ Vanguard Total Stock Mkt Idx Inv	_	22.64	64.63	_	_
Ovanguard Total Intl Bd Idx Investor	_	16.43	81.05	_	_
	_	15.64	96.69	_	_
⊕ Vanguard Total Intl Bd II ldx Investor	-	2.04	98.74	_	-
→ Mktliq 12/31/2049	_	1.25	99.99	_	_
Us Dollar	_	0.01	100.00	_	_

Total Holdings 7

# Vanguard LifeStrategy Growth Inv VASGX

Morningstar Category Allocation--70% to 85% Morningstar Index

Eauity

Morningstar US Mod Agg Tgt Alloc NR USD

## Portfolio Manager(s)

Walter Nejman since 02-2022 William Coleman since 02-2022

### **Quantitative Screens**

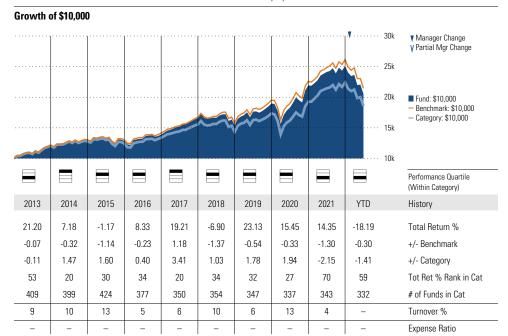
- Performance: The fund has finished in the Allocation-70% to 85% Equity category's top three quartiles in 10 of the 10 years it's been in existence.
- × *Management:* The fund's management team has been in place for less than three years.
- Net Expense: The fund's expense ratio of 0.14 is 86% lower than the Allocation--70% to 85% Equity category average.

## **Morningstar Investment Management LLC Analysis**

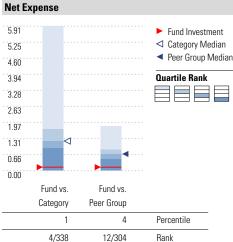
Although this fund technically fails the manager tenure screen due to changes in how the portfolio management team is listed, in fact the same team that oversees the strategy remains in place.

## **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022



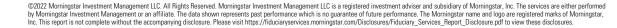




Peer group is a subset of the category and includes funds with the
same management style (active vs. passive) and similar share class
characteristics

	Fund	Bmark	Cat
Alpha	-0.72	_	-1.03
Beta	1.01	-	1.02
R-Squared	99.44	-	94.53
Standard Deviation	14.98	14.72	15.55
Sharpe Ratio	0.37	0.42	0.35
Tracking Error	1.15	-	3.59
Information Ratio	-0.61	-	-0.35
Up Capture Ratio	99.03	-	99.08
Down Capture Ratio	102.61	-	104.74

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	14.32	15.58	14.63
Price/Book Ratio	2.15	2.45	2.28
Avg Eff Duration	7.09	6.45	5.46





# Vanguard LifeStrategy Growth Inv VASGX

Morningstar Category Allocation--70% to 85% Morningstar Index

Morningstar US Mod Agg Tgt Alloc NR

# Style Analysis as of 06-30-2022

Morningstar Style Box™



# Asset Allocation as of 06-30-2022



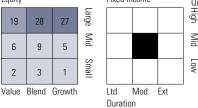
Total	100.00	100.00
Other	0.24	5.39
Cash	2.80	5.23
Bonds	20.04	16.93
Non-US Stocks	30.92	17.67
US Stocks	45.99	54.75
Asset Class	Net %	Cat%

# Style Breakdown

Equity

Weight %

>50 25-50 10-25 0-10



Quality High	
Mid	
Low	

Fixed	Income		Quality
			High
			Mid
			Low
Ltd	Mod	Ext	J

		Fund	Bmark	Cat	Fund	1	Bench	mark	Cate	orv Ave	rage		
<b>Ն</b>	Cyclical	35.44	33.34	35.30							- 95		
A.	Basic Materials	5.19	4.19	4.99		_							
<b>-</b>	Consumer Cyclical	10.67	10.61	10.39									
₽	Financial Services	15.82	14.82	15.91									
ŧ	Real Estate	3.76	3.72	4.01									
M	Sensitive	42.42	42.72	42.66									
	Communication Services	7.36	7.65	8.67			[]						
•	Energy	5.27	4.80	5.21									
<b>‡</b>	Industrials	10.76	10.27	10.53									
	Technology	19.03	20.00	18.25						- :			
<b>→</b>	Defensive	22.15	23.94	22.04			_			1			
Ę	Consumer Defensive	6.94	7.39	6.44			'						
1	Healthcare	12.14	13.41	12.62				0					
•	Utilities	3.07	3.14	2.98									
					0%	5	10	15	20	25	30	35	40

<b>Top 7 Holdings</b> as of 06-30-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Vanguard Total Stock Mkt Idx Inv	_	46.61	46.61	_	_
Vanguard Total Intl Stock Index Inv	-	31.67	78.28	_	-
─ Vanguard Total Bond Market II Idx Inv	-	14.13	92.41	_	-
○ Vanguard Total Intl Bd Idx Investor	_	5.31	97.71	_	-
─ Mktliq 12/31/2049	-	1.22	98.93	_	_
Vanguard Total Intl Bd II Idx Investor	_	1.05	99.98	_	_
─ Us Dollar	_	0.02	100.00	_	_

## Total Holdings 7



# Vanguard LifeStrategy Income Inv VASIX

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

Morningstar US Con Tgt Alloc NR USD

Expense Ratio

Equity

## Portfolio Manager(s)

Walter Nejman since 02-2022 William Coleman since 02-2022

### **Quantitative Screens**

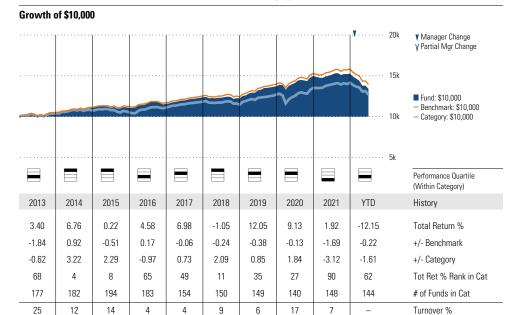
- Performance: The fund has finished in the Allocation--15% to 30% Equity category's top three quartiles in 8 of the 10 years it's been in existence.
- × *Management:* The fund's management team has been in place for less than three years.
- Net Expense: The fund's expense ratio of 0.11 is
   88.78% lower than the Allocation--15% to 30% Equity
   category average.

# **Morningstar Investment Management LLC Analysis**

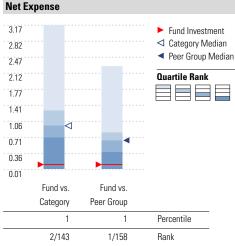
Although this fund technically fails the manager tenure screen due to changes in how the portfolio management team is listed, in fact the same team that oversees the strategy remains in place.

## **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
ESG Commitment	1-Low	02-15-2022



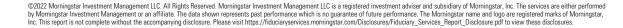




Peer group is a subset of the category and includes funds with the
same management style (active vs. passive) and similar share class
characteristics

	Fund	Bmark	Cat
Alpha	-0.69	-	-0.24
Beta	0.97	-	1.08
R-Squared	97.89	-	86.24
Standard Deviation	5.85	5.94	6.95
Sharpe Ratio	0.00	0.13	0.09
Tracking Error	0.86	-	2.73
Information Ratio	-0.84	-	-0.12
Up Capture Ratio	90.61	-	104.23
Down Capture Ratio	99.11	-	107.66

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	14.24	16.23	16.37
Price/Book Ratio	2.13	2.61	2.47
Avg Eff Duration	7.08	6.45	3.74





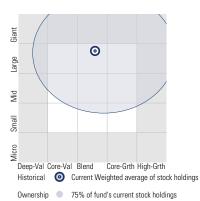
# Vanguard LifeStrategy Income Inv VASIX

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

Morningstar US Con Tgt Alloc NR USD

# Style Analysis as of 06-30-2022

Morningstar Style Box™



Mid

Fixed Income

Ltd

Mod Duration

# Style Breakdown

Equity 19 26 5 6 9



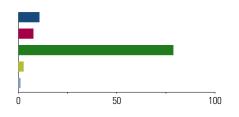
>50 25-50 10-25 0-10



Quality High

Mid

Low



Asset Allocation as of 06-30-2022

Total	100 00	100 00
Other	0.87	4.93
Cash	2.49	11.09
Bonds	78.67	69.52
Non-US Stocks	7.45	2.73
US Stocks	10.52	11.74
Asset Class	Net %	Cat%

		From 4	Dl.	0-4	E d	_	Danak	d.	П с-4-	A			
		Fund	Bmark	Cat	Fund		Bench	mark	[] Cate	gory Av	erage	, , ,	
<b>Ն</b>	Cyclical	35.56	32.21	33.31		,							
ů.	Basic Materials	5.25	3.73	3.30									
<b>A</b>	Consumer Cyclical	10.66	10.39	8.67									
÷	Financial Services	15.91	14.31	13.01									
t	Real Estate	3.74	3.78	8.33									_
M	Sensitive	42.31	43.12	41.77			_						)
	Communication Services	7.31	7.56	6.81			<b>'</b>						
0	Energy	5.30	4.77	7.02									
Ф	Industrials	10.83	10.34	9.98									
	Technology	18.87	20.45	17.96						1			
<b>→</b>	Defensive	22.11	24.66	24.92									
=	Consumer Defensive	6.98	7.42	6.54									
٠	Healthcare	12.06	14.12	12.25				,					
•	Utilities	3.07	3.12	6.13		' in							

Top 7 Holdings as of 06-30-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Solution State	_	55.92	55.92	_	_
→ Vanguard Total Intl Bd Idx Investor	-	22.65	78.56	_	_
⊕ Vanguard Total Stock Mkt Idx Inv	_	10.66	89.22	_	_
Ovanguard Total Intl Stock Index Inv	_	7.64	96.86	_	_
◆ Vanguard Total Intl Bd II Idx Investor	_	1.83	98.68	-	-
	-	1.27	99.95	-	_
⊕ Us Dollar	_	0.05	100.00	_	_

Total Holdings 7

# Vanguard LifeStrategy Moderate Gr Inv VSMGX

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

Fauity

Morningstar US Mod Tgt Alloc NR USD

## Portfolio Manager(s)

Walter Nejman since 02-2022 William Coleman since 02-2022

### **Quantitative Screens**

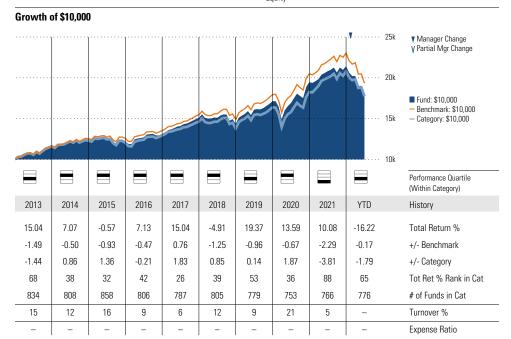
- Performance: The fund has finished in the Allocation--50% to 70% Equity category's top three quartiles in 9 of the 10 years it's been in existence.
- × *Management:* The fund's management team has been in place for less than three years.
- Net Expense: The fund's expense ratio of 0.13 is
   87.38% lower than the Allocation--50% to 70% Equity category average.
   The fund's expense ratio of 0.13 is
   The fund o

## **Morningstar Investment Management LLC Analysis**

Although this fund technically fails the manager tenure screen due to changes in how the portfolio management team is listed, in fact the same team that oversees the strategy remains in place.

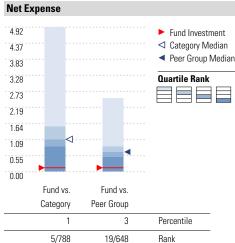
## **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022





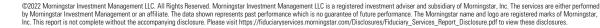
3-Year Risk Metrics



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	-1.00	_	-0.38
Beta	0.98	_	1.02
R-Squared	99.07	_	93.07
Standard Deviation	11.71	11.84	12.60
Sharpe Ratio	0.32	0.40	0.36
Tracking Error	1.15	_	3.26
Information Ratio	-0.97	_	-0.11
Up Capture Ratio	93.44	_	100.35
Down Capture Ratio	99.21	_	103.04

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	14.32	16.17	16.05
Price/Book Ratio	2.15	2.64	2.58
Avg Eff Duration	7.09	6.45	5.14

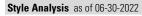




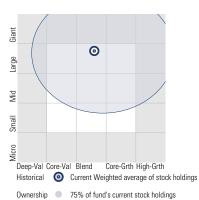
# Vanguard LifeStrategy Moderate Gr Inv VSMGX

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

Morningstar US Mod Tgt Alloc NR USD



Morningstar Style Box™



Asset Allocation as of 06-30-2022



# Style Breakdown

1	Equity				Fixed	Income		Quali
	19	28	27	Large				High
	6	9	5	Mid				Mid
	2	3	1	Small				Low
١	√alue	Blend	Growth		Ltd Durati	Mod on	Ext	_

ality		

>50 25-50 10-25 0-10

		Fund	Bmark	Cat	Fund	4 '	<ul> <li>Bench</li> </ul>	mark	Cate	ιοιν Δνε	rane			
,	Cyclical	35.45	32.32	32.64	Turk	1	Donor	imark	ll outo	jory	rugo			
	Basic Materials	5.18	3.72	4.17										
)	Consumer Cyclical	10.67	10.55	10.15			<b></b> 0							
	Financial Services	15.83	14.32	15.17		1								
	Real Estate	3.77	3.73	3.15		0								
	Sensitive	42.40	43.51	42.79										
	Communication Services	7.36	7.80	7.69			Ó							
	Energy	5.27	4.70	4.97			1							
	Industrials	10.75	9.91	10.40										
	Technology	19.02	21.10	19.73										
	Defensive	22.15	24.17	24.57						[]:				
	Consumer Defensive	6.94	7.24	6.93			]	_						
	Healthcare	12.14	13.82	14.43				0						
1	Utilities	3.07	3.11	3.21		ĺ								
					0%	5	10	15	20	25	30	35	40	45

50

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	_	34.68	34.68	_	_
Ovanguard Total Bond Market II ldx Inv	-	28.08	62.76	_	_
	-	23.61	86.37	_	_
Ovanguard Total Intl Bd Idx Investor	-	10.64	97.01	_	_
⊕ Vanguard Total Intl Bd II ldx Investor	-	1.74	98.75	-	-
⊕ Mktliq 12/31/2049	_	1.24	100.00	_	_
Us Dollar	_	0.00	100.00	_	_

## Total Holdings 7



# Vanguard Mid Cap Index Admiral VIMAX

### **Morningstar Category** Mid-Cap Blend

Morningstar Index

Russell Mid Cap TR USD

## Portfolio Manager(s)

Donald Butler since 05-1998 Awais Khan since 07-2021

## **Quantitative Screens**

Performance: The fund has finished in the Mid-Cap 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 24.13 years.

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

Net Expense: The fund's expense ratio of 0.05 is 94.68% lower than the Mid-Cap Blend category average.

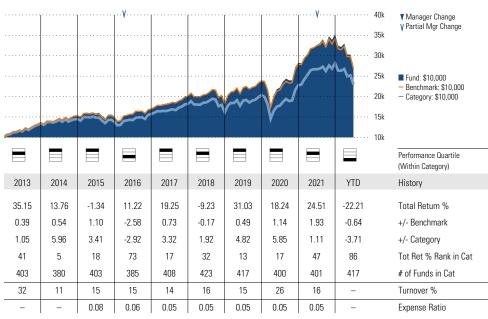
## **Morningstar Investment Management LLC Analysis**

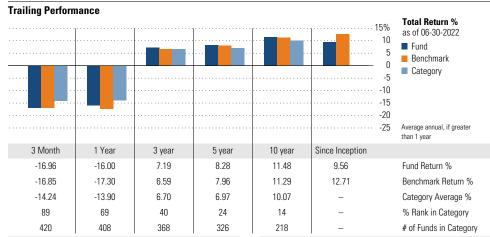
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

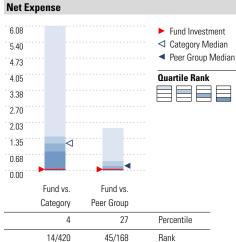
### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	4	05-31-2022
Carbon Risk Score	Medium Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

# Growth of \$10,000







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

3-1 cai nisk ivienics			
	Fund	Bmark	Cat
Alpha	0.64	_	0.35
Beta	0.98	_	0.97
R-Squared	99.55	_	93.64
Standard Deviation	21.25	21.66	21.71
Sharpe Ratio	0.41	0.38	0.38
Tracking Error	1.50	_	5.49
Information Ratio	0.40	_	-0.07
Up Capture Ratio	99.21	_	97.09
Down Capture Ratio	96.78	_	96.35

Portfolio Metrics								
	Fund	Bmark	Cat					
Price/Earnings Ratio	17.42	15.70	13.00					
Price/Book Ratio	2.72	2.55	2.30					
Geom Avg Mkt Cap \$B	21.17	16.08	9.35					
ROE	19.38	19.50	20.14					



# Vanguard Mid Cap Index Admiral VIMAX

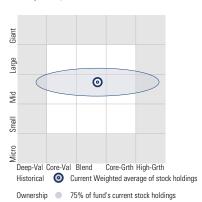
# Morningstar Category Mid-Cap Blend

Morningstar Index

Russell Mid Cap TR USD

# Style Analysis as of 06-30-2022

Morningstar Style Box™



# Style Breakdown

Equity

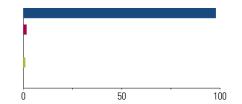
. ,			
3	8	5	Large
18	42	24	Mid
0	0	0	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10

# Asset Allocation as of 06-30-2022



Total	100.00	100.00
Other	0.00	0.42
Cash	0.79	1.87
Bonds	0.00	-0.07
Non-US Stocks	1.46	1.87
US Stocks	97.75	95.90
Asset Class	Net %	Cat%

	ctor Weighting as of 06-3		ь .	0 .	-		ь .		По.					
		Fund	Bmark	Cat	Fun	d '	Bench	mark	[] Categ	jory Ave	erage		,	
<u></u>	Cyclical	36.33	39.09	41.68										
A.	Basic Materials	4.82	4.86	5.60										
<b>A</b>	Consumer Cyclical	9.52	11.89	13.28			_ '							
<del>,</del>	Financial Services	11.67	13.27	14.60										
<b>fi</b>	Real Estate	10.32	9.07	8.20									į.	
W	Sensitive	40.05	40.16	39.39										
	Communication Services	4.49	4.34	2.93		()==								
ð	Energy	5.45	4.87	5.01		Ö								
Ф	Industrials	11.72	14.36	15.85										
	Technology	18.39	16.59	15.60					• <u>.</u>					
<b>→</b>	Defensive	23.63	20.76	18.94										
=	Consumer Defensive	4.45	4.16	4.31										
٠	Healthcare	12.30	10.67	10.82										
•	Utilities	6.88	5.93	3.81										
					0%	5	10	15	20	25	30	35	40	4

<b>Top 15 Holdings</b> as of 06-30-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Centene Corp	0.86	0.86	2.68	Healthcare
	0.81	1.67	-17.58	Technology
⊕ Cadence Design Systems Inc	0.72	2.39	-19.49	Technology
⊕ IQVIA Holdings Inc	0.72	3.11	-23.09	Healthcare
⊕ Realty Income Corp	0.72	3.83	-2.58	Real Estate
⊕ Corteva Inc	0.68	4.51	15.10	Basic Materials
⊕ Amphenol Corp Class A	0.67	5.18	-25.93	Technology
Welltower OP LLC	0.65	5.83	-2.57	Real Estate
⊕ Digital Realty Trust Inc	0.64	6.48	-25.22	Real Estate
⊕ Devon Energy Corp	0.63	7.11	30.26	Energy
⊕ Motorola Solutions Inc	0.61	7.72	-22.27	Technology
◆ SBA Communications Corp	0.60	8.33	-17.36	Real Estate
⊕ Arthur J. Gallagher & Co	0.60	8.92	-3.31	Financial Services
⊕ Consolidated Edison Inc	0.59	9.51	13.31	Utilities
→ Dollar Tree Inc	0.58	10.09	10.91	Consumer Defensive

Total Holdings 380



# Vanguard Small Cap Index Adm VSMAX

Morningstar Category

Small Blend

**Morningstar Index** Russell 2000 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 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 6.18 years.

× Style: The fund has landed in its primary style box — Small Blend — 57.14 % of the time over the past three years.

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

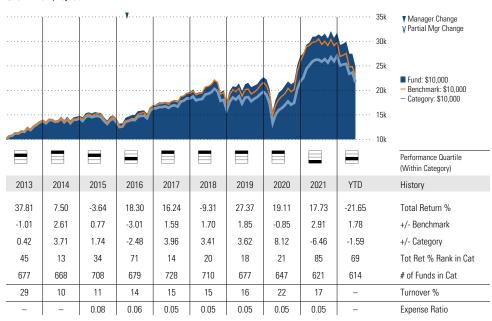
## **Morningstar Investment Management LLC Analysis**

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

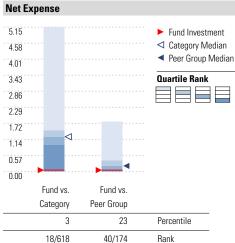
### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	4	05-31-2022
Carbon Risk Score	Medium Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

# Growth of \$10,000







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

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	1.30	_	1.37
Beta	0.95	_	0.95
R-Squared	97.29	_	93.43
Standard Deviation	23.28	24.26	23.91
Sharpe Ratio	0.32	0.27	0.32
Tracking Error	4.05	_	6.01
Information Ratio	0.29	_	0.06
Up Capture Ratio	96.51	_	98.16
Down Capture Ratio	92.36	_	94.40

Portfolio Metrics									
	Fund	Bmark	Cat						
Price/Earnings Ratio	12.56	11.79	12.28						
Price/Book Ratio	2.03	1.78	1.96						
Geom Avg Mkt Cap \$B	4.65	2.01	3.93						
ROE	14.54	8.51	18.29						



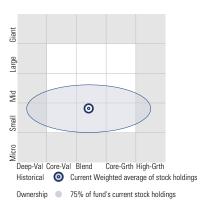
# Vanguard Small Cap Index Adm VSMAX

# Morningstar Category Small Blend

**Morningstar Index** Russell 2000 TR USD

# Style Analysis as of 06-30-2022

Morningstar Style Box™



# Style Breakdown

Equity

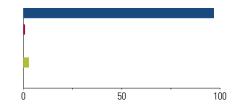
1. /			
0	0	0	Large
11	20	9	Mid
18	28	14	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10

# Asset Allocation as of 06-30-2022



Total	100.00	100.00
Other	0.00	0.14
Cash	2.59	1.30
Bonds	0.00	0.38
Non-US Stocks	0.64	1.88
US Stocks	96.77	96.29
Asset Class	Net %	Cat%

			Б	0 .			_		П				
		Fund	Bmark	Cat	Fund	, ,	Benc	hmark	[] Cate	egory Ave	erage		
b	Cyclical	40.13	37.93	39.37									
	Basic Materials	4.12	3.93	4.52									
4	Consumer Cyclical	11.40	9.52	11.07									
₽	Financial Services	14.48	15.68	16.26									
b	Real Estate	10.13	8.80	7.52									
NI	Sensitive	40.07	37.24	40.25									
	Communication Services	2.46	3.03	3.03									
•	Energy	5.03	5.40	5.57									
<b>Ģ</b>	Industrials	17.38	14.48	17.47									
3	Technology	15.20	14.33	14.18						<u>:</u>			
<b>→</b>	Defensive	19.80	24.82	20.37									
=	Consumer Defensive	4.25	4.36	4.27					_				
۲	Healthcare	12.08	16.88	13.42				I []	1				
?	Utilities	3.47	3.58	2.68		i i							

<b>Top 15 Holdings</b> as of 06-30-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
	1.79	1.79	_	_
⊕ Mktliq 12/31/2049	0.73	2.52	_	_
⊕ Quanta Services Inc	0.41	2.93	9.50	Industrials
Molina Healthcare Inc	0.37	3.30	-12.09	Healthcare
⊕ Atmos Energy Corp	0.36	3.66	8.29	Utilities
⊕ LPL Financial Holdings Inc	0.32	3.98	15.55	Financial Services
⊕ IDEX Corp	0.32	4.29	-22.66	Industrials
⊕ Bunge Ltd	0.31	4.61	-1.74	Consumer Defensive
⊕ Targa Resources Corp	0.31	4.92	15.56	Energy
⊕ Bio-Techne Corp	0.31	5.23	-32.87	Healthcare
⊕ Brown & Brown Inc	0.30	5.53	-16.70	Financial Services
⊕ Entegris Inc	0.29	5.81	-33.37	Technology
○ Carlisle Companies Inc	0.28	6.10	-3.40	Industrials
€ Liberty Formula One Group C	0.28	6.38	0.36	Communication Svc
	0.28	6.65	-18.22	Real Estate

# Total Holdings 1533



# 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 9.36 years.

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

Net Expense: The fund's expense ratio of 0.08 is 87.5% lower than the Target-Date 2020 category average.

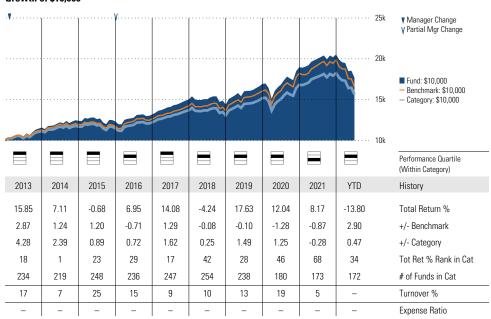
# **Morningstar Investment Management LLC Analysis**

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**

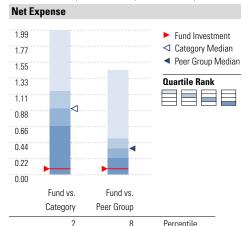
Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
ESG Commitment	1-Low	02-15-2022

# Growth of \$10,000



## **Trailing Performance**





	3/172	25/320	Rank
Peer group	is a subset of the	e category and	includes funds with the
same mana	agement style (ac	tive vs. passive	e) and similar share class
charactorio	tice		

Rank

3- Tear hisk Wellics			
	Fund	Bmark	Cat
Alpha	0.79	_	0.20
Beta	0.92	_	0.91
R-Squared	98.10	_	95.98
Standard Deviation	9.81	10.61	9.84
Sharpe Ratio	0.33	0.25	0.26
Tracking Error	1.62	_	2.31
Information Ratio	0.38	_	0.02
Up Capture Ratio	93.18	_	89.71
Down Capture Ratio	87.05	_	87.91

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	14.30	15.09	15.28
Price/Book Ratio	2.14	2.24	2.32
Avg Eff Duration	6.25	-	5.88



3/172

# Vanguard Target Retirement 2020 Fund VTWNX

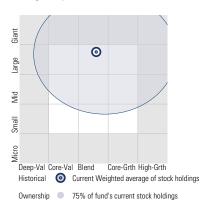
Quality High Mid

**Morningstar Category** Target-Date 2020

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

# Style Analysis as of 06-30-2022

Morningstar Style Box™





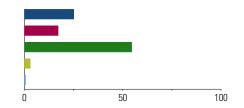
Equity				Fixed	Income	
19	28	27	Large			
6	9	5	Mid			
2	3	1	Small			
Value	Blend	Growth		Ltd	Mod	Ex

Duration

Weight %

>50 25-50 10-25 0-10

# Asset Allocation as of 06-30-2022



Total	100.00	100.00
Other	0.51	8.56
Cash	2.90	3.18
Bonds	54.49	47.75
Non-US Stocks	17.06	14.33
US Stocks	25.04	26.18
Asset Class	Net %	Cat%

Sec	ctor Weighting as of 06-3	30-2022			
		Fund	Bmark	Cat	Fund • Benchmark Category Average
<u></u>	Cyclical	35.46	39.05	36.45	
A.	Basic Materials	5.19	4.48	4.79	
Д	Consumer Cyclical	10.67	9.89	10.51	
ø	Financial Services	15.84	15.40	15.53	
fil.	Real Estate	3.76	9.28	5.62	
W	Sensitive	42.39	38.30	41.09	
	Communication Services	7.36	5.98	7.09	
ð	Energy	5.27	4.57	5.04	
Ф	Industrials	10.77	10.84	10.31	<b></b>
	Technology	18.99	16.91	18.65	
<b>-</b>	Defensive	22.13	22.64	22.44	
Ħ	Consumer Defensive	6.93	6.18	6.54	
+	Healthcare	12.13	13.13	12.78	
•	Utilities	3.07	3.33	3.12	
					0% 5 10 15 20 25 30 35 40 45

<b>Top 7 Holdings</b> as of 06-30-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
○ Vanguard Total Bond Market II Idx Inv	_	31.43	31.43	_	_
─ Vanguard Total Stock Mkt Idx Instl Pls	_	25.38	56.81	_	_
─ Vanguard Total Intl Stock Index Inv	_	17.48	74.28	_	_
─ Vanguard Total Intl Bd II Idx Insl	_	14.00	88.29	_	_
	-	10.59	98.88	_	_
	_	1.12	100.00	_	_
⊕ Us Dollar	_	0.00	100.00	_	_

# Total Holdings 7



# Vanguard Target Retirement 2025 Fund VTTVX

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

## Portfolio Manager(s)

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

## **Quantitative Screens**

Q 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 9.36 years.

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

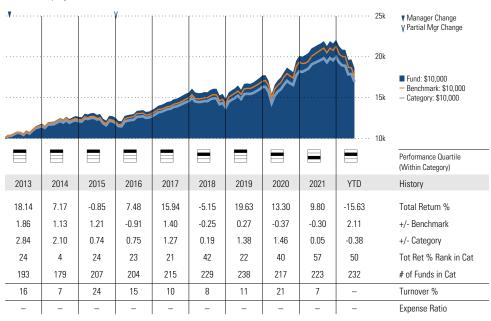
# **Morningstar Investment Management LLC Analysis**

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

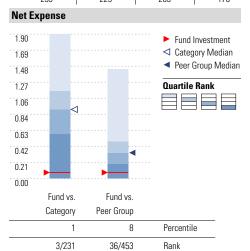
### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

# Growth of \$10,000



### **Trailing Performance Total Return %** as of 06-30-2022 Fund Benchmark Category -5 -10 Average annual, if greater than 1 year 3 Month 1 Year 10 year Since Inception 3 yea 5 year -10.72 -13.21 3.74 5.07 7.10 6.29 Fund Return % -12.56 -14.87 2.93 4.66 6.49 6.26 Benchmark Return % -10.35 6.38 -12 73 3 28 4.57 Category Average % 62 51 42 37 19 % Rank in Category 233 229 203 176 90 # of Funds in Category



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

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	0.85	_	0.45
Beta	0.97	_	0.92
R-Squared	98.54	_	96.81
Standard Deviation	11.54	11.75	11.00
Sharpe Ratio	0.32	0.25	0.28
Tracking Error	1.43	_	2.34
Information Ratio	0.57	_	0.18
Up Capture Ratio	100.67	_	93.67
Down Capture Ratio	95.10	_	90.72

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	14.31	14.95	15.35
Price/Book Ratio	2.15	2.21	2.34
Avg Eff Duration	6.77	-	6.65



# Vanguard Target Retirement 2025 Fund VTTVX

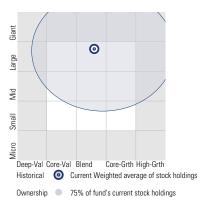
Quality High MidLow

Duration

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

# Style Analysis as of 06-30-2022

Morningstar Style Box™



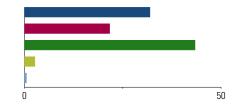
# Style Breakdown

Equity				Fixed	Income
19	28	27	Large		
6	9	5	Mid		
2	3	1	Small		
Value	Blend	Growth		Ltd	Mod

Value Blend Growth

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

# Asset Allocation as of 06-30-2022



Asset Class Net % Cat% US Stocks 31.90 30.47 Non-US Stocks 21.64 15.59 Bonds 43.37 37.86 Cash 2.62 3.44 Other 0.47 12.65 100.00 Total 100.00

Sec	ctor Weighting as of 06-	30-2022			
		Fund	Bmark	Cat	Fund Fenchmark Category Average
ሁ	Cyclical	35.44	38.95	35.78	
A.	Basic Materials	5.19	4.56	4.53	
A	Consumer Cyclical	10.67	9.96	10.58	
æ	Financial Services	15.82	15.52	15.26	
侖	Real Estate	3.76	8.91	5.41	
W	Sensitive	42.40	38.40	41.30	
d	Communication Services	7.36	6.00	7.19	, T
•	Energy	5.26	4.62	4.82	
Ф	Industrials	10.77	10.94	10.29	
	Technology	19.01	16.84	19.00	
<b>→</b>	Defensive	22.15	22.64	22.93	
Ħ	Consumer Defensive	6.95	6.22	6.71	
+	Healthcare	12.13	13.09	12.99	
•	Utilities	3.07	3.33	3.23	
					0% 5 10 15 20 25 30 35 40 4

<b>Top 7 Holdings</b> as of 06-30-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
O Vanguard Total Stock Mkt Idx Instl Pls	_	32.33	32.33	_	_
→ Vanguard Total Bond Market II Idx Inv	-	28.58	60.90	_	-
⊕ Vanguard Total Intl Stock Index Inv	-	22.17	83.07	_	-
→ Vanguard Total Intl Bd II Idx Insl	-	12.67	95.75	_	-
⊕ Vanguard Shrt-Term Infl-Prot Sec ldx Adm	_	3.15	98.89	-	-
	_	1.11	100.00	_	_
⊕ Us Dollar	_	0.00	100.01	_	-

# 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 9.36 years.

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

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

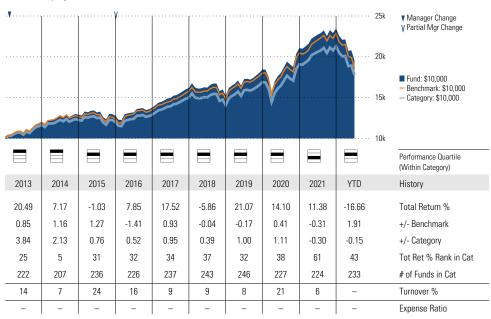
# **Morningstar Investment Management LLC Analysis**

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

### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-l ow	02-15-2022

# Growth of \$10,000



## **Trailing Performance**

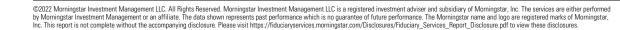


Net Exp	ense			
1.90				Fund Investment
1.69				Category Median
1.48				<ul> <li>Peer Group Median</li> </ul>
1.27				Quartile Rank
1.06				
0.84				
0.63				
0.42			₹	
0.21				
0.00		1		
	Fund vs.	Fun	d vs.	
	Category	Peer G	roup	
	1		8	Percentile

	3/232	30/387	Rank				
Peer group is a subset of the category and includes funds with the							
same management style (active vs. passive) and similar share class							
characterie	tice						

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	0.98	_	0.68
Beta	0.97	_	0.95
R-Squared	99.07	-	97.91
Standard Deviation	12.82	13.22	12.65
Sharpe Ratio	0.34	0.27	0.31
Tracking Error	1.32	_	2.12
Information Ratio	0.70	_	0.32
Up Capture Ratio	100.14	_	97.49
Down Capture Ratio	94.47	_	93.63

Fund	Bmark	Cat
14.31	14.80	15.36
2.15	2.19	2.38
7.08	_	6.64
	14.31 2.15	14.31 14.80 2.15 2.19





# Vanguard Target Retirement 2030 Fund VTHRX

**Morningstar Category** Target-Date 2030

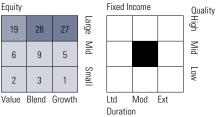
**Morningstar Index** Morningstar Lifetime Mod 2030 TR USD

# Style Analysis as of 06-30-2022

Morningstar Style Box™



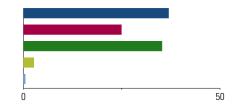
# Style Breakdown



Weight %

>50 25-50 10-25 0-10

# Asset Allocation as of 06-30-2022



Total	100.00	100.00
Other	0.41	13.77
Cash	2.59	2.28
Bonds	35.21	28.20
Non-US Stocks	24.89	18.18
US Stocks	36.89	37.57
Asset Class	Net %	Cat%

Sec	ctor Weighting as of 06-	30-2022											
		Fund	Bmark	Cat	Fund	▼ Bend	hmark	Cate	gory Ave	erage			
<u></u>	Cyclical	35.46	38.85	35.48									
A	Basic Materials	5.19	4.68	4.49									
A	Consumer Cyclical	10.67	10.07	10.57									
<b>P</b>	Financial Services	15.83	15.67	15.49									
<b>fi</b>	Real Estate	3.77	8.43	4.93		'							
W	Sensitive	42.40	38.49	41.87									)
d	Communication Services	7.35	6.01	7.15		_							
•	Energy	5.26	4.66	4.95									
Ф	Industrials	10.76	11.06	10.51									
	Technology	19.03	16.76	19.26									
<b>→</b>	Defensive	22.14	22.65	22.66					İ				
Ħ	Consumer Defensive	6.93	6.26	6.67									
٠	Healthcare	12.14	13.04	12.97			<b>.</b>						
	Utilities	3.07	3.35	3.02									
					0%	10	15	20	25	30	35	40	4

<b>Top 6 Holdings</b> as of 06-30-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx InstI PIs	_	37.38	37.38	_	_
◆ Vanguard Total Intl Stock Index Inv	-	25.49	62.88	_	_
→ Vanguard Total Bond Market II Idx Inv	_	24.97	87.85	_	_
→ Vanguard Total Intl Bd II Idx Insl	_	10.99	98.84	_	_
⊕ Mktliq 12/31/2049	-	1.17	100.00	-	_
⊕ Us Dollar	-	0.00	100.01	-	_

## Total Holdings 6



# Vanguard Target Retirement 2035 Fund VTTHX

**Morningstar Category** Target-Date 2035

Morningstar Index Morningstar Lifetime Mod 2035 TR USD

# Portfolio Manager(s)

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

### Quantitative Screens

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

Management: The fund's management has been in place for 9.36 years.

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

Net Expense: The fund's expense ratio of 0.08 is 88.41% lower than the Target-Date 2035 category average.

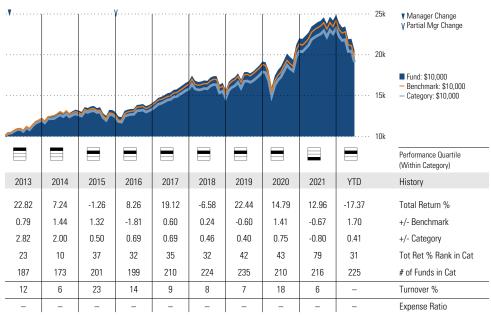
# **Morningstar Investment Management LLC Analysis**

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

### **ESG Metrics**

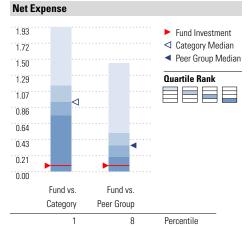
Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

# Growth of \$10,000



# **Trailing Performance**





35/448 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	1.12	_	0.86
Beta	0.94	_	0.96
R-Squared	99.34	_	98.36
Standard Deviation	14.06	14.88	14.37
Sharpe Ratio	0.36	0.29	0.34
Tracking Error	1.43	_	2.09
Information Ratio	0.70	_	0.44
Up Capture Ratio	97.53	_	98.73
Down Capture Ratio	91.71	_	94.43

Portfolio Metrics							
	Fund	Bmark	Cat				
Price/Earnings Ratio	14.31	14.66	15.28				
Price/Book Ratio	2.15	2.16	2.34				
Avg Eff Duration	7.08	_	6.63				

M RNINGSTAR



3/224

# **Vanguard Target Retirement 2035 Fund** VTTHX

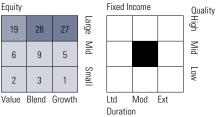
**Morningstar Index** Morningstar Lifetime Mod 2035 TR USD **Morningstar Category** Target-Date 2035

# Style Analysis as of 06-30-2022

Morningstar Style Box™



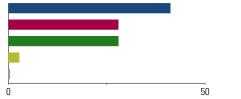
# Style Breakdown



Weight %

>50 25-50 10-25 0-10





Total	100.00	100.00
Other	0.33	12.14
Cash	2.69	2.45
Bonds	27.93	19.22
Non-US Stocks	27.91	22.72
US Stocks	41.15	43.47
Asset Class	Net %	Cat%

Sec	ctor Weighting as of 06-3	30-2022			
		Fund	Bmark	Cat	Fund • Benchmark Category Average
<u></u>	Cyclical	35.48	38.71	35.51	
A.	Basic Materials	5.20	4.78	4.56	
<b>A</b>	Consumer Cyclical	10.68	10.16	10.76	
ø	Financial Services	15.84	15.82	15.46	<b>[</b>
<b>fi</b>	Real Estate	3.76	7.95	4.73	, The state of the
W	Sensitive	42.38	38.60	41.66	
	Communication Services	7.35	6.02	7.24	· · · · · ·
ð	Energy	5.26	4.71	4.87	
Ф	Industrials	10.77	11.17	10.39	<u> </u>
	Technology	19.00	16.70	19.16	
<b>→</b>	Defensive	22.14	22.69	22.85	
=	Consumer Defensive	6.94	6.32	6.72	
+	Healthcare	12.13	13.01	12.99	
•	Utilities	3.07	3.36	3.14	
					0% 5 10 15 20 25 30 35 40 4

<b>Top 6 Holdings</b> as of 06-30-2022								
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector			
⊕ Vanguard Total Stock Mkt Idx InstI PIs	_	41.70	41.70	_	_			
◆ Vanguard Total Intl Stock Index Inv	-	28.59	70.28	_	-			
Ovanguard Total Bond Market II ldx Inv	_	19.78	90.06	_	_			
Ovanguard Total Intl Bd II Idx Insl	_	8.74	98.80	_	_			
⊕ Mktliq 12/31/2049	_	1.23	100.03	_	_			
⊕ Us Dollar	_	0.03	100.07	-	_			

## 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 9.36 years.

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

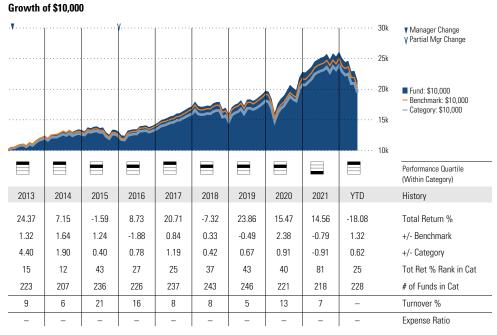
Net Expense: The fund's expense ratio of 0.08 is 88.57% lower than the Target-Date 2040 category average.

# **Morningstar Investment Management LLC Analysis**

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

### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022



## **Trailing Performance**



<b>Net Ex</b>	pense		
1.95			Fund Investment
1.73			Category Median
1.52			<ul> <li>Peer Group Median</li> </ul>
1.30			Quartile Rank
1.08			
0.87			
0.65			٠
0.43		·····	٠
0.22			
0.00			•
	Fund vs.	Fund vs.	
	Category	Peer Group	
	1	8	Percentile

	3/227	30/378	Rank				
Peer group is	a subset of the	category and in	cludes funds with the				
same management style (active vs. passive) and similar share class							
characteristic	CS.						

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	1.24	_	0.87
Beta	0.93	_	0.95
R-Squared	99.30	_	98.43
Standard Deviation	15.30	16.33	15.67
Sharpe Ratio	0.38	0.30	0.35
Tracking Error	1.68	_	2.18
Information Ratio	0.64	_	0.41
Up Capture Ratio	96.90	_	98.23
Down Capture Ratio	91.09	_	94.31

Portfolio Metrics						
	Fund	Bmark	Cat			
Price/Earnings Ratio	14.31	14.53	15.18			
Price/Book Ratio	2.15	2.13	2.31			
Avg Eff Duration	7.08	-	6.62			



# Vanguard Target Retirement 2040 Fund VFORX

**Morningstar Category** Target-Date 2040

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

# Style Analysis as of 06-30-2022

Morningstar Style Box™



# Style Breakdown

Equity 27 19 28 5 9 6





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



		Fund	Bmark	Cat	Fund ▼ Benchmark [] Category Average
b	Cyclical	35.47	38.67	35.86	
÷.	Basic Materials	5.20	4.88	4.57	
<b>-</b>	Consumer Cyclical	10.67	10.24	10.76	
<u></u>	Financial Services	15.83	15.94	15.48	<b>1</b>
b	Real Estate	3.77	7.61	5.05	
NF	Sensitive	42.39	38.66	41.45	
	Communication Services	7.35	6.03	7.17	
•	Energy	5.26	4.74	4.84	
<b>‡</b>	Industrials	10.77	11.27	10.45	0
1	Technology	19.01	16.62	18.99	
+	Defensive	22.13	22.68	22.69	
Ę	Consumer Defensive	6.94	6.36	6.63	
1	Healthcare	12.13	12.94	12.96	
2	Utilities	3.06	3.38	3.10	

<b>Top 6 Holdings</b> as of 06-30-2022								
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector			
Vanguard Total Stock Mkt Idx Instl Pls	_	46.15	46.15	_	_			
Vanguard Total Intl Stock Index Inv	_	31.60	77.75	_	-			
○ Vanguard Total Bond Market II Idx Inv	_	14.60	92.35	_	-			
○ Vanguard Total Intl Bd II Idx Insl	_	6.36	98.71	_	-			
① Mktliq 12/31/2049	-	1.29	100.00	-	-			
⊕ Us Dollar	-	0.00	100.01	-	-			

Total Holdings 6



# Vanguard Target Retirement 2045 Fund VTIVX

**Morningstar Category** Target-Date 2045

Morningstar Index Morningstar Lifetime Mod 2045 TR USD

## Portfolio Manager(s)

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

## **Quantitative Screens**

- Performance: The fund has finished in the Target-Date 2045 category's top three quartiles in 10 of the 10 years it's been in existence.
- Management: The fund's management has been in place for 9.36 years.
- Style: The fund has landed in its primary style box Large Blend — 100 % of the time over the past three years.
- Net Expense: The fund's expense ratio of 0.08 is 88.57% lower than the Target-Date 2045 category average.

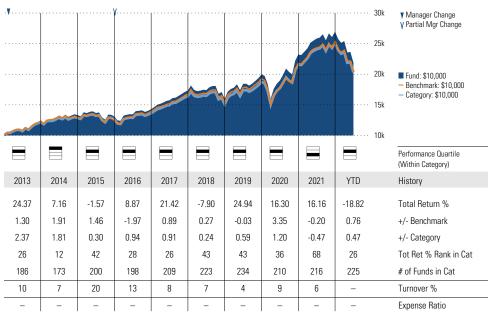
# **Morningstar Investment Management LLC Analysis**

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

### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

# Growth of \$10,000



## **Trailing Performance**

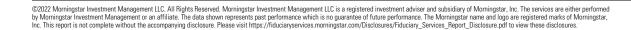


Net Ex	pense		
1.94			Fund Investment
1.72			Category Median
1.51			<ul> <li>Peer Group Median</li> </ul>
1.29			Quartile Rank
1.08			
0.86			
0.65			
0.43		·····	
0.22			
0.00			
	Fund vs.	Fund vs.	
	Category	Peer Group	
	1	8	Percentile

	3/224	35/447	Rank			
Peer group is a subset of the category and includes funds with the						
same mana	.gement style (ac	tive vs. passive)	and similar share class			
characterie	tice					

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	1.43	-	0.91
Beta	0.96	-	0.95
R-Squared	99.20	-	98.38
Standard Deviation	16.55	17.20	16.52
Sharpe Ratio	0.39	0.31	0.36
Tracking Error	1.65	-	2.24
Information Ratio	0.83	-	0.41
Up Capture Ratio	100.03	-	98.54
Down Capture Ratio	93.77	-	94.68

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	14.31	14.41	15.24
Price/Book Ratio	2.15	2.11	2.31
Avg Eff Duration	7.09	_	6.62





# Vanguard Target Retirement 2045 Fund VTIVX

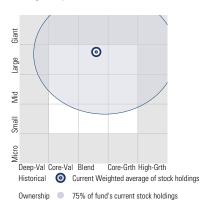
Quality High MidLow

**Morningstar Category** Target-Date 2045

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

# Style Analysis as of 06-30-2022

Morningstar Style Box™



Fixed Income

Mod

Duration

# Style Breakdown

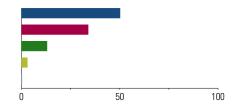
Equity

19	28	27	Large	
6	9	5	Mid	
2	3	1	Small	
Value	Blend	Growth		Ltd

Weight %

>50 25-50 10-25 0-10

# Asset Allocation as of 06-30-2022



Total	100.00	100.00
Other	0.17	10.33
Cash	2.95	2.03
Bonds	12.93	6.70
Non-US Stocks	33.86	28.49
US Stocks	50.09	52.43
Asset Class	Net %	Cat%

	ctor Weighting as of 06-3		Б	0 .	-				По					
		Fund	Bmark	Cat	Fund	d '	Bench	ımark	Categ	jory Ave	erage			
Դ	Cyclical	35.46	38.76	35.80										
A	Basic Materials	5.20	4.97	4.63		<b>—</b> [j								
A	Consumer Cyclical	10.67	10.30	10.88										
<del>,</del>	Financial Services	15.83	16.04	15.45			_							
<b>fi</b>	Real Estate	3.76	7.45	4.84			•							
W	Sensitive	42.40	38.63	41.23										
d	Communication Services	7.36	6.04	7.22		7	]							
ð	Energy	5.27	4.76	4.74										
Ф	Industrials	10.76	11.33	10.39										
	Technology	19.01	16.50	18.88										
<b>-</b>	Defensive	22.14	22.62	22.97										
Ħ	Consumer Defensive	6.94	6.40	6.63										
+	Healthcare	12.14	12.85	13.14		- 1	1	1						
•	Utilities	3.06	3.37	3.20		(								
					0%	5	10	15	20	25	30	35	40	4

<b>Top 6 Holdings</b> as of 06-30-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx InstI PIs	_	50.76	50.76	_	_
⊕ Vanguard Total Intl Stock Index Inv	-	34.68	85.44	-	_
→ Vanguard Total Bond Market II Idx Inv	-	9.15	94.58	_	_
→ Vanguard Total Intl Bd II Idx Insl	_	4.06	98.64	_	_
⊕ Mktliq 12/31/2049	-	1.35	99.99	-	_
⊖ Us Dollar	_	0.01	100.00	_	_

## Total Holdings 6



# Vanguard Target Retirement 2050 Fund VFIFX

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

Expense Ratio

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

## **Morningstar Investment Management LLC Analysis**

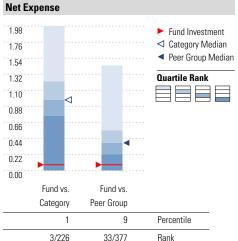
This fund passes all of Morningstar Investment
Management's quantitative screens. Morningstar
Investment Management has also assessed the fund from a
qualitative perspective and, as a fiduciary, is comfortable
recommending the fund's use in retirement plans.

### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

### Growth of \$10,000 ▼ Manager Change V Partial Mgr Change ■ Fund: \$10,000 - Benchmark: \$10,000 Category: \$10,000 15k 10k Performance Quartile (Within Category) 2013 2014 2015 2016 2017 2018 2019 2020 2021 YTD History 24.34 7.18 -1.58 8.85 21.39 -7.90 24.98 16.39 16.41 -19.06 Total Return % 2.18 -2.04 0.61 0.51 -0.11 3.48 -0.19 0.57 1.51 1.61 +/- Benchmark 0.72 -0.71 3.32 1.76 0.43 0.63 0.51 0.44 1.14 0.57 +/- Category 30 16 45 29 38 37 47 37 74 24 Tot Ret % Rank in Cat 207 196 233 243 218 # of Funds in Cat 225 218 246 220 227 9 7 18 12 6 7 3 9 5 Turnover %





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	1.43	_	0.88
Beta	0.95	_	0.95
R-Squared	99.12	_	98.30
Standard Deviation	16.64	17.52	16.86
Sharpe Ratio	0.39	0.31	0.36
Tracking Error	1.83	_	2.26
Information Ratio	0.72	_	0.36
Up Capture Ratio	99.07	_	98.79
Down Capture Ratio	92.95	-	95.18

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	14.31	14.31	15.22
Price/Book Ratio	2.15	2.09	2.30
Avg Eff Duration	7.09	-	6.60



# Vanguard Target Retirement 2050 Fund VFIFX

Quality

High

Mid

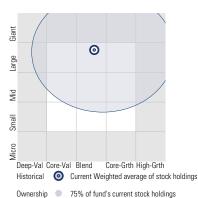
Low

## **Morningstar Category** Target-Date 2050

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

# Style Analysis as of 06-30-2022

Morningstar Style Box™



Fixed Income

Ltd

Mod Duration

Equity 27 19 28 5 9 6

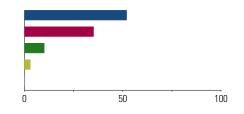
Style Breakdown

Large Mid2 3 1

Value Blend Growth

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

# Asset Allocation as of 06-30-2022



Asset Class Net % Cat% US Stocks 51.91 54.81 Non-US Stocks 35.09 29.45 Bonds 9.97 4.74 Cash 2.89 1.94 Other 0.14 9.06 100.00 Total 100.00

	<b>.</b>		Б .	0 .	-				По.					
		Fund	Bmark	Cat	Fund	d '	Bench	ımark	Categ	jory Ave	rage			
ŀ	Cyclical	35.45	38.94	36.04										
A.	Basic Materials	5.19	5.05	4.60										
<b>A</b>	Consumer Cyclical	10.67	10.35	10.86				_						
<u></u>	Financial Services	15.83	16.10	15.46				0						
<b>fi</b>	Real Estate	3.76	7.44	5.12			•							
M	Sensitive	42.41	38.54	41.13										
	Communication Services	7.35	6.02	7.17			]							
•	Energy	5.27	4.78	4.71										
<b>Ģ</b>	Industrials	10.77	11.37	10.42			<b></b> )							
	Technology	19.02	16.37	18.83				•						
<b>→</b>	Defensive	22.15	22.52	22.84										
	Consumer Defensive	6.94	6.42	6.58										
٠	Healthcare	12.14	12.74	13.10										
•	Utilities	3.07	3.36	3.16		(								
					0%	5	10	15	20	25	30	35	40	45

<b>Top 6 Holdings</b> as of 06-30-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx InstI PIs	_	52.61	52.61	_	_
◆ Vanguard Total Intl Stock Index Inv	_	35.94	88.55	_	_
⇒ Vanguard Total Bond Market II Idx Inv	_	7.00	95.55	_	_
→ Vanguard Total Intl Bd II Idx Insl	_	3.18	98.73	_	_
⊕ Mktliq 12/31/2049	-	1.26	99.99	-	-
⊖ Us Dollar	_	0.01	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 9.36 years.

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

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

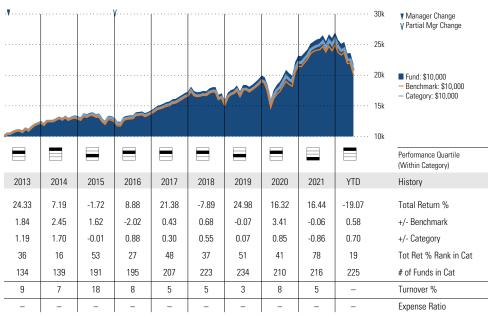
# **Morningstar Investment Management LLC Analysis**

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

### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

# Growth of \$10,000



# **Trailing Performance**



Net Exp	ense		
1.96			Fund Investment
1.74			<ul><li>✓ Category Median</li><li>✓ Peer Group Median</li></ul>
1.52			Quartile Rank
1.09			
0.87			
0.65			
0.44		·····	
0.22			
0.00			
	Fund vs.	Fund vs.	
	Category	Peer Group	
	1	8	Percentile

3/224	35/446	Rank					
Peer group is a subset of the category and includes funds with the							
same management style (active vs. passive) and similar share class							
characteristics							

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	1.46	_	0.97
Beta	0.94	_	0.96
R-Squared	99.07	_	98.23
Standard Deviation	16.65	17.60	17.00
Sharpe Ratio	0.39	0.31	0.36
Tracking Error	1.91	_	2.29
Information Ratio	0.70	_	0.41
Up Capture Ratio	98.79	_	99.50
Down Capture Ratio	92.55	-	95.53

Portfolio Metrics								
	Fund	Bmark	Cat					
Price/Earnings Ratio	14.32	14.22	14.97					
Price/Book Ratio	2.15	2.07	2.26					
Avg Eff Duration	7.09	_	6.65					



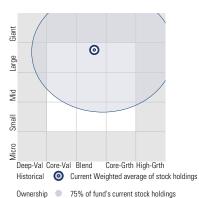
# **Vanguard Target Retirement 2055 Fund** VFFVX

## **Morningstar Category** Target-Date 2055

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

# Style Analysis as of 06-30-2022

Morningstar Style Box™



Equity 19 28



Value Blend Growth Weight %

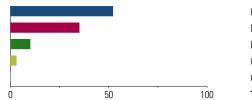
>50 25-50 10-25 0-10



# Style Breakdown



Asset Allocation as of 06-30-2022



Total	100.00	100.00
Other	0.14	7.53
Cash	2.92	1.60
Bonds	9.94	4.47
Non-US Stocks	34.94	32.10
US Stocks	52.06	54.30
Asset Class	Net %	Cat%

Sec	ctor Weighting as of 06-3	30-2022			
		Fund	Bmark	Cat	Fund Benchmark Category Average
<b>Դ</b>	Cyclical	35.44	39.20	36.34	
æ.	Basic Materials	5.18	5.13	4.79	
A	Consumer Cyclical	10.68	10.38	10.72	
<b>P</b>	Financial Services	15.82	16.16	15.60	
<b>fi</b>	Real Estate	3.76	7.53	5.23	
W	Sensitive	42.42	38.41	41.14	
	Communication Services	7.36	6.01	7.21	
•	Energy	5.26	4.79	4.96	
Ф	Industrials	10.76	11.40	10.35	
	Technology	19.04	16.21	18.62	
<b>→</b>	Defensive	22.16	22.40	22.53	
Ħ	Consumer Defensive	6.94	6.43	6.73	
٠	Healthcare	12.15	12.61	12.77	
•	Utilities	3.07	3.36	3.03	
					0% 5 10 15 20 25 30 35 40 45

<b>Top 6 Holdings</b> as of 06-30-2022								
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector			
⊕ Vanguard Total Stock Mkt Idx InstI PIs	-	52.76	52.76	_	_			
◆ Vanguard Total Intl Stock Index Inv	-	35.79	88.54	_	_			
Ovanguard Total Bond Market II Idx Inv	_	6.99	95.53	_	_			
Ovanguard Total Intl Bd II Idx Insl	_	3.16	98.70	_	_			
⊕ Mktliq 12/31/2049	_	1.28	99.97	-	_			
⊕ Us Dollar	_	0.03	100.00	_	_			

## Total Holdings 6



# Vanguard Target Retirement 2060 Fund VTTSX

## Morningstar Category Target-Date 2060

## Morningstar Index

Morningstar Mod Tgt Risk TR USD

# Portfolio Manager(s)

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

### Quantitative Screens

- Performance: The fund has finished in the Target-Date 2060 category's top three quartiles in 8 of the 9 years it's been in existence.
- Management: The fund's management has been in place for 9.36 years.
- Net Expense: The fund's expense ratio of 0.08 is 88.73% lower than the Target-Date 2060 category average.

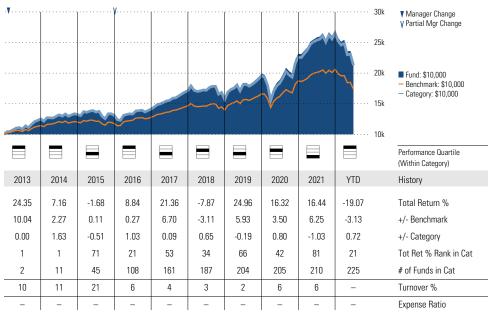
## **Morningstar Investment Management LLC Analysis**

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.

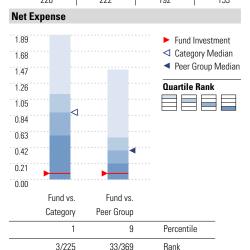
### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

# Growth of \$10,000







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

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	1.30	_	0.77
Beta	1.39	_	1.43
R-Squared	98.81	_	97.82
Standard Deviation	16.62	11.88	17.14
Sharpe Ratio	0.39	0.30	0.36
Tracking Error	4.98	_	5.69
Information Ratio	0.47	_	0.33
Up Capture Ratio	145.95	_	148.03
Down Capture Ratio	139.35	_	145.16

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	14.32	14.03	15.26
Price/Book Ratio	2.15	2.04	2.33
Avg Eff Duration	7.09	_	6.56



# Vanguard Target Retirement 2060 Fund VTTSX

Quality

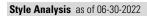
High

Mid

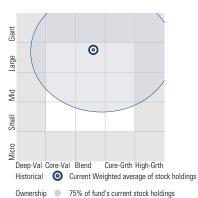
Low

### **Morningstar Category Morningstar Index** Target-Date 2060

Morningstar Mod Tgt Risk TR USD



Morningstar Style Box™



Fixed Income

Ltd

Mod Duration

# Style Breakdown

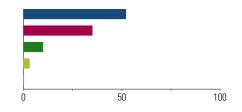
Equity 19 28



Value Blend Growth

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

# Asset Allocation as of 06-30-2022



Total	100 00	100 00
Other	0.14	5.28
Cash	3.02	2.12
Bonds	9.86	4.46
Non-US Stocks	34.96	32.28
US Stocks	52.02	55.87
Asset Class	Net %	Cat%

Sec	ctor Weighting as of 06-	30-2022			
		Fund	Bmark	Cat	Fund • Benchmark [] Category Average
<u></u>	Cyclical	35.44	39.08	35.78	
A	Basic Materials	5.19	5.09	4.82	
A	Consumer Cyclical	10.67	10.08	10.98	
<del>,</del>	Financial Services	15.82	16.47	15.28	)
<b>fi</b>	Real Estate	3.76	7.44	4.70	
W	Sensitive	42.42	38.13	41.37	<u></u>
	Communication Services	7.36	6.23	7.38	
•	Energy	5.26	4.89	4.79	
Ф	Industrials	10.76	10.93	10.34	
	Technology	19.04	16.08	18.86	
<b>→</b>	Defensive	22.15	22.78	22.84	
Ħ	Consumer Defensive	6.94	6.60	6.61	
+	Healthcare	12.14	12.46	13.21	
•	Utilities	3.07	3.72	3.02	<b>'</b>
					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	_	52.72	52.72	_	_
⊕ Vanguard Total Intl Stock Index Inv	-	35.81	88.53	_	_
→ Vanguard Total Bond Market II Idx Inv	_	6.95	95.48	_	_
─ Vanguard Total Intl Bd II Idx Insl	_	3.12	98.59	_	_
⊕ Mktliq 12/31/2049	-	1.40	99.99	-	-
⊕ Us Dollar	_	0.01	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 2 of the 4 years it's been in existence.
- Management: The fund's management has been in place for 4.97 years.
- Style: The fund has landed in its primary style box Large Blend — 100 % of the time over the past three years.
- Net Expense: The fund's expense ratio of 0.08 is 88.57% lower than the Target-Date 2065+ category average.

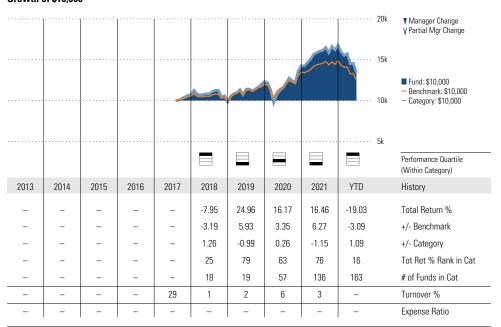
# **Morningstar Investment Management LLC Analysis**

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.

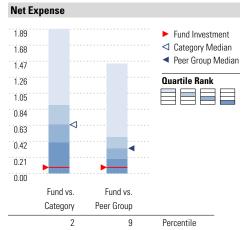
# **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

# Growth of \$10,000





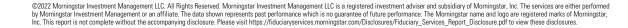


24/275 Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

Rank

3- Fear nisk Wietrics			
	Fund	Bmark	Cat
Alpha	1.26	_	0.78
Beta	1.39	_	1.45
R-Squared	98.80	_	98.09
Standard Deviation	16.64	11.88	17.37
Sharpe Ratio	0.39	0.30	0.36
Tracking Error	5.00	_	5.84
Information Ratio	0.46	-	0.34
Up Capture Ratio	145.96	_	149.86
Down Capture Ratio	139.60	-	146.89

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	14.32	14.03	14.72
Price/Book Ratio	2.15	2.04	2.24
Avg Eff Duration	7.10	_	6.54



3/164

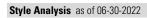


# Vanguard Target Retirement 2065 Fund VLXVX

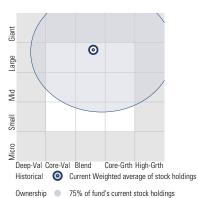
Quality High MidLow

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

Morningstar Mod Tgt Risk TR USD



Morningstar Style Box™

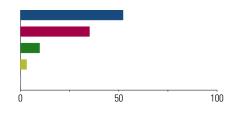


# Style Breakdown

Equity				Fixed	Income
19	28	27	Large		
6	9	5	Mid		
2	3	1	Small		
Value	Blend	Growth		Ltd	Mod

Duration

Weight % >50 25-50 10-25 0-10 Asset Allocation as of 06-30-2022



Total	100 00	100 00
Other	0.14	5.11
Cash	3.04	2.42
Bonds	9.65	6.86
Non-US Stocks	35.06	32.58
US Stocks	52.13	53.04
Asset Class	Net %	Cat%

Sec	ctor Weighting as of 06-	30-2022												
		Fund	Bmark	Cat	Fund	i '	Bench	mark	Cate	gory Ave	erage			
<u></u>	Cyclical	35.44	39.08	35.59									1	
A	Basic Materials	5.19	5.09	5.01			1							
A	Consumer Cyclical	10.67	10.08	10.77										
Ę	Financial Services	15.82	16.47	15.50										
命	Real Estate	3.76	7.44	4.31		<b>[</b> ]	<b>'</b>							
W	Sensitive	42.41	38.13	42.05										)
d	Communication Services	7.36	6.23	7.38										
•	Energy	5.26	4.89	5.09										
Ф	Industrials	10.76	10.93	10.54										
	Technology	19.03	16.08	19.04				- 1						
<b>→</b>	Defensive	22.15	22.78	22.35						]				
Ħ	Consumer Defensive	6.94	6.60	6.85				_						
٠	Healthcare	12.15	12.46	12.57				j						
•	Utilities	3.06	3.72	2.93		]								
					0%	5	10	15	20	25	30	35	40	-

<b>Top 6 Holdings</b> as of 06-30-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx InstI PIs	_	52.82	52.82	_	_
⊕ Vanguard Total Intl Stock Index Inv	-	35.91	88.73	_	_
─ Vanguard Total Bond Market II Idx Inv	-	6.69	95.42	_	_
⊕ Vanguard Total Intl Bd II Idx Insl	-	3.16	98.58	_	_
	-	1.38	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 9.36 years.

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

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

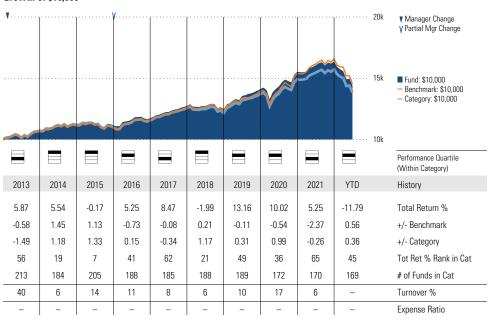
## **Morningstar Investment Management LLC Analysis**

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**

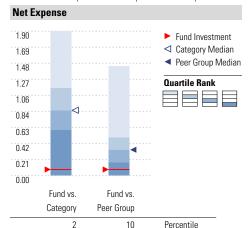
Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
ESG Commitment	1-Low	02-15-2022

# Growth of \$10,000



## **Trailing Performance**



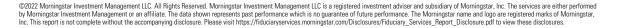


	3/168	38/380	Rank
Peer group	is a subset of the	category and in	ncludes funds with the
same mana	gement style (ac	tive vs. passive)	and similar share class
charactorie	tice		

Rank

3-Year Risk Metrics						
	Fund	Bmark	Cat			
Alpha	-0.30	_	-0.98			
Beta	0.85	_	0.93			
R-Squared	97.30	_	94.49			
Standard Deviation	6.89	8.01	7.64			
Sharpe Ratio	0.25	0.31	0.16			
Tracking Error	1.66	_	2.22			
Information Ratio	-0.42	_	-0.54			
Up Capture Ratio	82.60	_	85.92			
Down Capture Ratio	85.16	_	94.75			

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	14.29	15.43	15.02
Price/Book Ratio	2.14	2.31	2.23
Avg Eff Duration	6.01	-	6.65





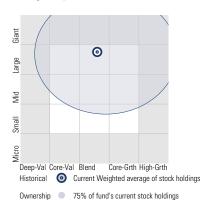
# **Vanguard Target Retirement Income Fund** VTINX

Quality High

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

# Style Analysis as of 06-30-2022

Morningstar Style Box™



## Style Breakdown

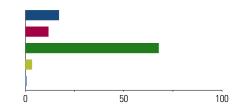
Equity				Fixed	Income
19	28	27	Large		
6	9	5	Mid		
2	3	1	Small		
Value	Blend	Growth		Ltd	Mod

MidLow Mod Duration

Weight %

>50 25-50 10-25 0-10

# Asset Allocation as of 06-30-2022



Total	100.00	100.00
Other	0.58	19.09
Cash	3.21	5.48
Bonds	67.68	46.10
Non-US Stocks	11.58	9.96
US Stocks	16.94	19.37
Asset Class	Net %	Cat%

		Fund	Bmark	Cat	Fund • Benchmark [ Category Average	
وا	Cyclical	35.49	38.93	37.71		
ì.	Basic Materials	5.21	4.23	4.30		
•	Consumer Cyclical	10.66	9.72	10.14		
<u></u>	Financial Services	15.86	15.15	14.78	<u> </u>	
à	Real Estate	3.76	9.83	8.49		
ŲF	Sensitive	42.38	38.35	40.02		
	Communication Services	7.35	6.01	6.98		
	Energy	5.28	4.48	4.71	<b>—</b>	
Þ	Industrials	10.76	10.61	9.87	<b>□</b>	
1	Technology	18.99	17.25	18.46		
+	Defensive	22.13	22.74	22.28		
Ţ	Consumer Defensive	6.93	6.09	6.77		
ř	Healthcare	12.14	13.34	12.31		
1	Utilities	3.06	3.31	3.20		

<b>Top 7 Holdings</b> as of 06-30-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Bond Market II Idx Inv	_	36.70	36.70	_	_
⊕ Vanguard Total Stock Mkt Idx Instl Pls	_	17.16	53.86	_	-
	_	16.93	70.80	_	-
⊕ Vanguard Total Intl Bd II Idx Insl	-	16.09	86.88	_	_
⊕ Vanguard Total Intl Stock Index Inv	-	11.87	98.75	_	_
⊕ Mktliq 12/31/2049	_	1.35	100.10	_	_
⊕ Us Dollar	_	0.10	100.20	_	-

# Total Holdings 7