# **Baird Aggregate Bond Inst** BAGIX

#### Morningstar Category Intermediate Core Bond

Morningstar Index

Bloomberg US Agg Bond TR USD

### Portfolio Manager(s)

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

### **Quantitative Screens**

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

Management: The fund's management has been in place for 22.02 years.

Style Consistency is not calculated for Fixed Income funds.

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

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

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

#### **ESG Metrics**

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

### Growth of \$10,000



#### **Trailing Performance Total Return %** as of 09-30-2022 Fund Benchmark Category -5 Average annual, if greater than 1 year 3 Month 1 Year 3 year 10 year Since Inception 5 year Fund Return % -4.66 -15.26 -3.07 -0.09 1.36 4.20 -4.75 -14.60 -3.26 -0.27 0.89 6.63 Benchmark Return % -4 64 -3 22 0.77 -14 86 -0.40 Category Average % 46 64 33 24 10 % Rank in Category 470 448 404 366 272 # of Funds in Category



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

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



Duration

# **Baird Aggregate Bond Inst** BAGIX

# BAGIX Asset Allocation as of 09-30-2022

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





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

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

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

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

Total Holdings 1528



### **DFA US Core Equity 1 I** DFEOX

Morningstar Category
Large Blend

Morningstar Index S&P 500 TR USD

Expense Ratio

### Portfolio Manager(s)

Jed Fogdall since 02-2012 John Hertzer since 02-2022 Mary Phillips since 02-2022

### **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 10.59 years.

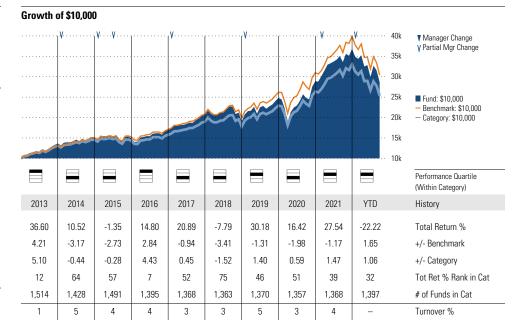
Net Expense: The fund's expense ratio of 0.14 is 82.5% lower than the Large Blend category average.

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

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

#### **ESG Metrics**

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

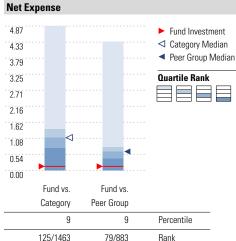




0.20

0.18

0.15



0.19

0.19

0.19

0.19

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	-0.24	_	-1.32
Beta	1.04	_	0.96
R-Squared	97.42	_	95.48
Standard Deviation	21.30	20.30	19.87
Sharpe Ratio	0.44	0.45	0.37
Tracking Error	3.50	_	4.01
Information Ratio	-0.03	_	-0.98
Up Capture Ratio	100.97	_	92.89
Down Capture Ratio	101.65	_	97.59

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	15.44	17.98	18.23
Price/Book Ratio	2.97	3.38	3.60
Geom Avg Mkt Cap \$B	63.03	164.20	210.33
ROE	29.97	31.94	32.91





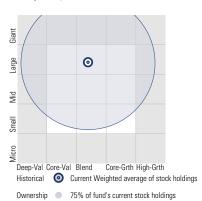
# **DFA US Core Equity 1 I** DFEOX

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

Morningstar Category Morningstar Index

☐ Large Blend S&P 500 TR USD

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





#### Sector Weighting as of 09-30-2022 Fund Bmark Cat Fund Cyclical 30.80 29.69 29.07 æ. Basic Materials 3.77 2.24 2.66 Consumer Cyclical 11.51 11.44 10.23 **.** Financial Services 15.25 13.64 13 11 侖 Real Estate 0.27 2.90 2.54 Sensitive 46.95 44.73 45.16 **Communication Services** 7.17 8.07 7.92 • Energy 6.34 4.55 4.06 Ф Industrials 12.25 8.32 10.09 Technology 21.19 23.79 23.09 22.24 25.58 Defensive 25.75 Consumer Defensive 7.27 7.33 7.35 Healthcare 12.12 15.18 15.61 Utilities 2.85 3.07 2.79 10 15 20 25 30 45

### Style Breakdown

Equity

16	21	23	Large
8	13	4	Mid
6	8	2	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
				3
Apple Inc	5.13	5.13	-21.79	Technology
Microsoft Corp	3.78	8.91	-30.20	Technology
Amazon.com Inc	2.11	11.02	-32.22	Consumer Cyclical
Alphabet Inc Class A	1.21	12.23	-33.97	Communication Svc
Alphabet Inc Class C	1.13	13.36	-33.54	Communication Svc
⊕ Exxon Mobil Corp	1.06	14.42	47.00	Energy
⊕ Tesla Inc	0.93	15.35	-24.70	Consumer Cyclical
Berkshire Hathaway Inc Class B	0.93	16.29	-10.70	Financial Services
⊕ Meta Platforms Inc Class A	0.93	17.21	-59.66	Communication Svc
Johnson & Johnson	0.89	18.10	-2.57	Healthcare
JPMorgan Chase & Co	0.87	18.97	-32.11	Financial Services
─ UnitedHealth Group Inc	0.85	19.82	1.52	Healthcare
S+p500 Emini Fut Sep22 Xcme 20220916	0.85	20.67	_	-
⊕ Ssc Government Mm Gvmxx	0.83	21.50	_	-
Procter & Gamble Co	0.76	22.26	-21.17	Consumer Defensive

Total Holdings 2651



## Federated Hermes Govt Ultrashort R6 FGULX

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 6 years it's been in existence.

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

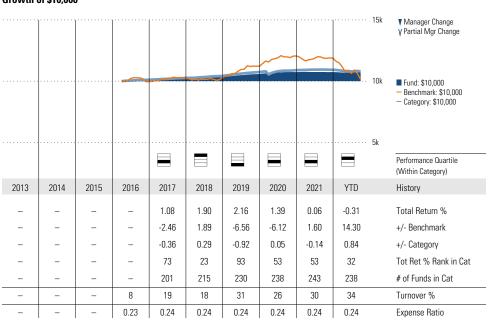
Style Consistency is not calculated for Fixed Income funds.

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

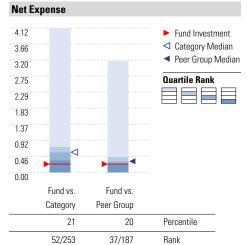
### **Morningstar Investment Management LLC Analysis**

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

### Growth of \$10,000







3- Tear hisk Wiellics			
	Fund	Bmark	Cat
Alpha	0.68	-	0.71
Beta	0.06	-	0.12
R-Squared	31.67	-	16.20
Standard Deviation	0.56	5.36	1.88
Sharpe Ratio	-0.23	-0.70	-0.23
Tracking Error	5.07	_	5.17
Information Ratio	0.74	_	0.69
Up Capture Ratio	11.59	_	25.28
Down Capture Ratio	1.33	_	12.13

Portfolio Metrics			
	Fund	Bmark	Cat
Avg Eff Duration	0.36	4.43	0.90
Avg Eff Maturity	2.55	_	2.34



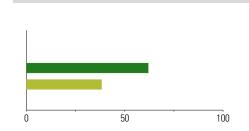
## Federated Hermes Govt Ultrashort R6 FGULX

Morningstar Category
Ultrashort Bond

Morningstar Index Bloomberg US Agg Bond TR USD

**Style Analysis** as of 09-30-2022 **Style Breakdown** 





Asset Allocation as of 09-30-2022

Total	100.00	100.00
Other	0.00	2.22
Cash	38.13	27.70
Bonds	61.87	70.09
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	43.89
AA	0.00	74.59	6.32
A	0.00	10.82	18.20
BBB	0.00	8.32	21.88
BB	0.00	0.28	1.39
В	0.00	0.00	1.10
Below B	0.00	0.00	0.26
Not Rated	0.00	2.46	6.97

		ъ .	0	-		_		П∽						
	Fund	Bmark	Cat	Fund	1	▼ Ben	chmark	[] Ca	ategory	Avera	ge			
Government	14.35	-	15.37											
Treasury	5.34	_	9.99											
Inflation – Protected	0.00	_	0.00											
Agency/Quasi Agency	9.01	_	1.26											
Other Government Related	0.00	_	4.12	ļ										
Corporate	0.00	_	36.35											
Corporate Bond	0.00	_	31.57							0				
Bank Loan	0.00	_	0.37	[]										
Convertible	0.00	_	4.41	į										
Preferred	0.00	_	0.00											
Securitized	47.52	_	20.65											
Agency MBS Pass-Through	1.68	_	0.50	()										
Agency MBS ARM	0.14	_	0.58	[]										
Agency MBS CMO	45.70	_	3.09											
Non-Agency Residential MBS	0.00	_	0.40											
Commercial MBS	0.00	_	1.26	[										
Asset-Backed	0.00	_	14.82	į										
Covered Bond	0.00	_	0.00											
Municipal	0.00	-	1.00	10										
Cash & Equivalents	38.13	-	26.44											
Other	0.00	_	0.09	[										
				0%	5	10	15	20	25	30	35	40	45	50

<b>Top 10 Holdings</b> as of 09-30-2022				
Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ Novasc Repo 1 Repo	04-2022	23.03	23.03	_
⊕ Bofam Repo 1 Repo	04-2022	12.06	35.09	-
⊕ 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



# Invesco Balanced-Risk Commodity Strat R6 IBRFX

Morningstar Category Commodities Broad Basket

Morningstar Index Bloomberg Commodity TR USD

### Portfolio Manager(s)

Chris Devine since 11-2010 Christian Ulrich since 11-2010 Mark Ahnrud since 11-2010 Scott Hixon since 11-2010 Scott Wolle since 11-2010

#### **Quantitative Screens**

× Performance: The fund has finished in the Commodities Broad Basket category's top three quartiles in 6 of the 10 years it's been in existence.

Management: The fund's management has been in place for 11.84 years.

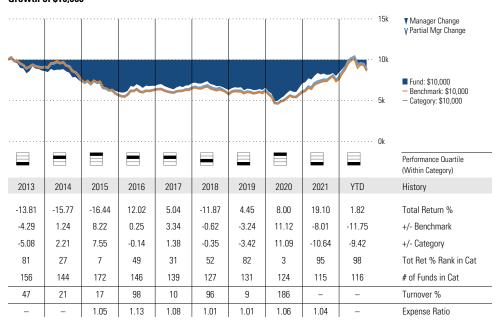
Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 1.11 is 6.73% higher than the Commodities Broad Basket category average.

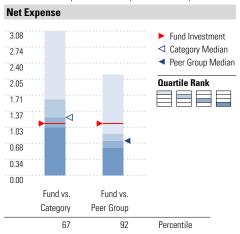
### **Morningstar Investment Management LLC Analysis**

Invesco Balanced-Risk Commodity Strategy has lagged competitors significantly during the commodity resurgence of the past year. That is to be expected given the relatively limited energy exposure that is consistent with the fund's strategy. However, relative results have been worse than we would expect even allowing for a sizable energy underweight. We are placing the fund on watch while we observe how it progresses and assess the fund's ability to get back to results that are conisstent with expectations.

### Growth of \$10,000





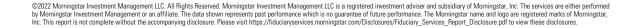


64/70 Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

Rank

3-Year KISK Wietrics			
	Fund	Bmark	Cat
Alpha	-0.39	_	0.25
Beta	0.87	_	1.03
R-Squared	80.75	_	86.02
Standard Deviation	18.10	18.76	21.13
Sharpe Ratio	0.63	0.73	0.70
Tracking Error	8.32	_	7.77
Information Ratio	-0.29	_	0.08
Up Capture Ratio	85.07	_	102.21
Down Capture Ratio	87.18	_	102.72

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



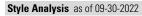
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# Invesco Balanced-Risk Commodity Strat R6 IBRFX

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

### Morningstar Index



Morningstar Style Box™



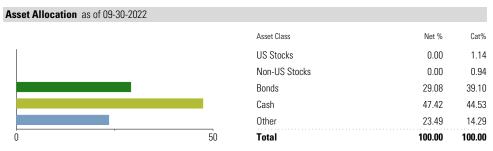
### Style Breakdown

Equity



Weight %

>50 25-50 10-25 0-10



		Fund	Bmark	Cat	Fund	<ul><li>Benchm</li></ul>	ark 🛚 Ca	tegory A	verage	
٠	Cyclical	-	-	47.24						. [
à.	Basic Materials	_	_	47.24						
	Consumer Cyclical	_	_	0.00	ĺ.					
<u></u>	Financial Services	_	_	0.00	0					
à	Real Estate	_	_	0.00	Ō					
ŲT.	Sensitive	-	-	41.11						
	Communication Services	_	_	0.00	Ò					
	Energy	_	_	38.04						
<b>}</b>	Industrials	_	_	3.07						
1	Technology	_	_	0.00	Ò					
+	Defensive	-	-	11.65						
Ţ	Consumer Defensive	_	_	11.04		0				
1	Healthcare	_	_	0.61						
1	Utilities	_	_	0.00	ĺ					

<b>Top 14 Holdings</b> as of 09-30-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Invesco Cayman Commodity Fund Iii Hf	23.49	23.49	_	_
⊕ Invesco Shrt-Trm Inv Treasury Instl	16.56	40.05	_	_
⊕ Invesco Shrt-Trm Inv Gov&Agcy Instl	14.49	54.53	_	_
⊕ Invesco Shrt-Trm Inv Liq Assets InstI	10.27	64.80	_	_
United States Treasury Notes 3.02409%	7.21	72.01	-	-
United States Treasury Notes 3.13609%	6.71	78.72	_	_
United States Treasury Notes 3.08409%	6.29	85.02	_	_
United States Treasury Bills 0%	5.84	90.86	_	_
United States Treasury Bills 0%	5.54	96.39	_	_
Usd Currency Cash	3.05	99.44	-	-
Citigroup Global Markets Holdings Inc. 0.01%	2.60	102.04	_	_
Societe Generale S.A. 0.1%	1.94	103.98	_	_
Barclays Bank plc 0.1%	1.09	105.07	_	_
Barclays Bank plc 0.01%	1.02	106.09	_	_

### Total Holdings 14



### Lord Abbett Total Return R6 LTRHX

### Morningstar Category

#### Morningstar Index

Intermediate Core-Plus Bond Bloomberg US Agg Bond TR USD

### Portfolio Manager(s)

Robert Lee since 08-2000 Andrew O'Brien since 10-2007 Kewjin Yuoh since 04-2012 Steven Rocco since 04-2016 Harris Trifon since 04-2021 Leah Traub since 04-2021 Adam Castle since 04-2021

#### **Quantitative Screens**

Q Performance: The fund has finished in the Intermediate Core-Plus Bond category's top three quartiles in 7 of the 7 years it's been in existence.

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

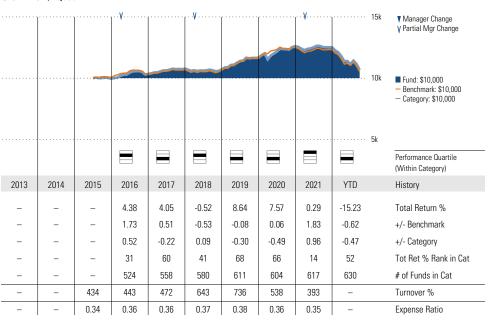
Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 0.35 is 52.7% lower than the Intermediate Core-Plus Bond category average.

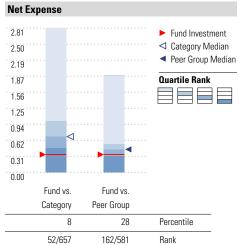
### **Morningstar Investment Management LLC Analysis**

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







3-Year Kisk Metrics			
	Fund	Bmark	Cat
Alpha	0.56	_	0.56
Beta	1.03	-	1.05
R-Squared	82.05	-	78.08
Standard Deviation	6.09	5.36	6.46
Sharpe Ratio	-0.54	-0.70	-0.53
Tracking Error	2.59	-	3.04
Information Ratio	0.16	-	0.12
Up Capture Ratio	118.05	-	119.57
Down Capture Ratio	105.94	-	107.94

Portfolio Metrics			
	Fund	Bmark	Cat
Avg Eff Duration	6.10	4.43	6.08
Avg Eff Maturity	7.96	-	8.46



# Lord Abbett Total Return R6 LTRHX

Asset Allocation as of 09-30-2022

#### **Morningstar Category** Morningstar Index Intermediate Core-Plus Bond Bloomberg US Agg Bond TR USD



<u> </u>		
0	50	100

Asset Class	Net %	Cat%
US Stocks	0.00	0.03
Non-US Stocks	0.00	0.00
Bonds	95.60	100.09
Cash	1.86	-1.84
Other	2.54	1.71
Total	100.00	100.00

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	51.84	3.53	50.65
AA	4.10	74.59	5.16
A	12.77	10.82	11.01
BBB	18.79	8.32	19.73
BB	7.22	0.28	6.92
В	3.61	0.00	2.30
Below B	0.82	0.00	1.92
Not Rated	0.86	2.46	2.31

				0%	5	10	15	20	25	30	35	40
Other	0.02	-	3.49		0							
Cash & Equivalents	1.85	-	4.38									
Municipal	0.50	_	0.94	•								
Covered Bond	0.00	_	0.00	0								
Asset-Backed	19.06	_	10.34									
Commercial MBS	6.15	_	6.60									
Non-Agency Residential MBS	0.50	_	0.52									
Agency MBS CMO	1.72	_	1.02									
Agency MBS ARM	0.00	_	0.05									
Agency MBS Pass-Through	8.96	_	19.07									
Securitized	36.39	_	37.60		-							
Preferred	0.00	_	0.12									
Convertible	2.53	_	1.41									
Bank Loan	2.38	_	0.43									
Corporate Bond	33.86	_	24.97		:		:	:				
Corporate	38.77	_	26.93									
Other Government Related	0.75	_	9.93			ĺ						
Agency/Quasi Agency	2.70	_	0.60									
Inflation – Protected	0.70	_	0.28	ñ								
Treasury	18.31	_	15.66									
Government	22.46	_	26.47					3.7				
	Fund	Bmark	Cat	Fund		Benchma	ark II (	ategory	Average			

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ United States Treasury Notes 3.25%	08-2024	5.27	5.27	_
① United States Treasury Notes 2.75%	07-2027	4.21	9.48	_
① United States Treasury Bonds 3.25%	05-2042	2.24	11.72	_
⊕ United States Treasury Notes 3%	06-2024	2.05	13.77	_
⊕ United States Treasury Bonds 2.88%	05-2052	1.82	15.58	_
Federal Home Loan Banks 0%	09-2022	1.81	17.40	_
⊕ Fnma Pass-Thru I 2.5%	08-2050	1.06	18.46	_
United States Treasury Notes 3.25%	06-2027	1.05	19.51	_
CAPITAL ONE PRIME AUTO RECEIVABLES TRUST 2022-1 2.71%	06-2025	1.00	20.51	_
⊕ Fnma Pass-Thru I 2.5%	09-2050	0.96	21.47	_

Total Holdings 458



## PIMCO International Bond (USD-Hdg) Instl PFORX

Morningstar Category Global Bond-USD Hedged Morningstar Index

Bloomberg US Agg Bond TR USD

### Portfolio Manager(s)

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

#### **Quantitative Screens**

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

Management: The fund's management has been in place for 8.02 years.

Style Consistency is not calculated for Fixed Income funds.

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

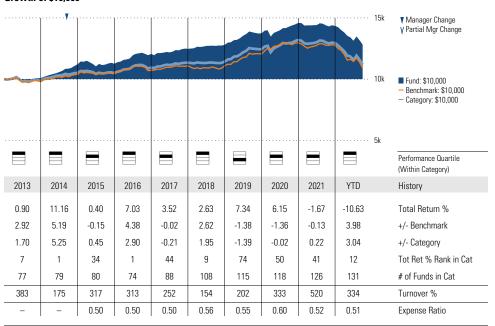
### **Morningstar Investment Management LLC Analysis**

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

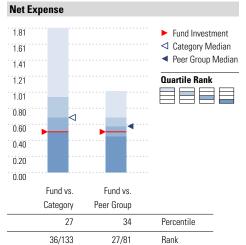
#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	2	04-30-2022

### Growth of \$10,000







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

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



# PIMCO International Bond (USD-Hdg) Instl PFORX

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

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

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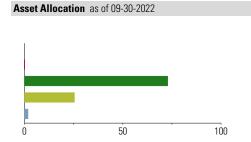
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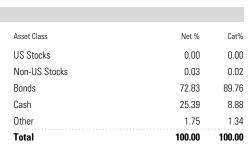
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Mod Ext

Duration





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

Sector Weighting as of 09-	30-2022													
	Fund	Bmark	Cat	Fund		▼ Ben	chmark	[] Ca	ategory	Avera	ge			
Government	40.62	-	48.81											
Treasury	5.10	_	36.04											
Inflation - Protected	0.41	_	1.12	1[										
Agency/Quasi Agency	1.49	-	5.97											
Other Government Related	33.62	_	5.68											
Corporate	3.60	-	12.31				]							
Corporate Bond	2.60	_	11.41											
Bank Loan	0.06	_	0.11											
Convertible	0.76	_	0.79	•										
Preferred	0.18	_	0.00	ĺ										
Securitized	8.07	-	5.28											
Agency MBS Pass-Through	2.80	_	2.75											
Agency MBS ARM	0.00	_	0.00											
Agency MBS CMO	0.02	_	0.32	0										
Non-Agency Residential MBS	1.24	_	0.09	<u></u>										
Commercial MBS	0.25	_	0.46	0										
Asset-Backed	2.96	_	1.37											
Covered Bond	0.80	_	0.29	0										
Municipal	0.03	_	0.10											
Cash & Equivalents	31.75	-	19.83				:							
Other	15.04	_	13.55											
				0%	5	10	15	20	25	30	35	40	45	50

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

Total Holdings 1724



# State St Russell Lg Cap Gr® Indx NL CI C

Morningstar Category

Large Growth

Morningstar Index

Russell 1000 Growth TR USD

### Portfolio Manager(s)

Management Team since 07-1999

#### **Quantitative Screens**

- Performance: The fund has finished in the Large Growth category's top three quartiles in 10 of the 10 years it's been in existence.
- Management: The fund's management has been in place for 23.26 years.
- Net Expense: The fund's expense ratio of 0.04 is 95.45% lower than the Large Growth category average.

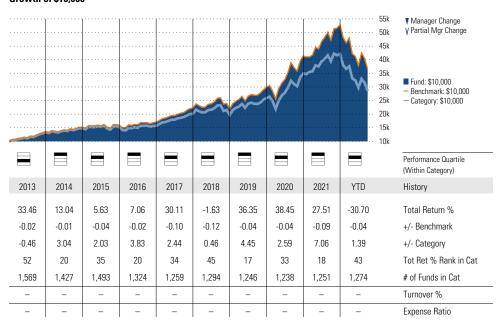
### **Morningstar Investment Management LLC Analysis**

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

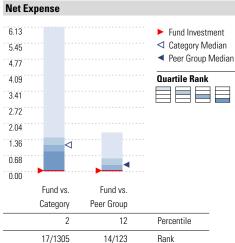
#### **ESG Metrics**

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

### Growth of \$10,000







3-Year Risk Wetrics			
	Fund	Bmark	Cat
Alpha	-0.05	_	-2.84
Beta	1.00	_	0.98
R-Squared	100.00	_	96.29
Standard Deviation	23.12	23.13	23.18
Sharpe Ratio	0.52	0.52	0.39
Tracking Error	0.05	_	4.12
Information Ratio	-1.06	_	-0.89
Up Capture Ratio	99.86	_	91.47
Down Capture Ratio	100.00	_	99.53

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	23.76	23.78	23.27
Price/Book Ratio	8.30	8.32	6.18
Geom Avg Mkt Cap \$B	239.83	240.14	266.70
ROE	41.07	41.06	37.20



# State St Russell Lg Cap Gr® Indx NL CI C

Morningstar Category

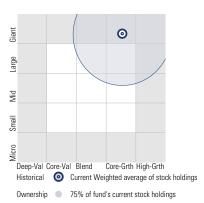
Large Growth

Morningstar Index

Russell 1000 Growth TR USD

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

Morningstar Style Box™



### Style Breakdown

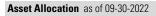
Equity

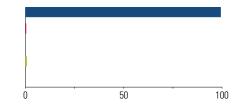
3	30	53	raige
1	6	6	MIN
0	0	1	JIIdii

Value Blend Growth

Weight %

>50 25-50 10-25 0-10





Total	100.00	100.00
Other	0.00	0.37
Cash	0.54	2.00
Bonds	0.00	0.01
Non-US Stocks	0.21	4.27
US Stocks	99.25	93.35
Asset Class	Net %	Cat%

Sec	ctor Weighting as of 09-	30-2022			
		Fund	Bmark	Cat	Fund Fenchmark Category Average
<b>Դ</b>	Cyclical	25.91	25.91	28.66	
A	Basic Materials	1.20	1.20	1.51	
A	Consumer Cyclical	16.67	16.68	15.69	
<del>,</del>	Financial Services	6.40	6.40	9.74	
命	Real Estate	1.64	1.63	1.72	
W	Sensitive	55.69	55.67	51.49	(m)
d	Communication Services	7.44	7.45	9.75	
•	Energy	1.57	1.56	2.32	
Ф	Industrials	7.56	7.55	6.05	
	Technology	39.12	39.11	33.37	
<b>→</b>	Defensive	18.40	18.43	19.86	
Ħ	Consumer Defensive	6.25	6.26	4.32	
+	Healthcare	12.09	12.11	14.94	
•	Utilities	0.06	0.06	0.60	
					0% 5 10 15 20 25 30 35 40 45 50 55 60

<b>Top 15 Holdings</b> as of 09-30-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Apple Inc	12.33	12.33	-21.79	Technology
	10.17	22.50	-30.20	Technology
⊕ Amazon.com Inc	5.86	28.36	-32.22	Consumer Cyclical
⊕ Tesla Inc	3.94	32.29	-24.70	Consumer Cyclical
⊕ Alphabet Inc Class A	2.92	35.21	-33.97	Communication Svc
	2.64	37.85	-33.54	Communication Svc
⊕ UnitedHealth Group Inc	2.51	40.36	1.52	Healthcare
⊕ Visa Inc Class A	1.71	42.06	-17.50	Financial Services
⊕ NVIDIA Corp	1.70	43.77	-58.69	Technology
⊕ Mastercard Inc Class A	1.43	45.20	-20.46	Financial Services
AbbVie Inc	1.38	46.58	2.52	Healthcare
⊕ Eli Lilly and Co	1.30	47.87	18.13	Healthcare
⊕ Costco Wholesale Corp	1.22	49.09	-16.35	Consumer Defensive
⊕ PepsiCo Inc	1.11	50.21	-4.07	Consumer Defensive
→ Broadcom Inc	1.02	51.23	-31.42	Technology

Total Holdings 522



## State St Russell Lg Cp Val® Indx NL Cl C

Morningstar Category
Large Value

Morningstar Index

Russell 1000 Value TR USD

### Portfolio Manager(s)

Management Team since 02-1999

#### **Quantitative Screens**

- Performance: The fund has finished in the Large Value 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 23.61 years.
- Net Expense: The fund's expense ratio of 0.04 is 95.29% lower than the Large Value category average.

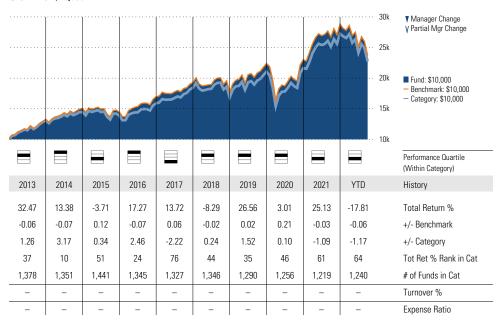
### **Morningstar Investment Management LLC Analysis**

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

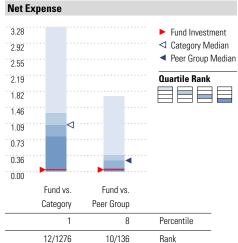
#### **ESG Metrics**

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

### Growth of \$10,000







3-1 car bisk intenics			
	Fund	Bmark	Cat
Alpha	0.04	_	1.49
Beta	1.00	_	0.98
R-Squared	100.00	_	97.21
Standard Deviation	20.43	20.45	20.32
Sharpe Ratio	0.28	0.28	0.35
Tracking Error	0.07	_	3.29
Information Ratio	0.57	_	0.47
Up Capture Ratio	100.01	_	100.46
Down Capture Ratio	99.85	_	95.18

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	13.71	13.75	12.66
Price/Book Ratio	2.00	2.00	2.12
Geom Avg Mkt Cap \$B	64.26	64.23	95.02
ROE	18.61	18.55	25.15



# State St Russell Lg Cp Val® Indx NL Cl C

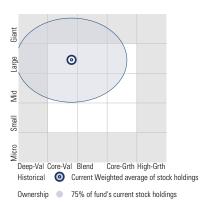
# Morningstar Category Large Value

Morningstar Index

Russell 1000 Value TR USD

Style Analysis as of 09-30-2022

Morningstar Style Box™



### Style Breakdown

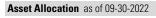
Equity

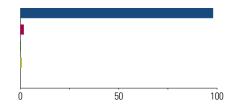
29	32	7	Large
10	15	3	MIG
2	2	0	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10





Total	100.00	100.00
Other	0.00	0.71
Cash	0.55	1.70
Bonds	0.01	0.32
Non-US Stocks	1.54	5.78
US Stocks	97.90	91.50
Asset Class	Net %	Cat%

		Fund	Bmark	Cat	Fund		Benchma	rk I C	ategory .	Λυρτοπο			
_					Tunc		Dentinina	iik [] C	ategury	Hveraye			
<b>Դ</b>	Cyclical	34.83	34.81	32.14		,	:			:			
ė.	Basic Materials	3.62	3.61	3.28		0							
Ф	Consumer Cyclical	5.99	5.97	6.56					_				
æ	Financial Services	20.22	20.20	19.02									
<b>fi</b>	Real Estate	5.00	5.03	3.28									
Ma.	Sensitive	34.43	34.35	36.44			•						
	Communication Services	8.13	8.11	6.86									
ð	Energy	7.86	7.84	8.23			•[						
Ф	Industrials	10.02	10.01	10.72		- :							
	Technology	8.42	8.39	10.63									
<b>→</b>	Defensive	30.75	30.84	31.42									
=	Consumer Defensive	7.41	7.42	8.73			i [						
٠	Healthcare	17.43	17.47	17.09					'				
•	Utilities	5.91	5.95	5.60									
					0%	5	10	15	20	25	30	35	40

Top 15 Holdings as of 09-30-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Berkshire Hathaway Inc Class B	2.88	2.88	-10.70	Financial Services
⊕ Johnson & Johnson	2.57	5.45	-2.57	Healthcare
⊖ Exxon Mobil Corp	2.18	7.63	47.00	Energy
⊕ JPMorgan Chase & Co	1.82	9.45	-32.11	Financial Services
⊕ Chevron Corp	1.69	11.14	26.06	Energy
→ Pfizer Inc	1.48	12.62	-23.86	Healthcare
⊕ Meta Platforms Inc Class A	1.46	14.08	-59.66	Communication Svc
⊕ Bank of America Corp	1.27	15.35	-30.68	Financial Services
Walmart Inc	1.11	16.46	-9.20	Consumer Defensive
⊕ Procter & Gamble Co	1.04	17.50	-21.17	Consumer Defensive
→ Thermo Fisher Scientific Inc	1.04	18.54	-23.85	Healthcare
Cisco Systems Inc	0.99	19.53	-35.10	Technology
⊕ The Walt Disney Co	0.96	20.48	-39.10	Communication Svc
→ Verizon Communications Inc	0.95	21.44	-23.23	Communication Svc
Danaher Corp	0.93	22.36	-21.27	Healthcare

**Total Holdings 847** 



### State St Russell Sm Cap® Gr Indx NL Cl C

Morningstar Category

Small Growth

Morningstar Index

Russell 2000 Growth TR USD

### Portfolio Manager(s)

Management Team since 09-2009

#### **Quantitative Screens**

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

Management: The fund's management has been in place for 13.08 years.

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

Net Expense: The fund's expense ratio of 0.05 is 95.5% lower than the Small Growth category average.

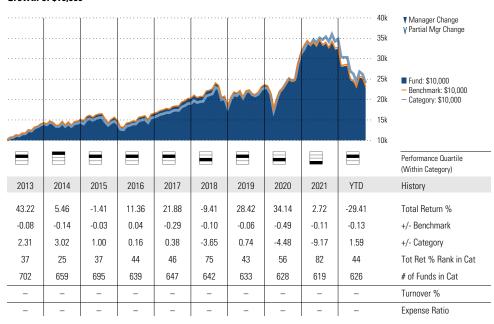
### **Morningstar Investment Management LLC Analysis**

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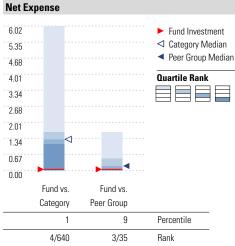
### **ESG Metrics**

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

### Growth of \$10,000



#### **Trailing Performance Total Return %** as of 09-30-2022 ■ Fund Benchmark Category -15 -20 -25 -30 -35 Average annual, if greater than 1 year 3 Month 1 Year 10 year Since Inception 3 yea 5 year Fund Return % 0.19 -29.45 2.70 3.41 8.67 9.83 0.24 -29.27 2.94 3.60 8.81 9.15 Benchmark Return % -29 71 -1.35 5 26 6.34 9 55 Category Average % 28 56 78 86 73 % Rank in Category 635 620 585 542 409 # of Funds in Category



3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	-0.23	_	1.58
Beta	1.00	_	0.95
R-Squared	100.00	_	93.53
Standard Deviation	25.97	25.97	25.45
Sharpe Ratio	0.21	0.21	0.27
Tracking Error	0.11	_	5.89
Information Ratio	-2.24	_	-0.07
Up Capture Ratio	99.51	_	98.51
Down Capture Ratio	100.19	_	94.40

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	13.92	13.92	20.21
Price/Book Ratio	3.42	3.41	3.60
Geom Avg Mkt Cap \$B	2.37	2.37	4.40
ROE	10.07	10.03	15.28



# State St Russell Sm Cap® Gr Indx NL CI C

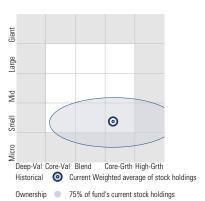
# Morningstar Category Small Growth

### Morningstar Index

Russell 2000 Growth TR USD

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

Morningstar Style Box™



### Style Breakdown

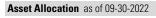
Equity

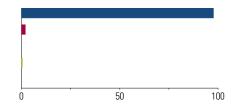
-quit,			
0	0	0	Large
1	2	4	Mid
13	43	38	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10





Total	100.00	100.00
Other	0.00	0.37
Cash	0.43	2.96
Bonds	0.00	0.01
Non-US Stocks	1.92	4.23
US Stocks	97.65	92.44
Asset Class	Net %	Cat%

		Fund	Bmark	Cat	Fund	ł	▼ Ben	chmark	[ Ca	ategory	Avera	ge		
b	Cyclical	22.42	22.42	26.13										
à.	Basic Materials	4.63	4.64	2.94										
<b>-</b>	Consumer Cyclical	9.56	9.56	10.91										
₽	Financial Services	6.11	6.09	9.44										
b	Real Estate	2.12	2.13	2.84										
M	Sensitive	45.94	45.97	45.90										
	Communication Services	2.32	2.30	2.05										
•	Energy	6.48	6.53	3.69										
<b>‡</b>	Industrials	16.49	16.49	16.99										
	Technology	20.65	20.65	23.17										
<b>→</b>	Defensive	31.62	31.62	27.98										
=	Consumer Defensive	4.53	4.53	4.67										
ř	Healthcare	25.17	25.17	22.34										
?	Utilities	1.92	1.92	0.97										

<b>Top 15 Holdings</b> as of 09-30-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
ShockWave Medical Inc	0.87	0.87	55.93	Healthcare
⊕ E-Mini Russ 2000 Dec22 Xcme 20221216	0.66	1.52	_	-
○ Chart Industries Inc	0.59	2.12	15.59	Industrials
Karuna Therapeutics Inc	0.59	2.70	71.70	Healthcare
→ Apellis Pharmaceuticals Inc	0.57	3.27	44.46	Healthcare
	0.53	3.80	38.44	Consumer Cyclical
Biohaven Pharmaceutical Holding Co Ltd	0.52	4.32	_	Healthcare
∃ Texas Roadhouse Inc	0.52	4.84	-0.72	Consumer Cyclical
Iridium Communications Inc	0.50	5.34	7.46	Communication Svc
∋ EMCOR Group Inc	0.50	5.84	-9.04	Industrials
Kinsale Capital Group Inc	0.49	6.33	7.53	Financial Services
HealthEquity Inc	0.49	6.82	51.83	Healthcare
Matador Resources Co	0.49	7.31	33.04	Energy
First Financial Bankshares Inc	0.48	7.79	-16.76	Financial Services
⊕ Halozyme Therapeutics Inc	0.48	8.27	-1.67	Healthcare

### **Total Holdings** 1103



## State St Russell Sm Cp® Val Indx NL Cl C

Morningstar Category

Small Value

Morningstar Index

Russell 2000 Value TR USD

### Portfolio Manager(s)

Management Team since 09-2009

#### **Quantitative Screens**

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

Management: The fund's management has been in place for 13.08 years.

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

Net Expense: The fund's expense ratio of 0.05 is 95.33% lower than the Small Value category average.

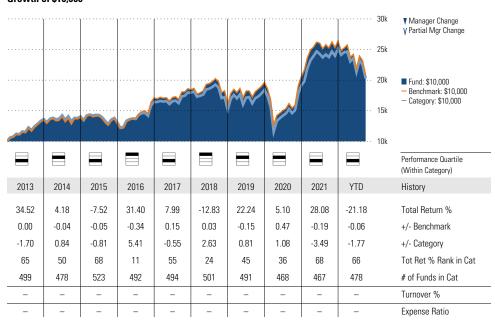
### **Morningstar Investment Management LLC Analysis**

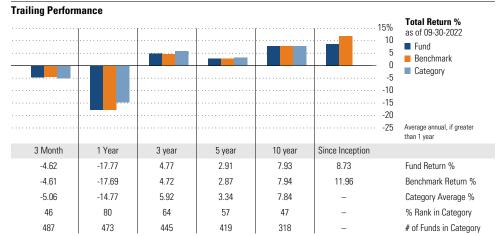
This fund passes all of Morningstar Investment
Management's quantitative screens. Morningstar
Investment Management has also assessed the fund from a
qualitative perspective and, as a fiduciary, is comfortable
recommending the fund's use in retirement plans.

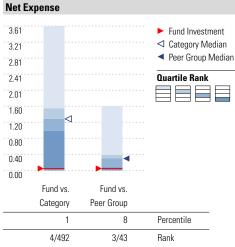
#### **ESG Metrics**

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

### Growth of \$10,000

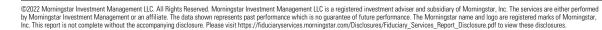






3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	0.04	_	0.81
Beta	0.99	_	1.00
R-Squared	99.99	_	97.21
Standard Deviation	26.29	26.48	26.81
Sharpe Ratio	0.29	0.28	0.31
Tracking Error	0.31	_	3.85
Information Ratio	0.13	_	-0.47
Up Capture Ratio	99.67	_	100.19
Down Capture Ratio	99.52	_	98.21

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	8.43	8.44	9.93
Price/Book Ratio	1.16	1.16	1.45
Geom Avg Mkt Cap \$B	1.65	1.65	3.37
ROE	7.03	7.02	16.19





# State St Russell Sm Cp® Val Indx NL CI C

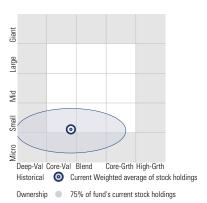
# Morningstar Category Small Value

Morningstar Index

Russell 2000 Value TR USD

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

Morningstar Style Box™



### Style Breakdown

Equity

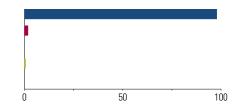
)	0	0	Large
1	0	1	Mid
46	41	10	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10

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



Total	100.00	100.00
Other	0.00	0.02
Cash	0.51	2.08
Bonds	0.00	0.03
Non-US Stocks	1.72	2.90
US Stocks	97.77	94.97
Asset Class	Net %	Cat%

Sec	ctor Weighting as of 09-	30-2022			
		Fund	Bmark	Cat	Fund ▼ Benchmark [] Category Average
<u></u>	Cyclical	53.22	53.08	50.26	
æ.	Basic Materials	3.26	3.36	5.71	
<b>A</b>	Consumer Cyclical	10.00	9.92	12.73	
<del>,</del>	Financial Services	26.56	26.51	24.49	
<b>fi</b>	Real Estate	13.40	13.29	7.33	
W	Sensitive	26.01	26.23	35.83	
d	Communication Services	2.87	2.88	1.93	
•	Energy	5.05	5.32	6.56	<b>—</b>
Ф	Industrials	11.53	11.49	18.02	
	Technology	6.56	6.54	9.32	
<b>-</b>	Defensive	20.77	20.70	13.92	
Ħ	Consumer Defensive	3.45	3.44	4.24	
٠	Healthcare	12.28	12.22	6.43	
•	Utilities	5.04	5.04	3.25	
					0% 5 10 15 20 25 30 35 40 45 50 1

<b>Top 15 Holdings</b> as of 09-30-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ E-Mini Russ 2000 Dec22 Xcme 20221216	0.64	0.64	_	_
SouthState Corp	0.55	1.19	0.61	Financial Services
⊕ Agree Realty Corp	0.50	1.69	-2.38	Real Estate
	0.47	2.16	-38.44	Real Estate
→ RBC Bearings Inc	0.46	2.62	2.89	Industrials
Selective Insurance Group Inc	0.45	3.08	0.37	Financial Services
⊖ Old National Bancorp	0.45	3.52	-6.79	Financial Services
⊖ Glacier Bancorp Inc	0.44	3.96	-12.01	Financial Services
⊕ United Bankshares Inc	0.43	4.39	1.52	Financial Services
Tegna Inc	0.43	4.82	12.96	Communication Svc
Valley National Bancorp	0.43	5.25	-19.05	Financial Services
State Street Corporation Short Term Investment Fund	0.41	5.66	_	-
Black Hills Corp	0.41	6.07	-1.49	Utilities
Cadence Bank	0.40	6.47	-12.49	Financial Services
Civitas Resources Inc Ordinary Shares	0.40	6.87	26.05	Energy

Total Holdings 1356



## Vanguard Developed Markets Index Admiral VTMGX

**Morningstar Category** Foreign Large Blend

Morningstar Index MSCI ACWI Ex USA NR USD

### Portfolio Manager(s)

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

### **Quantitative Screens**

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

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

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

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

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

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

### **ESG Metrics**

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

### Growth of \$10,000



### **Trailing Performance**



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

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

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

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



# Vanguard Developed Markets Index Admiral VTMGX

# **Morningstar Category**Foreign Large Blend

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

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

Morningstar Style Box™



### Style Breakdown

Equity

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

Value Blend Growth

Weight %

>50 25-50 10-25 0-10

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



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

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

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



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

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

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

### Total Holdings 4132

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



# Vanguard Emerging Mkts Stock Idx Adm VEMAX

Morningstar Category
Diversified Emerging Mkts

Morningstar Index MSCI EM NR USD

### Portfolio Manager(s)

Michael Perre since 08-2008 Jeffrey Miller since 02-2016

### **Quantitative Screens**

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

Management: The fund's management has been in place for 14.1 years.

Net Expense: The fund's expense ratio of 0.14 is 87.93% lower than the Diversified Emerging Mkts category average.

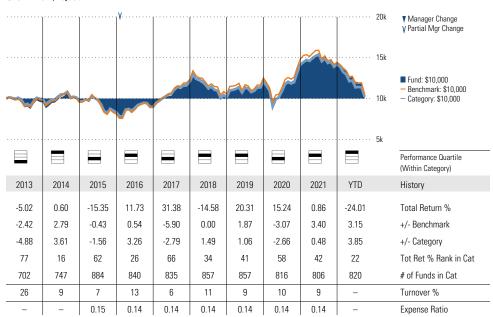
### **Morningstar Investment Management LLC Analysis**

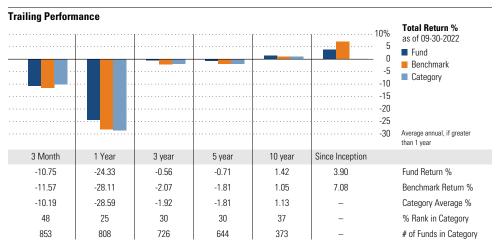
This fund passes all of Morningstar Investment
Management's quantitative screens. Morningstar
Investment Management has also assessed the fund from a
qualitative perspective and, as a fiduciary, is comfortable
recommending the fund's use in retirement plans.

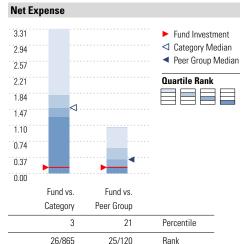
### **ESG Metrics**

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

### Growth of \$10,000







3- Tear hisk Wietrics			
	Fund	Bmark	Cat
Alpha	1.42	-	-0.04
Beta	0.95	_	1.01
R-Squared	96.97	_	89.15
Standard Deviation	18.60	19.18	20.61
Sharpe Ratio	0.03	-0.05	-0.05
Tracking Error	3.35	_	6.63
Information Ratio	0.45	_	-0.10
Up Capture Ratio	98.23	_	101.61
Down Capture Ratio	92.70	_	102.73

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	11.15	9.97	10.69
Price/Book Ratio	1.71	1.51	1.71
Geom Avg Mkt Cap \$B	21.99	30.78	38.21
ROE	17.75	17.48	18.39



# Vanguard Emerging Mkts Stock Idx Adm VEMAX

# Morningstar CategoryMorningstar IndexDiversified Emerging MktsMSCI EM NR USD

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

Morningstar Style Box™



### Style Breakdown

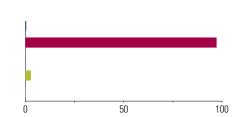
Equity

18	43	18	Laige
6	8	3	MIN
2	2	1	JIIaii

Value Blend Growth

Weight %

>50 25-50 10-25 0-10



Asset Allocation as of 09-30-2022

Total	100.00	100.00
Other	0.07	-0.24
Cash	2.60	2.74
Bonds	0.00	0.04
Non-US Stocks	97.11	94.37
US Stocks	0.23	3.08
Asset Class	Net %	Cat%

Sec	ctor Weighting as of 09-3	30-2022											
		Fund	Bmark	Cat	Fund	▼ Be	enchmar	k [] Ca	itegory	Avera	ge		
<u></u>	Cyclical	47.05	46.87	45.10									
â.	Basic Materials	9.25	8.82	6.85									
Д	Consumer Cyclical	13.76	13.38	14.50									
<b>,</b>	Financial Services	21.08	22.67	21.97					۲ .				
æ	Real Estate	2.96	2.00	1.78									
M	Sensitive	38.24	39.51	40.66								• [	
	Communication Services	9.54	10.09	9.06									
ð	Energy	5.69	5.41	5.15		)							
<b>Ģ</b>	Industrials	7.14	5.71	5.98		Ò							
	Technology	15.87	18.30	20.47				1					
<b>→</b>	Defensive	14.68	13.61	14.23									
=	Consumer Defensive	6.32	6.38	7.44		<b>[</b> ]							
٠	Healthcare	4.58	4.11	4.94									
•	Utilities	3.78	3.12	1.85									

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



	Fund %	Cat %	
Greater Asia	76.25	75.82	
Japan	0.00	0.09	
Australasia	0.00	0.04	
Asia-4 Tigers	17.55	24.94	
Asia-ex 4 Tigers	58.70	50.75	
Not Classified	0.00	0.00	

Americas	Fund % 9.66	Cat % 14.15	Greater Europe	Fund % 14.09	Cat % 10.02	Market Maturity	Fund %
North America	0.17	3.05	United Kingdom	0.00	0.64	Developed Markets	21.96
Central/Latin	9.49	11.10	W euro-ex UK	0.39	1.63	Emerging Markets	78.04
			Emrgng Europe	1.05	1.13	Not Available	0.00
			Africa	12.65	6.62		

<b>Top 10 Holdings</b> as of 09-30-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Taiwan Semiconductor Manufacturing Co Ltd	4.64	4.64	-30.04	Technology
⊕ Tencent Holdings Ltd	3.59	8.23	-44.79	Communication Svc
⊕ Alibaba Group Holding Ltd Ordinary Shares	2.59	10.83	-18.43	Consumer Cyclical
⊕ Reliance Industries Ltd	1.59	12.42	0.71	Energy
⊕ Meituan Class B	1.43	13.84	-13.13	Consumer Cyclical
⊕ Mktliq 12/31/2049	1.17	15.02	_	_
⊕ JD.com Inc Ordinary Shares - Class A	1.08	16.10	-9.23	Consumer Cyclical
Taiwan Semiconductor Manufacturing Co Ltd ADR	1.05	17.15	-42.10	Technology
⊕ Infosys Ltd	0.95	18.09	-24.36	Technology
⊕ Slbbh1142	0.87	18.96	_	-

### Total Holdings 4512



## Vanguard FTSE Social Index Admiral VFTAX

Morningstar Category

Large Blend

Morningstar Index S&P 500 TR USD

### Portfolio Manager(s)

Gerard O'Reilly since 12-2015 William Coleman since 12-2015

#### Quantitative Screens

Performance: The fund has finished in the Large Blend category's top three quartiles in 2 of the 3 years it's been in existence.

Management: The fund's management has been in place for 6.78 years.

× Style: The fund has landed in its primary style box — Large Blend — 35.29 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.14 is 82.5% lower than the Large Blend category average.

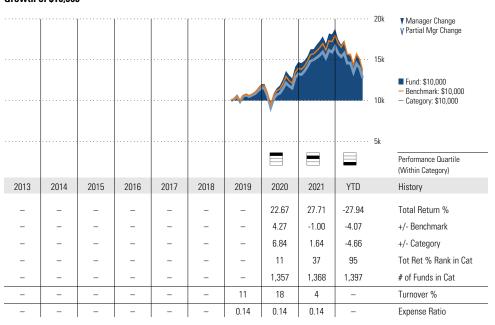
### **Morningstar Investment Management LLC Analysis**

This fund fails our style consistency screen but because it is an index fund we do not regard the failure as significant.

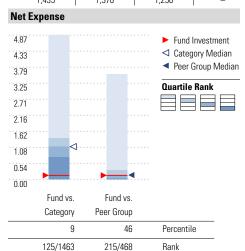
#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	4	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	2-Basic	02-15-2022

### Growth of \$10,000







3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	-0.76	_	-1.32
Beta	1.05	_	0.96
R-Squared	99.06	_	95.48
Standard Deviation	21.51	20.30	19.87
Sharpe Ratio	0.42	0.45	0.37
Tracking Error	2.36	-	4.01
Information Ratio	-0.21	-	-0.98
Up Capture Ratio	104.01	-	92.89
Down Capture Ratio	106.82	-	97.59

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	21.05	17.98	18.23
Price/Book Ratio	4.33	3.38	3.60
Geom Avg Mkt Cap \$B	199.22	164.20	210.33
ROE	34.15	31.94	32.91



# Vanguard FTSE Social Index Admiral VFTAX

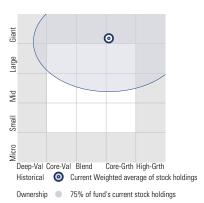
### **Morningstar Category** Large Blend

Morningstar Index

S&P 500 TR USD

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

Morningstar Style Box™



### Style Breakdown

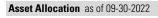
Equity

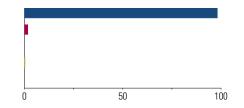
12	30	41	Large
4	8	4	M
0	0	0	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10





Total	100.00	100.00
Other	0.00	1.09
Cash	0.24	0.53
Bonds	0.00	0.87
Non-US Stocks	1.65	2.67
US Stocks	98.11	94.84
Asset Class	Net %	Cat%

Sec	ctor Weighting as of 09-	30-2022			
		Fund	Bmark	Cat	Fund • Benchmark [] Category Average
ሁ	Cyclical	31.72	29.69	29.07	
A	Basic Materials	2.03	2.24	2.66	
A	Consumer Cyclical	12.93	11.44	10.23	
ø	Financial Services	13.19	13.11	13.64	
<b>fi</b>	Real Estate	3.57	2.90	2.54	
W	Sensitive	45.51	44.73	45.16	
0	Communication Services	10.12	8.07	7.92	
ð	Energy	0.00	4.55	4.06	
Ф	Industrials	5.22	8.32	10.09	<b>'</b> i
	Technology	30.17	23.79	23.09	
<b>→</b>	Defensive	22.77	25.58	25.75	
Ħ	Consumer Defensive	6.68	7.33	7.35	
+	Healthcare	15.94	15.18	15.61	
•	Utilities	0.15	3.07	2.79	
					0% 5 10 15 20 25 30 35 40 45 5

<b>Top 15 Holdings</b> as of 09-30-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
	8.32	8.32	-21.79	Technology
	7.04	15.36	-30.20	Technology
	4.02	19.38	-32.22	Consumer Cyclical
⊕ Tesla Inc	2.53	21.91	-24.70	Consumer Cyclical
Alphabet Inc Class A	2.33	24.24	-33.97	Communication Svc
<ul> <li>→ Alphabet Inc Class C</li> </ul>	2.16	26.40	-33.54	Communication Svc
○ UnitedHealth Group Inc	1.70	28.10	1.52	Healthcare
NVIDIA Corp      Output     Description:	1.46	29.56	-58.69	Technology
	1.22	30.78	-59.66	Communication Svc
○ Visa Inc Class A	1.17	31.95	-17.50	Financial Services
	1.13	33.08	-32.11	Financial Services
	1.11	34.19	-21.17	Consumer Defensive
	1.04	35.23	-32.14	Consumer Cyclical
	1.02	36.25	-20.46	Financial Services
→ Pfizer Inc	0.96	37.21	-23.86	Healthcare

**Total Holdings 492** 



### Vanguard High-Yield Corporate Adm VWEAX

### Morningstar Category High Yield Bond

### Morningstar Index

ICE BofA US High Yield TR USD

### Portfolio Manager(s)

Michael Hong since 02-2008

#### **Quantitative Screens**

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

Management: The fund's management has been in place for 14.64 years.

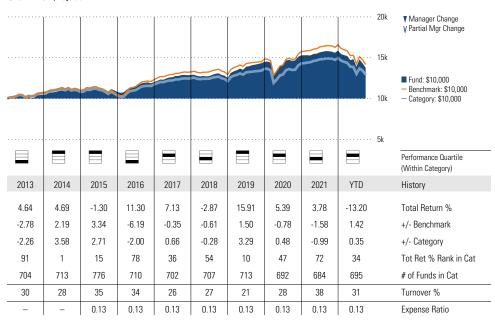
Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 0.13 is 85.56% lower than the High Yield Bond category average.

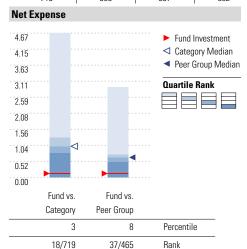
#### **Morningstar Investment Management LLC Analysis**

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

### Growth of \$10,000







3-Year hisk wetrics			
	Fund	Bmark	Cat
Alpha	-0.35	_	-0.22
Beta	0.89	_	0.95
R-Squared	98.02	-	95.19
Standard Deviation	10.06	11.14	10.79
Sharpe Ratio	-0.10	-0.06	-0.07
Tracking Error	1.84	_	2.50
Information Ratio	-0.12	_	-0.16
Up Capture Ratio	87.81	_	91.62
Down Capture Ratio	90.47	_	93.77

Portfolio Metrics			
	Fund	Bmark	Cat
Avg Eff Duration	3.96	-	3.71
Avg Eff Maturity	5.80	-	5.59



# Vanguard High-Yield Corporate Adm VWEAX

Asset Allocation as of 09-30-2022 Asset Class Net % Cat% US Stocks 0.89 0.00 Non-US Stocks 0.00 0.03 Bonds 96.23 91.71 Cash 2.17 3.24

Other

Total

100

**Morningstar Category** 

High Yield Bond

**Morningstar Index** 

ICE BofA US High Yield TR USD

1.60

100.00

4.13

100.00

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

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	5.33	_	1.75
AA	-0.02	_	0.05
A	0.00	_	0.19
BBB	4.99	_	4.19
BB	53.79	_	35.65
В	31.24	_	37.64
Below B	4.70	_	18.17
Not Rated	-0.03	_	2.36

	Fund	Bmark	Cat	Fund	▼ Benchma	rk [	] Cat	egory	Avera	ge		
Government	4.01	-	2.39									
Treasury	4.01	_	0.69	()=								
nflation – Protected	0.00	_	0.01	j i								
Agency/Quasi Agency	0.00	_	0.12	0								
Other Government Related	0.00	_	1.57	10								
Corporate	93.72	-	88.30									
Corporate Bond	86.25	_	81.83									
Bank Loan	5.87	_	5.20									
Convertible	1.60	_	1.18	()								
Preferred	0.00	_	0.09	ĺ								
Securitized	0.00	-	2.07									
Agency MBS Pass-Through	0.00	_	0.06									
Agency MBS ARM	0.00	_	0.00									
Agency MBS CMO	0.00	_	0.22	ĺ								
Non-Agency Residential MBS	0.00	_	0.14									
Commercial MBS	0.00	_	0.61	0								
Asset-Backed	0.00	_	1.04	0								
Covered Bond	0.00	_	0.00	Û								
Municipal	0.00	-	0.03									
Cash & Equivalents	2.27	_	6.13									
Other	0.00	-	1.08	0								

<b>Top 10 Holdings</b> as of 09-30-2022				
Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
€ T-Mobile US Inc	-	1.26	1.26	_
United States Treasury Notes	_	1.01	2.27	_
United States Treasury Notes	_	1.01	3.27	_
United States Treasury Notes	_	1.00	4.28	_
⊕ United States Treasury Notes	-	1.00	5.28	_
United States Treasury Notes	_	0.99	6.27	_
Imola Merger Corp.	_	0.85	7.13	_
Herc Holdings Inc	_	0.73	7.86	-
Mozart Debt Merger Subordinated Incorporated	_	0.73	8.59	_
Credit Suisse Group AG	_	0.72	9.31	_

50

Total Holdings 639



## Vanguard Inflation-Protected Secs Adm VAIPX

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

### Portfolio Manager(s)

John Madziyire since 11-2021

#### **Quantitative Screens**

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

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

Style Consistency is not calculated for Fixed Income funds.

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

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

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

#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	08-31-2022

### Growth of \$10,000



### **Trailing Performance**





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

21/166

Rank

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

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



20/217

# Vanguard Inflation-Protected Secs Adm VAIPX

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





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

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

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

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

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

Total Holdings 49



# Vanguard International Growth Adm VWILX

**Morningstar Category** Foreign Large Growth

Morningstar Index MSCI EAFE NR USD

### Portfolio Manager(s)

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

### **Quantitative Screens**

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

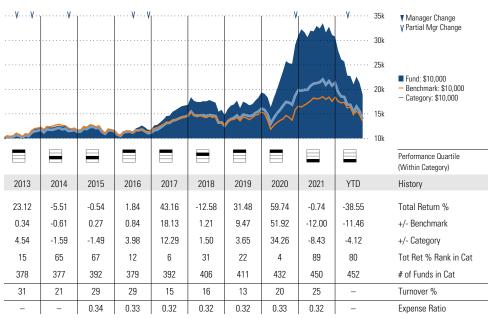
### **Morningstar Investment Management LLC Analysis**

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

#### **ESG Metrics**

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

### Growth of \$10,000



### **Trailing Performance**



3-Year Risk Metrics

Down Capture Ratio

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

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

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

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

95.06

103.29



# Vanguard International Growth Adm VWILX

# Morningstar Category Foreign Large Growth N

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

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

Morningstar Style Box™



### Style Breakdown

Equity

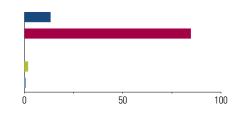
10	33	44	Large
1	4	8	Mid
0	0	0	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10

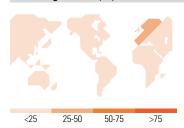
### Asset Allocation as of 09-30-2022



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

Sec	ctor Weighting as of 09-	30-2022											
		Fund	Bmark	Cat	Fund	· •	Benchma	ark [] C	ategory	Average			
Դ	Cyclical	37.82	38.61	34.60			,						
A	Basic Materials	0.51	7.50	6.46		0	' i						
A	Consumer Cyclical	27.26	10.50	12.47									
<del>,</del>	Financial Services	10.05	17.65	14.87				0	7				
侖	Real Estate	0.00	2.96	0.80	[]	1							
W	Sensitive	38.35	33.04	39.45									
d	Communication Services	7.77	5.11	4.52									
•	Energy	2.21	5.02	3.90				į					
Ф	Industrials	10.61	14.77	15.63		- :							
	Technology	17.76	8.14	15.40			<b>T</b>						
<b>→</b>	Defensive	23.82	28.34	25.94									
Ħ	Consumer Defensive	5.96	11.17	9.56									
٠	Healthcare	16.84	13.99	15.41									
•	Utilities	1.02	3.18	0.97		7							
					0%	5	10	15	20	25	30	35	4

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



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

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

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

### **Total Holdings 145**



# Vanguard International Value Inv VTRIX

Morningstar Category Foreign Large Value Morningstar Index MSCI EAFE NR USD

### Portfolio Manager(s)

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

#### **Quantitative Screens**

- Performance: The fund has finished in the Foreign Large Value category's top three quartiles in 8 of the 10 years it's been in existence.
- Management: The fund's management has been in place for 12.35 years.
- Style: The fund has landed in its primary style box —
   Large Value 81.82 % of the time over the past three vears.
- Net Expense: The fund's expense ratio of 0.36 is 63.27% lower than the Foreign Large Value category average.

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

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

### **ESG Metrics**

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

### Growth of \$10,000







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

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





# Vanguard International Value Inv VTRIX

# Morningstar CategoryMorningstar IndexForeign Large ValueMSCI EAFE NR USD

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

Morningstar Style Box™



### Style Breakdown

Equity

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

Value Blend Growth

Weight %

>50 25-50 10-25 0-10



50

Asset Allocation as of 09-30-2022



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

100

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



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

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

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

### Total Holdings 238

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



# Vanguard LifeStrategy Cnsrv Gr Inv VSCGX

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

USD

Morningstar US Mod Con Tgt Alloc NR USD

Expense Ratio

### Portfolio Manager(s)

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

#### **Quantitative Screens**

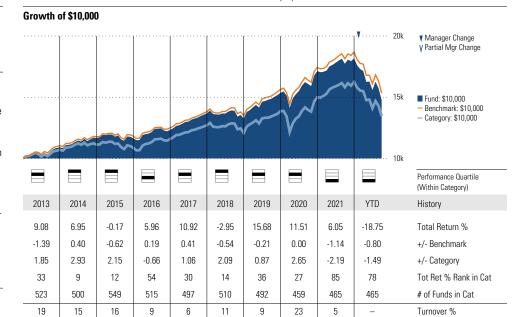
- Performance: The fund has finished in the Allocation--30% to 50% Equity category's top three quartiles in 8 of the 10 years it's been in existence.
- × *Management:* The fund's management team has been in place for less than three years.
- Net Expense: The fund's expense ratio of 0.12 is 87.23% lower 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.

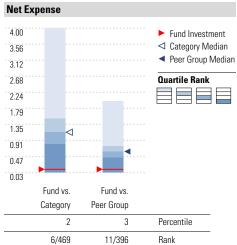
### **ESG Metrics**

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





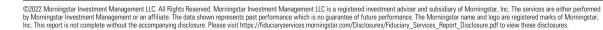
3-Year Risk Metrics



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	-0.75	-	-0.36
Beta	1.00	-	1.05
R-Squared	99.45	-	93.02
Standard Deviation	9.85	9.78	10.62
Sharpe Ratio	-0.04	0.03	0.01
Tracking Error	0.73	-	2.94
Information Ratio	-1.03	-	-0.11
Up Capture Ratio	97.02	-	102.55
Down Capture Ratio	102.69	_	105.68

Portfolio Metrics									
	Fund	Bmark	Cat						
Price/Earnings Ratio	15.51	14.88	15.27						
Price/Book Ratio	2.29	2.34	2.52						
Avg Eff Duration	7.02	6.45	5.27						





# Vanguard LifeStrategy Cnsrv Gr Inv VSCGX

Morningstar Category Allocation--30% to 50%

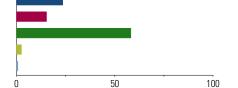
**Morningstar Index** 

Morningstar US Mod Con Tgt Alloc NR

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

Morningstar Style Box™



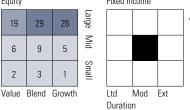


Asset Allocation as of 09-30-2022



### Style Breakdown

Equity





>50 25-50 10-25 0-10

		Fund	Bmark	Cat	Fund	•	Bench	nmark	Cate	gory Ave	erage	_	
b	Cyclical	34.82	33.90	35.53									
ů.	Basic Materials	4.76	4.13	3.67									
4	Consumer Cyclical	10.77	11.39	9.21				<u>.</u>					
£	Financial Services	15.48	14.90	14.07									
ŧ	Real Estate	3.81	3.48	8.58									
M	Sensitive	41.82	42.04	38.80									
	Communication Services	7.46	6.90	6.45									
	Energy	4.87	5.01	5.29									
\$	Industrials	10.67	10.46	9.52									
3	Technology	18.82	19.67	17.54									
+	Defensive	23.35	24.06	25.66						<b>=</b> [			
	Consumer Defensive	7.30	7.45	7.27									
۲	Healthcare	12.92	13.50	14.41				■ [					
•	Utilities	3.13	3.11	3.98									

<b>Top 6 Holdings</b> as of 09-30-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Vanguard Total Bond Market II Idx Inv	_	41.06	41.06	_	_
○ Vanguard Total Stock Mkt Idx Inv	_	23.86	64.93	_	_
Vanguard Total Intl Bd II Idx Investor	_	18.22	83.15	_	_
Vanguard Total Intl Stock Index Inv	_	15.62	98.77	_	_
① Mktliq 12/31/2049	_	1.23	100.00	_	_
<ul><li>⊖ Us Dollar</li></ul>	-	0.00	100.00	_	_

### Total Holdings 6



## Vanguard LifeStrategy Growth Inv VASGX

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

Morningstar US Mod Agg Tgt Alloc NR

Equity

#### Portfolio Manager(s)

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

#### **Quantitative Screens**

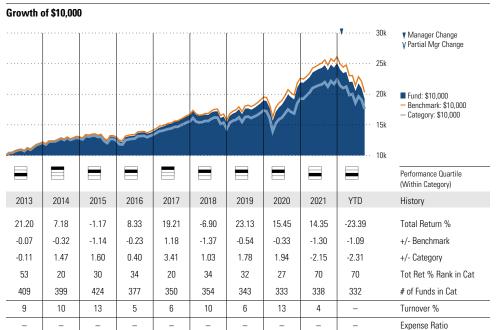
- Performance: The fund has finished in the Allocation-70% to 85% Equity category's top three quartiles in 10 of the 10 years it's been in existence.
- × *Management:* The fund's management team has been in place for less than three years.
- ✓ Net Expense: The fund's expense ratio of 0.14 is 86% lower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

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

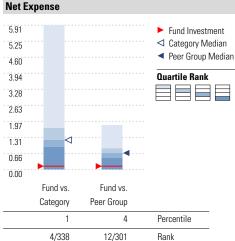
Although this fund technically fails the manager tenure screen due to changes in how the portfolio management team is listed, in fact the same team that oversees the strategy remains in place.

#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
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	-0.92	_	-0.84
Beta	1.01	_	1.01
R-Squared	99.52	-	94.73
Standard Deviation	16.32	16.07	16.75
Sharpe Ratio	0.20	0.26	0.21
Tracking Error	1.15	-	3.73
Information Ratio	-0.81	-	-0.29
Up Capture Ratio	99.02	-	98.74
Down Capture Ratio	103.20	-	103.04

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	15.54	14.84	13.67
Price/Book Ratio	2.30	2.34	2.27
Avg Eff Duration	7.03	6.45	5.75



# Vanguard LifeStrategy Growth Inv VASGX

Morningstar Category Allocation--70% to 85%

Morningstar Index

Morningstar US Mod Agg Tgt Alloc NR

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

Morningstar Style Box™



Asset Allocation as of 09-30-2022

Asset Class 56.26 **US Stocks** 47.38 Non-US Stocks 30.28 17.28 Bonds 19.26 16.19 2.86 Cash 4.96 Other 0.23 5.32 Total 100.00 100.00

#### Style Breakdown

Equity				Fixed Ir	ncome		Quality
19	29	26	Large				High
5	9	5	Mid				Mid
2	3	2	Small				Low
Value	Blend	Growth		Ltd Duratio	Mod	Ext	,

Fixed I	ncome		Quality
			High
			Mid
			Low
Ltd	Mod	Ext	_

>50 25-50 10-25 0-10

			_ uuanii
			High
			Mid
			Low
Ltd Durat	Mod	Ext	_

Se	ctor Weighting as of 09-3	30-2022											
		Fund	Bmark	Cat	Fund	•	Bench	mark	Cate	gory Av	erage		
Դ	Cyclical	34.78	33.95	34.58									
A.	Basic Materials	4.74	4.16	4.55									
A	Consumer Cyclical	10.78	11.40	10.63				<u> </u>					
<b>,</b>	Financial Services	15.46	14.93	15.41									
俞	Real Estate	3.80	3.46	3.99		0							
W	Sensitive	41.82	42.09	42.04									
	Communication Services	7.46	6.95	8.07			10						
ð	Energy	4.86	5.01	5.15									
Ф	Industrials	10.65	10.42	10.67									
	Technology	18.85	19.71	18.15						_ :			
<b>—</b>	Defensive	23.40	23.96	23.36									
Ħ	Consumer Defensive	7.31	7.43	6.82			*						
+	Healthcare	12.95	13.42	13.36				<b>I</b>					
•	Utilities	3.14	3.11	3.18									
				<del></del>	0%	5	10	15	20	25	30	35	_

50

<b>Top 6 Holdings</b> as of 09-30-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Vanguard Total Stock Mkt Idx Inv	_	48.14	48.14	_	_
Vanguard Total Intl Stock Index Inv	_	31.02	79.16	_	_
○ Vanguard Total Bond Market II ldx Inv	_	13.46	92.62	_	_
Vanguard Total Intl Bd II Idx Investor	_	6.17	98.79	_	_
① Mktliq 12/31/2049	-	1.20	99.99	-	_
<ul><li>⊖ Us Dollar</li></ul>	-	0.01	100.00	-	-

#### Total Holdings 6

⊕ Increase ⊕ Decrease 🕸 New to Portfolio



## Vanguard LifeStrategy Income Inv VASIX

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

Morningstar US Con Tgt Alloc NR USD

valigualu Lilestrategy ilicollie iliv VASI

#### 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 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 0.11 is
   88.89% 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	08-31-2022
FSG Commitment	1-l ow	02-15-2022

#### Growth of \$10,000 ▼ Manager Change V Partial Mgr Change ■ Fund: \$10,000 Benchmark: \$10,000Category: \$10,000 Performance Quartile (Within Category) 2019 2013 2014 2015 2016 2017 2018 2020 2021 YTD History 3.40 6.76 0.22 4.58 6.98 -1.05 12.05 9.13 1.92 -16.30 Total Return % -1.84 0.92 -0.51 0.17 -0.06 -0.24 -0.38 -0.13 -1.69 -0.49 +/- Benchmark -0.62 3.22 2.29 -0.97 0.73 2.09 0.85 1.84 -3.12 -2.18 +/- Category

35

145

6

27

136

17

90

143

69

144

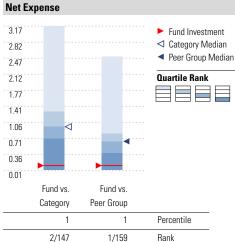
Tot Ret % Rank in Cat

# of Funds in Cat

Turnover %

Expense Ratio





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

• . • • • • • • • • • • • • • • • • • •			
	Fund	Bmark	Cat
Alpha	-0.95	_	0.28
Beta	0.98	_	1.05
R-Squared	98.61	_	87.94
Standard Deviation	6.98	7.11	7.99
Sharpe Ratio	-0.32	-0.19	-0.14
Tracking Error	0.84	_	2.84
Information Ratio	-1.08	_	0.02
Up Capture Ratio	89.68	-	106.65
Down Capture Ratio	100.05	-	104.19

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	15.44	15.03	15.59
Price/Book Ratio	2.27	2.39	2.36
Avg Eff Duration	7.02	6.45	4.23



4

176

12

68

171

25

8

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14

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178

4

49

150

4

11

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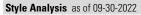
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## Vanguard LifeStrategy Income Inv VASIX

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

Morningstar US Con Tgt Alloc NR USD



Morningstar Style Box™

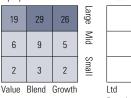


# 100

Asset Allocation as of 09-30-2022



## Style Breakdown Equity





19	29	Zb	ge
6	9	5	Mid
2	3	2	Small
'alue	Blend	Growth	
Veight 9	<b>%</b>		



		Fund	Bmark	Cat	Fund	▼	Bench	mark	Cate	gory Ave	erage	-	
<b>Ն</b>	Cyclical	34.88	33.64	32.78									
ů.	Basic Materials	4.80	4.01	3.08									
<b>A</b>	Consumer Cyclical	10.77	11.39	9.25				1					
	Financial Services	15.52	14.79	13.08									
æ	Real Estate	3.79	3.45	7.37		i [							_
M	Sensitive	41.76	42.27	41.73									
	Communication Services	7.47	6.95	6.62									
ð	Energy	4.85	4.99	7.22		_ [							
Ф	Industrials	10.72	10.36	9.92					Ė				
	Technology	18.72	19.97	17.97									
<b>→</b>	Defensive	23.37	24.08	25.49									
=	Consumer Defensive	7.31	7.42	6.99			'						
٠	Healthcare	12.91	13.58	12.71			- :	0					
•	Utilities	3.15	3.08	5.79		ĺ							

<b>Top 6 Holdings</b> as of 09-30-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
	_	55.28	55.28	_	_
	_	24.22	79.51	_	-
Vanguard Total Stock Mkt Idx Inv	_	11.43	90.93	_	-
Vanguard Total Intl Stock Index Inv	_	7.76	98.69	_	-
⊕ Mktliq 12/31/2049	-	1.28	99.98	-	-
<ul><li>⊖ Us Dollar</li></ul>	-	0.02	100.00	_	_

#### Total Holdings 6

⊕ Increase ⊕ Decrease 🕸 New to Portfolio



## Vanguard LifeStrategy Moderate Gr Inv VSMGX

Morningstar Category Allocation--50% to 70%

Morningstar Index

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.
- Style: The fund has landed in its primary style box Large Blend — 100 % of the time over the past three years.
- Net Expense: The fund's expense ratio of 0.13 is 87.38% lower than the Allocation--50% to 70% Equity category average.

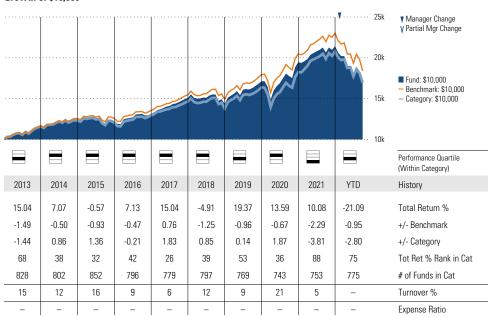
#### **Morningstar Investment Management LLC Analysis**

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	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	1-Low	02-15-2022

# Growth of \$10,000





3-Year Risk Metrics

/8	88	/66		708		ხეგ
Net Expe	ense					
4.92 4.37 3.83 3.28 2.73 2.19 1.64 1.09 0.55	✓ ····································	Fund vs		Ca     Pe     Pe	nd Inves ategory N eer Group tile Ranl	Median Median
(	Category	Peer Group	)			_
	1	4	1	Perce	ntile	_
	5/791	25/646	3	Rank		

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

	Fund	Bmark	Cat
Alpha	-1.30	-	-0.19
Beta	0.98	-	1.01
R-Squared	99.23	-	93.81
Standard Deviation	13.03	13.19	13.79
Sharpe Ratio	0.11	0.21	0.19
Tracking Error	1.16	-	3.33
Information Ratio	-1.18	-	-0.07
Up Capture Ratio	93.51	-	100.14
Down Capture Ratio	100.54	_	101.57

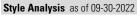
Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	15.53	15.39	15.85
Price/Book Ratio	2.29	2.51	2.63
Avg Eff Duration	7.02	6.45	5.02



## 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 09-30-2022 Asset Class Net % Cat% **US Stocks** 35.53 46.54 Non-US Stocks 22.83 9.57 38.43 Bonds 34.14 Cash 2.76 6 18 Other 0.44 3.56 50 100.00 Total 100.00

#### Cat Fund Bmark Fund Դ Cyclical 34.79 33.09 31.49 A Basic Materials 4.74 3.71 3.59 Ownership 75% of fund's current stock holdings Consumer Cyclical 10.78 11.45 10.46 Financial Services 15.47 14.48 侖 Real Estate 3.80 3 45 3 01 Style Breakdown Equity Fixed Income Quality 41.82 42.78 High **Communication Services** 7.46 7 08 7 49 19 26 • Energy 4.86 4.91 4.91 Μd Mid5 5 9 Ф Industrials 10.65 10.05 10.25 Low Technology 18.85 20.74 20.28 2 3 1 Defensive 23.38 24.12 25.60 Value Blend Growth Ltd Mod 7.30 Consumer Defensive 7.27 7.10 Duration 15.05 Healthcare 12.94 13.76 Weight % Utilities 3.14 3.09 3.45 >50 25-50 10-25 0-10 10 15 20 25 30 35 40 45

Sector Weighting as of 09-30-2022

<b>Top 6 Holdings</b> as of 09-30-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
O Vanguard Total Stock Mkt Idx Inv	_	36.10	36.10	_	_
○ Vanguard Total Bond Market II Idx Inv	-	27.04	63.15	_	-
⊕ Vanguard Total Intl Stock Index Inv	_	23.39	86.54	_	_
⊕ Vanguard Total Intl Bd II Idx Investor	_	12.14	98.68	_	_
⊕ Mktliq 12/31/2049	-	1.27	99.95	-	-
① Us Dollar	_	0.05	100.00	_	-

#### Total Holdings 6

⊕ Increase ⊝ Decrease 🕸 New to Portfolio



## Vanguard Mid-Cap Growth Index Admiral VMGMX

## Morningstar Category Mid-Cap Growth

#### Morningstar Index

Russell Mid Cap Growth TR USD

#### Portfolio Manager(s)

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

#### **Quantitative Screens**

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

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

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

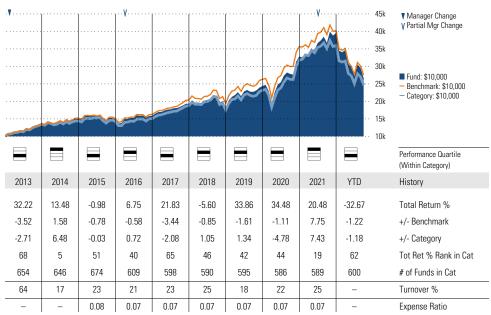
#### **Morningstar Investment Management LLC Analysis**

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

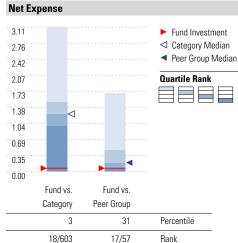
#### **ESG Metrics**

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

## Growth of \$10,000







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

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



# Vanguard Mid-Cap Growth Index Admiral VMGMX

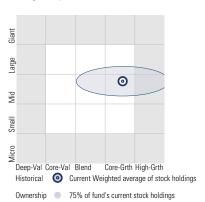
Morningstar Category

Mid-Cap Growth

Morningstar Index Russell Mid Cap Growth TR USD

## Style Analysis as of 09-30-2022

Morningstar Style Box™



## Style Breakdown

Equity

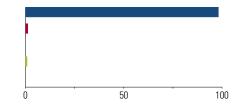
3	4	16	Large
3	32	42	MIN
0	0	0	SIIIdii

Value Blend Growth

Weight %

>50 25-50 10-25 0-10





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

		Fund	Bmark	Cat	Fund	▼ B	enchmark	[] Ca	ategor	/ Aver	age		
÷	Cyclical	26.25	25.90	28.48				· ·					
ì.	Basic Materials	3.87	2.90	2.50									
•	Consumer Cyclical	9.26	15.37	12.72			]						
<u></u>	Financial Services	5.55	5.63	9.78									
à	Real Estate	7.57	2.00	3.48									
UF.	Sensitive	55.77	54.51	48.04									
	Communication Services	6.10	4.82	3.34									
	Energy	5.27	4.69	2.97									
ž	Industrials	13.30	15.84	14.50									
1	Technology	31.10	29.16	27.23									
+	Defensive	17.99	19.59	23.47									
Ţ	Consumer Defensive	1.27	3.24	2.51	<b>=</b> [								
	Healthcare	16.72	16.04	20.24									
1	Utilities	0.00	0.31	0.72	i								

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

#### **Total Holdings** 181

⊕ Increase ⊝ Decrease 🕸 New to Portfolio



## Vanguard Mid-Cap Value Index Admiral VMVAX

Morningstar Category

■ Mid-Cap Value

Morningstar Index

Russell Mid Cap Value TR USD

#### Portfolio Manager(s)

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

#### Quantitative Screens

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

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

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

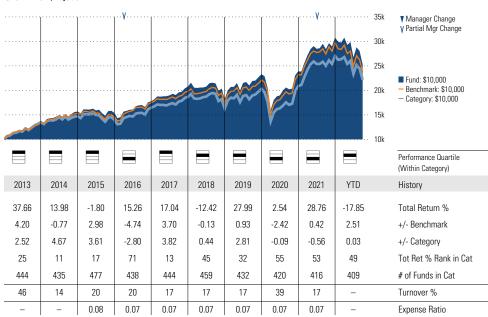
#### **Morningstar Investment Management LLC Analysis**

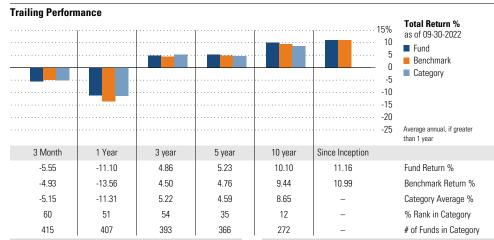
This fund passes all of Morningstar Investment
Management's quantitative screens. Morningstar
Investment Management has also assessed the fund from a
qualitative perspective and, as a fiduciary, is comfortable
recommending the fund's use in retirement plans.

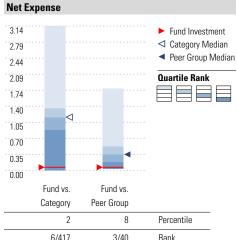
#### **ESG Metrics**

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

#### Growth of \$10,000







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

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



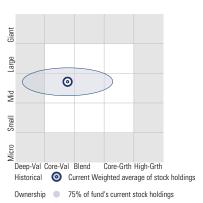
# Vanguard Mid-Cap Value Index Admiral VMVAX

## Morningstar Category Mid-Cap Value

#### **Morningstar Index** Russell Mid Cap Value TR USD

## Style Analysis as of 09-30-2022

Morningstar Style Box™



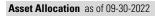
#### Style Breakdown

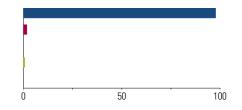
Equity

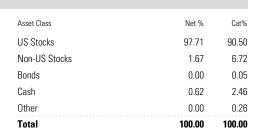
. ,			
5	9	0	Large
31	52	3	Mid
0	0	0	Small
Value	Blend	Growth	

Weight %

>50 25-50 10-25 0-10







		Fund	Bmark	Cat	Fund ▼ Benchmark [] Category Average
b	Cyclical	45.29	46.07	41.08	
	Basic Materials	5.71	5.87	5.82	
-	Consumer Cyclical	9.98	10.16	10.46	
ê	Financial Services	16.78	17.84	18.41	
b	Real Estate	12.82	12.20	6.39	
NF	Sensitive	27.27	33.19	33.83	
	Communication Services	2.62	3.59	3.06	
•	Energy	5.32	5.26	6.91	
þ	Industrials	10.94	14.35	15.16	
1	Technology	8.39	9.99	8.70	
÷	Defensive	27.44	20.72	25.09	
7	Consumer Defensive	6.85	4.43	6.92	
ř	Healthcare	7.90	7.39	11.57	
2	Utilities	12.69	8.90	6.60	

<b>Top 15 Holdings</b> as of 09-30-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
○ Corteva Inc     ○	1.28	1.28	21.79	Basic Materials
	1.20	2.48	-22.88	Real Estate
Arthur J. Gallagher & Co	1.15	3.63	1.82	Financial Services
Nucor Corp	1.11	4.74	-4.96	Basic Materials
⇒ Dollar Tree Inc	1.09	5.82	-3.15	Consumer Defensive
○ Consolidated Edison Inc	1.08	6.90	3.29	Utilities
Carrier Global Corp Ordinary Shares	1.05	7.96	-33.89	Industrials
→ VICI Properties Inc Ordinary Shares	1.01	8.96	2.82	Real Estate
→ WEC Energy Group Inc	1.00	9.97	-5.62	Utilities
→ M&T Bank Corp	0.98	10.94	17.15	Financial Services
→ International Flavors & Fragrances Inc	0.97	11.91	-38.12	Basic Materials
Eversource Energy	0.93	12.84	-12.21	Utilities
The Kroger Co     The	0.92	13.77	-1.83	Consumer Defensive
AvalonBay Communities Inc	0.92	14.68	-25.19	Real Estate
⊖ Rockwell Automation Inc	0.91	15.59	-37.37	Industrials

#### Total Holdings 203

⊕ Increase ⊝ Decrease 🕸 New to Portfolio



# Vanguard Real Estate Index Admiral VGSLX

Morningstar Category Real Estate Morningstar Index

S&P United States REIT TR USD

#### Portfolio Manager(s)

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

#### **Quantitative Screens**

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

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

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

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

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

#### **ESG Metrics**

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

## Growth of \$10,000







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

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



# Vanguard Real Estate Index Admiral VGSLX

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

S&P United States REIT TR USD

Style Analysis as of 09-30-2022

Morningstar Style Box™



## Style Breakdown

Equity

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

Value Blend Growth

Weight %

>50 25-50 10-25 0-10



Asset Allocation as of 09-30-2022

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

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

<b>Top 15 Holdings</b> as of 09-30-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Vanguard Real Estate II Index	11.71	11.71		_
American Tower Corp	7.39	19.09	-25.63	Real Estate
<ul><li>◆ Prologis Inc</li></ul>	5.87	24.96	-38.25	Real Estate
⊕ Crown Castle Inc	4.71	29.68	-28.64	Real Estate
Equinix Inc	3.81	33.49	-31.65	Real Estate
Public Storage	3.33	36.82	-16.71	Real Estate
① Realty Income Corp	2.62	39.43	-15.60	Real Estate
	2.23	41.67	-26.28	Real Estate
Welltower OP LLC	2.14	43.81	-22.88	Real Estate
Digital Realty Trust Inc	2.13	45.94	-41.86	Real Estate
Simon Property Group Inc	2.08	48.02	-40.63	Real Estate
AvalonBay Communities Inc	1.79	49.81	-25.19	Real Estate
① VICI Properties Inc Ordinary Shares	1.78	51.59	2.82	Real Estate
① Extra Space Storage Inc	1.70	53.29	-21.84	Real Estate
○ CBRE Group Inc Class A	1.64	54.93	-37.78	Real Estate

**Total Holdings** 171

⊕ Increase ⊕ Decrease 🕸 New to Portfolio



## Vanguard Total World Stock Index Admiral VTWAX

Morningstar Category Global Large-Stock Blend **Morningstar Index** MSCI ACWI NR USD

#### Portfolio Manager(s)

Christine Franquin since 02-2013 Scott Geiger since 11-2017

#### **Quantitative Screens**

Performance: The fund has finished in the Global Large-Stock Blend category's top three quartiles in 3 of the 3 years it's been in existence.

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

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

Net Expense: The fund's expense ratio of 0.1 is 89.69% lower than the Global Large-Stock Blend category average.

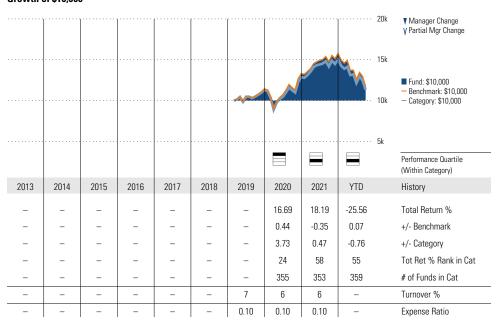
#### **Morningstar Investment Management LLC Analysis**

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

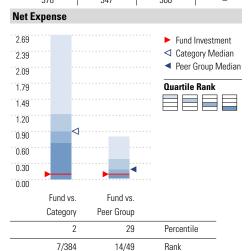
#### **ESG Metrics**

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

#### Growth of \$10,000







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

3-Year KISK Wetrics			
	Fund	Bmark	Cat
Alpha	0.07	_	-0.40
Beta	1.01	_	0.96
R-Squared	99.69	_	93.64
Standard Deviation	19.72	19.40	19.25
Sharpe Ratio	0.26	0.25	0.22
Tracking Error	1.13	-	4.83
Information Ratio	0.08	-	-0.14
Up Capture Ratio	101.33	-	96.21
Down Capture Ratio	101.13	-	98.19

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	15.12	14.51	15.47
Price/Book Ratio	2.29	2.27	2.37
Geom Avg Mkt Cap \$B	62.99	85.50	63.50
ROE	24.65	26.08	23.54

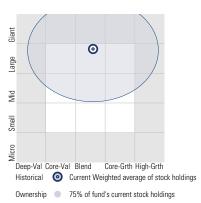


## Vanguard Total World Stock Index Admiral VTWAX

#### **Morningstar Category Morningstar Index** Global Large-Stock Blend MSCI ACWI NR USD

## Style Analysis as of 09-30-2022

Morningstar Style Box™



## Style Breakdown

Equity

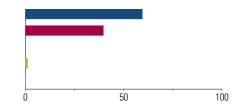
19	28	28	Laige
5	10	4	MIN
2	3	1	ollidii

Value Blend Growth

Weight %

>50 25-50 10-25 0-10

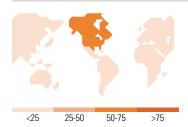
#### Asset Allocation as of 09-30-2022



Total	100.00	100.00
Other	0.03	0.95
Cash	1.02	1.46
Bonds	0.00	1.52
Non-US Stocks	39.57	38.69
US Stocks	59.38	57.38
Asset Class	Net %	Cat%

Sec	ctor Weighting as of 09-	30-2022			
		Fund	Bmark	Cat	Fund Fenchmark Category Average
<b>Դ</b>	Cyclical	35.25	34.31	32.03	
A.	Basic Materials	4.79	4.54	5.08	
<b>A</b>	Consumer Cyclical	11.28	11.20	10.26	
£	Financial Services	15.47	15.78	13.83	
æ	Real Estate	3.71	2.79	2.86	
M	Sensitive	42.27	41.71	41.93	
	Communication Services	7.13	7.48	6.46	
9	Energy	5.16	5.25	4.76	
¢	Industrials	10.69	9.59	14.25	
	Technology	19.29	19.39	16.46	
<b>→</b>	Defensive	22.48	23.97	26.04	
	Consumer Defensive	7.24	7.83	8.23	
٠	Healthcare	12.07	13.05	13.21	
•	Utilities	3.17	3.09	4.60	
					0% 5 10 15 20 25 30 35 40 4

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



Greater Asia	Fund % 18.86	Cat % 13.50
Japan	6.12	5.54
Australasia	2.21	1.24
Asia-4 Tigers	4.33	3.46
Asia-ex 4 Tigers	6.20	3.26
Not Classified	0.00	0.00

Americas	Fund % 64.20	Cat % 63.89	Greater Europe	Fund % 16.92	Cat % 22.61	Market Maturity	Fund %
North America	63.06	63.14	United Kingdom	3.89	6.21	Developed Markets	91.57
Central/Latin	1.14	0.75	W euro-ex UK	11.27	15.99	Emerging Markets	8.43
			Emrgng Europe	0.17	0.02	Not Available	0.00
			Africa	1.59	0.39		

<b>Top 10 Holdings</b> as of 09-30-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Apple Inc	3.71	3.71	-21.79	Technology
	3.02	6.72	-30.20	Technology
⊕ Amazon.com Inc	1.74	8.46	-32.22	Consumer Cyclical
⊕ Tesla Inc	1.08	9.55	-24.70	Consumer Cyclical
⊕ Alphabet Inc Class A	1.00	10.55	-33.97	Communication Svc
⊕ Alphabet Inc Class C	0.93	11.47	-33.54	Communication Svc
⊕ UnitedHealth Group Inc	0.75	12.22	1.52	Healthcare
⊕ Johnson & Johnson	0.66	12.88	-2.57	Healthcare
⊕ Berkshire Hathaway Inc Class B	0.63	13.51	-10.70	Financial Services
⊕ Exxon Mobil Corp	0.62	14.13	47.00	Energy

#### Total Holdings 9464

⊕ Increase ⊖ Decrease 🕸 New to Portfolio

