# American Funds New Perspective R6 RNPGX

Morningstar Category Global Large-Stock Growth

Morningstar Index MSCI ACWI NR USD

# Portfolio Manager(s)

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

#### **Quantitative Screens**

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

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

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

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

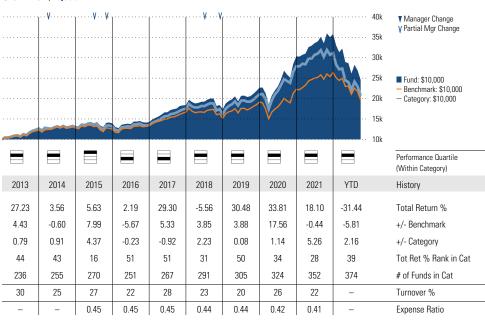
### **Morningstar Investment Management LLC Analysis**

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

# **ESG Metrics**

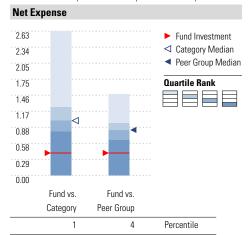
Metric	Rating	Updated
Sustainability Rating	2	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	2-Basic	02-15-2022

# Growth of \$10,000



# **Trailing Performance**





10/253 Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

Rank

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

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



4/381

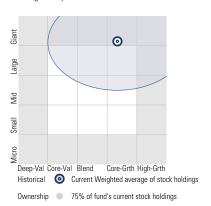
# American Funds New Perspective R6 RNPGX

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

# MSCI ACWI NR USD

# Style Analysis as of 09-30-2022

Morningstar Style Box™



### Style Breakdown

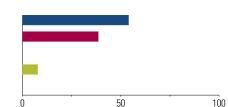
Equity

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

Value Blend Growth

Weight %

>50 25-50 10-25 0-10



Asset Allocation as of 09-30-2022

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

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

# World Regions % Equity 09-30-2022



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

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

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

# Total Holdings 300

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



# American Funds New World R6 RNWGX

# Morningstar CategoryMorningstar IndexDiversified Emerging MktsMSCI EM NR USD

# Portfolio Manager(s)

Carl Kawaja since 06-1999
Robert Lovelace since 06-1999
Nicholas Grace since 01-2008
Christopher Thomsen since 01-2009
Winnie Kwan since 01-2009
Tomonori Tani since 10-2013
Jonathan Knowles since 01-2016
Bradford Freer since 01-2017
Akira Shiraishi since 01-2017
Lisa Thompson since 10-2019
Kirstie Spence since 12-2019
Dawid Justus since 01-2020

#### **Quantitative Screens**

Piyada Phanaphat since 01-2020

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

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

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

### **ESG Metrics**

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







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

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

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





# American Funds New World R6 RNWGX

# Morningstar CategoryMorningstar IndexDiversified Emerging MktsMSCI EM NR USD

# Style Analysis as of 09-30-2022

Morningstar Style Box™



# Style Breakdown

Equity

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

Value Blend Growth

Weight %

>50 25-50 10-25 0-10



50

Asset Allocation as of 09-30-2022

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

100.00

100.00

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

100

Total

# World Regions % Equity 09-30-2022



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

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

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

# Total Holdings 582



# **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



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	0.35	_	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



# **Delaware Small Cap Value R6** DVZRX

Morningstar Category

Small Value

Morningstar Index Russell 2000 Value TR USD

# Portfolio Manager(s)

Steven Catricks since 07-2012 Kelley Carabasi since 07-2012 Kent Madden since 07-2012 Michael Foley since 07-2019

# **Quantitative Screens**

- Performance: The fund has finished in the Small Value category's top three quartiles in 6 of the 6 years it's been in existence.
- Management: The fund's management has been in place for 10.25 years.
- Net Expense: The fund's expense ratio of 0.69 is 40% lower than the Small Value category average.

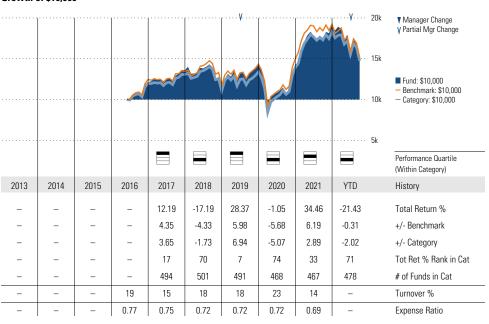
### **Morningstar Investment Management LLC Analysis**

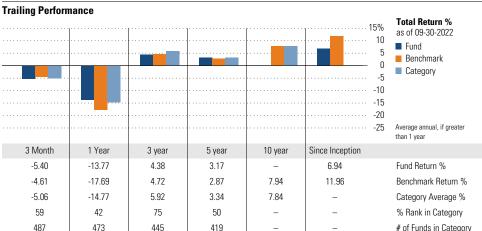
This fund passes all of Morningstar Investment
Management's quantitative screens. Morningstar
Investment Management has also assessed the fund from a
qualitative perspective and, as a fiduciary, is comfortable
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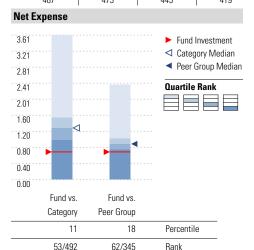
#### **ESG Metrics**

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

### 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 Metrics			
	Fund	Bmark	Cat
Alpha	-0.14	_	0.96
Beta	0.98	_	0.99
R-Squared	95.66	-	94.89
Standard Deviation	26.64	26.48	26.98
Sharpe Ratio	0.27	0.28	0.31
Tracking Error	5.57	_	6.33
Information Ratio	-0.06	_	0.12
Up Capture Ratio	97.51	_	99.47
Down Capture Ratio	98.29	_	97.32

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	10.92	8.44	9.93
Price/Book Ratio	1.65	1.16	1.45
Geom Avg Mkt Cap \$B	4.26	1.65	3.37
ROE	16.45	7.02	16.19



# **Delaware Small Cap Value R6** DVZRX

# 

Morningstar Index

Russell 2000 Value TR USD

# Style Analysis as of 09-30-2022

Morningstar Style Box™



# Style Breakdown

Equity

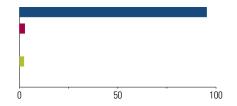
-quit,			
1	0	0	Large
11	11	2	Mid
32	42	1	Small

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	2.20	2.08
Bonds	0.00	0.03
Non-US Stocks	2.61	2.90
US Stocks	95.19	94.97
Asset Class	Net %	Cat%

		Fund	Bmark	Cat	Fund • Benchmark [] Category Average
b	Cyclical	51.41	53.08	50.26	
i.	Basic Materials	4.37	3.36	5.71	
4	Consumer Cyclical	10.31	9.92	12.73	
£	Financial Services	28.67	26.51	24.49	
ŧ	Real Estate	8.06	13.29	7.33	
MI	Sensitive	37.85	26.23	35.83	(a)
	Communication Services	1.30	2.88	1.93	
•	Energy	6.95	5.32	6.56	
<b>Ģ</b>	Industrials	18.38	11.49	18.02	
1	Technology	11.22	6.54	9.32	
<b>→</b>	Defensive	10.75	20.70	13.92	
	Consumer Defensive	2.67	3.44	4.24	
٠	Healthcare	3.90	12.22	6.43	
•	Utilities	4.18	5.04	3.25	

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Ivaille	/// INEL ASSET	Guindiative /0	TTD HetaIII /0	Morningstal Sector
East West Bancorp Inc	2.81	2.81	-13.14	Financial Services
Webster Financial Corp	2.56	5.36	-16.91	Financial Services
Hancock Whitney Corp	2.17	7.54	-6.80	Financial Services
Stifel Financial Corp	2.16	9.70	-25.01	Financial Services
MasTec Inc	2.13	11.82	-31.19	Industrials
WESCO International Inc	2.05	13.87	-9.28	Industrials
Western Alliance Bancorp	1.99	15.87	-37.95	Financial Services
Louisiana-Pacific Corp	1.78	17.65	-33.82	Industrials
F N B Corp	1.68	19.32	-1.40	Financial Services
Umpqua Holdings Corp	1.57	20.89	-7.90	Financial Services
Magnolia Oil & Gas Corp Class A	1.48	22.37	6.57	Energy
Valley National Bancorp	1.47	23.84	-19.05	Financial Services
Berry Global Group Inc	1.45	25.30	-36.93	Consumer Cyclical
Atkore Inc	1.45	26.75	-30.02	Industrials
Black Hills Corp	1.41	28.15	-1.49	Utilities

**Total Holdings** 105



# Eaton Vance Income Fund of Boston R6 EIBRX

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

# Portfolio Manager(s)

Stephen Concannon since 11-2014 Jeffrey Mueller since 06-2019 Kelley Baccei Gerrity since 06-2019

#### **Quantitative Screens**

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

Management: The fund's management has been in place for 7.91 years.

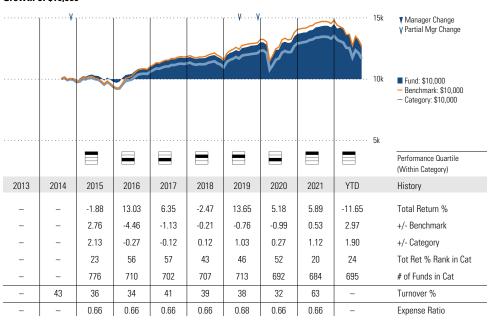
Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 0.66 is 26.67% lower than the High Yield Bond category average.

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

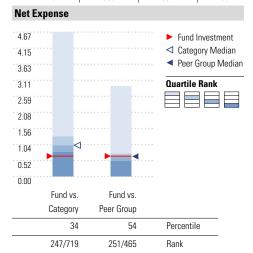
This fund passes all of Morningstar Investment
Management's quantitative screens. Morningstar
Investment Management has also assessed the fund from a
qualitative perspective and, as a fiduciary, is comfortable
recommending the fund's use in retirement plans.

# Growth of \$10,000



#### **Trailing Performance Total Return %** as of 09-30-2022 Fund Benchmark Category Average annual, if greater than 1 year 3 Month 1 Year 3 year 10 year Since Inception 5 year Fund Return % -0.17 -10.790.21 1.81 2.89 -0.68 -14.06 -0.67 1.41 3.86 7.47 Benchmark Return % -0.85 -13 13 -0.83 0.94 3.06 Category Average % 22 22 26 22 % Rank in Category

582



685

637

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	0.76	_	-0.22
Beta	0.90	_	0.95
R-Squared	98.82	_	95.19
Standard Deviation	10.12	11.14	10.79
Sharpe Ratio	0.01	-0.06	-0.07
Tracking Error	1.54	_	2.50
Information Ratio	0.57	_	-0.16
Up Capture Ratio	91.10	_	91.62
Down Capture Ratio	84.94	_	93.77

# of Funds in Category

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



716

# Eaton Vance Income Fund of Boston R6 EIBRX

**Morningstar Category** Morningstar Index High Yield Bond

ICE BofA US High Yield TR USD





Credit Rating Breakdown	Fund	Bmark	Cat
AAA	0.00	_	1.75
AA	0.00	_	0.05
A	0.00	_	0.19
BBB	1.97	_	4.19
BB	45.29	_	35.65
В	38.35	_	37.64
Below B	9.71	_	18.17
Not Rated	4.68	_	2.36

Sector Weighting as of 09-3	30-2022				
	Fund	Bmark	Cat	Fund • Benchmark [] Category Average	
Government	0.00	_	2.39		
Treasury	0.00	_	0.69		
Inflation – Protected	0.00	_	0.01		
Agency/Quasi Agency	0.00	_	0.12		
Other Government Related	0.00	_	1.57		
Corporate	95.62	_	88.30		
Corporate Bond	90.59	_	81.83		
Bank Loan	3.74	_	5.20		
Convertible	0.49	_	1.18		
Preferred	0.80	_	0.09		
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		
Non-Agency Residential MBS	0.00	_	0.14		
Commercial MBS	0.00	_	0.61		
Asset-Backed	0.00	_	1.04		
Covered Bond	0.00	_	0.00		
Municipal	0.00	-	0.03		
Cash & Equivalents	4.38	-	6.13		
Other	0.00	-	1.08		

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

<b>Top 10 Holdings</b> as of 09-30-2022				
Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
Msilf Government Portfolio Msilf Government Portfolio	12-2030	4.19	4.19	_
Option on Peninsula Gaming Partners (Unit)	12-2049	2.64	6.82	-
CCO Holdings, LLC/ CCO Holdings Capital Corp. 4.5%	08-2030	0.83	7.66	-
⊕ Mozart Debt Merger Subordinated Inc. 5.25%	10-2029	0.64	8.29	-
Neptune Energy Bondco PLC 6.625%	05-2025	0.63	8.93	_
SRM Escrow Issuer Llc 6%	11-2028	0.58	9.51	_
⊕ Sprint Capital Corporation 6.875%	11-2028	0.57	10.09	_
Rolls-Royce PLC 5.75%	10-2027	0.55	10.64	-
WESCO International Inc 10.625% PRF PERPETUAL USD 25 - Ser A 1/1000 Dep Sh	12-2049	0.53	11.17	-
Centene Corporation 3.375%	02-2030	0.52	11.69	_

**Total Holdings 448** 



# 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.

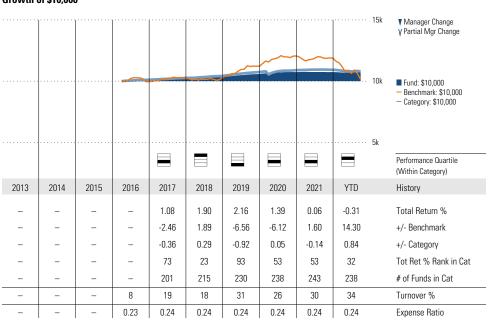
Style Consistency is not calculated for Fixed Income funds.

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

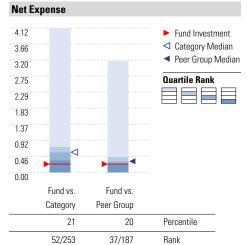
# **Morningstar Investment Management LLC Analysis**

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







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

3- Tear hisk Wietrics			
	Fund	Bmark	Cat
Alpha	0.68	_	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



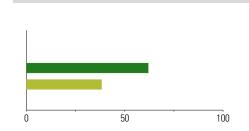
# Federated Hermes Govt Ultrashort R6 FGULX

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



# Franklin Small Cap Growth R6 FSMLX

**Morningstar Category** Small Growth

Morningstar Index

Russell 2000 Growth TR USD

# Portfolio Manager(s)

Michael McCarthy since 05-2000 Bradley Carris since 03-2004

### **Quantitative Screens**

Performance: The fund has finished in the Small Growth category's top three quartiles in 8 of the 9 years it's been in existence.

Management: The fund's management has been in place for 22.43 years.

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

Net Expense: The fund's expense ratio of 0.64 is 46.22% lower than the Small Growth category average.

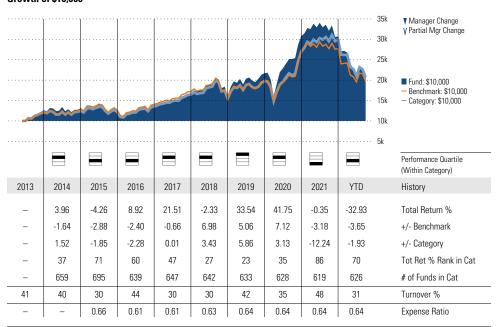
### **Morningstar Investment Management LLC Analysis**

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 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



# **Trailing Performance**



#### **Net Expense** 6.02 Fund Investment Category Median 5.35 Peer Group Median 4.68 4.01 Quartile Rank 3.34 2.68 2.01 1.34 n nn Fund vs Fund vs Peer Group Category 6 12 Percentile

	34/640	58/491	Rank		
Peer grou	p is a subset of	the category an	d includes fund	s with the	
same management style (active vs. passive) and similar share class					
character	istics.				

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	-0.94	-	2.14
Beta	0.99	-	0.95
R-Squared	93.00	-	91.07
Standard Deviation	26.72	25.97	26.02
Sharpe Ratio	0.17	0.21	0.28
Tracking Error	7.08	-	7.98
Information Ratio	-0.17	_	0.25
Up Capture Ratio	97.78	-	99.82
Down Capture Ratio	101.25	_	94.40

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	10.82	13.92	20.21
Price/Book Ratio	2.60	3.41	3.60
Geom Avg Mkt Cap \$B	2.81	2.37	4.40
ROE	2.40	10.03	15.28



# Franklin Small Cap Growth R6 FSMLX

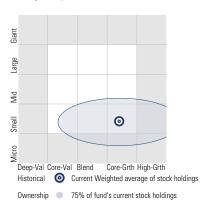
# Morningstar Category Small Growth

Morningstar Index

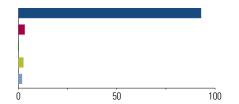
Russell 2000 Growth TR USD

# Style Analysis as of 09-30-2022

Morningstar Style Box™



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



Total	100.00	100.00
Other	1.70	0.37
Cash	2.41	2.96
Bonds	0.04	0.01
Non-US Stocks	3.04	4.23
US Stocks	92.81	92.44
Asset Class	Net %	Cat%

# Style Breakdown

Equity

-quit,			
0	0	0	Large
1	5	9	Mid
10	39	36	Small
Value	Blend	Growth	

value biella

Weight %

>50 25-50 10-25 0-10

		Fund	Bmark	Cat	Func	1	• Ron	chmark	. Inc.	ntogon	Avera	70			
ղ.	Cyclical	27.02	22.42	26.13	Turic		Dell	Cilliair	.    0	Tegory	Avera	je :			
	•					¥				- 1					
	Basic Materials	1.72	4.64	2.94			, .								
A	Consumer Cyclical	16.75	9.56	10.91											
ı,	Financial Services	6.18	6.09	9.44											
俞	Real Estate	2.37	2.13	2.84											
W	Sensitive	41.44	45.97	45.90											
	Communication Services	0.08	2.30	2.05	[										
•	Energy	1.83	6.53	3.69											
Ф	Industrials	15.80	16.49	16.99											
	Technology	23.73	20.65	23.17						0					
<b>-</b>	Defensive	31.53	31.62	27.98											
Ħ	Consumer Defensive	6.52	4.53	4.67						i i					
+	Healthcare	25.01	25.17	22.34											
•	Utilities	0.00	1.92	0.97	[]										
7	Ounties	0.00	1.02		0%	5	10	15	20	25	30	35	40	_	45

<b>Top 15 Holdings</b> as of 09-30-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Franklin IFT Money Market	2.63	2.63	_	_
□ RBC Bearings Inc	1.85	4.48	2.89	Industrials
Paycor HCM Inc	1.78	6.26	_	Technology
Performance Food Group Co	1.68	7.94	-6.41	Consumer Defensive
Inspire Medical Systems Inc	1.65	9.59	-22.90	Healthcare
HealthEquity Inc	1.64	11.23	51.83	Healthcare
PTC Therapeutics Inc	1.64	12.87	26.04	Healthcare
Univar Solutions Inc	1.63	14.50	-19.79	Basic Materials
BWX Technologies Inc	1.57	16.06	6.58	Industrials
	1.57	17.63	8.79	Industrials
Lattice Semiconductor Corp	1.55	19.18	-36.14	Technology
Red Rock Resorts Inc A	1.50	20.69	-36.36	Consumer Cyclical
Rexford Industrial Realty Inc	1.48	22.17	-34.72	Real Estate
Flywire Corp	1.46	23.63	-39.67	Technology
Texas Roadhouse Inc	1.45	25.08	-0.72	Consumer Cyclical

**Total Holdings** 126



# MFS Growth R6 MFEKX

# Portfolio Manager(s)

Eric Fischman since 04-2002 Paul Gordon since 07-2017 Bradford Mak since 06-2021

#### **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

Management: The fund's management has been in place for 20.51 years.

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

Net Expense: The fund's expense ratio of 0.49 is 48.96% 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	4	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	2-Basic	02-15-2022

# **Morningstar Category**

Morningstar Index Russell 1000 Growth TR USD

55k

50k

45k 40k 35k

30k

25k

20k 15k

Large Growth

▼ Manager Change V Partial Mgr Change

■ Fund: \$10,000

Expense Ratio

- Category: \$10,000
3.7.7.7.

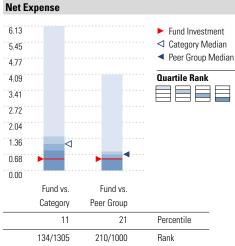
										Performance Quartile (Within Category)
2013	2014	2015	2016	2017	2018	2019	2020	2021	YTD	History
36.74	8.88	7.49	2.55	30.99	2.68	37.81	31.74	23.76	-33.60	Total Return %
3.26	-4.17	1.82	-4.53	0.78	4.19	1.42	-6.75	-3.84	-2.94	+/- Benchmark
2.82	-1.12	3.89	-0.68	3.32	4.77	5.91	-4.12	3.31	-1.51	+/- Category
21	65	18	54	28	11	10	56	40	65	Tot Ret % Rank in Cat
1,569	1,427	1,493	1,324	1,259	1,294	1,246	1,238	1,251	1,274	# of Funds in Cat
32	33	35	24	21	18	11	27	14	_	Turnover %

#### **Trailing Performance Total Return %** 15% as of 09-30-2022 10 ■ Fund Benchmark Category -10 -15 -20 -25 -30 Average annual, if greater than 1 year 3 Month 1 Year 10 year Since Inception 3 year 5 year Fund Return % -6.09 -28.22 5.52 10.29 12.65 13.45 10.67 Benchmark Return % -3.60 -22.59 12.17 13.70 11.36 -4.09 -27 10 6 77 8 95 11.36 Category Average % 86 63 68 29 22 % Rank in Category 1.303 1.256 1.146 1.067 795 # of Funds in Category

0.56

0.53

0.48



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	-4.21	_	-3.29
Beta	0.93	_	0.97
R-Squared	98.13	_	93.15
Standard Deviation	21.79	23.13	23.33
Sharpe Ratio	0.32	0.52	0.37
Tracking Error	3.35	_	6.09
Information Ratio	-1.53	_	-0.78
Up Capture Ratio	87.11	_	88.47
Down Capture Ratio	99.67	-	97.94

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	30.89	23.78	23.27
Price/Book Ratio	6.92	8.32	6.18
Geom Avg Mkt Cap \$B	237.89	240.14	266.70
ROE	33.97	41.06	37.20



Growth of \$10,000

0.62

0.61

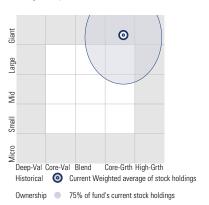
0.59

0.57

# MFS Growth R6 MFEKX

# Style Analysis as of 09-30-2022

Morningstar Style Box™



# Style Breakdown

Equity

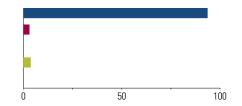
0	21	68	Laige
0	8	3	IVIIO
0	0	0	ollidii

Value Blend Growth

Weight %

>50 25-50 10-25 0-10

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



Total	100.00	100.00
Other	0.00	0.37
Cash	3.54	2.00
Bonds	0.00	0.01
Non-US Stocks	2.90	4.27
US Stocks	93.56	93.35
Asset Class	Net %	Cat%

**Morningstar Index** 

Russell 1000 Growth TR USD

**Morningstar Category** 

Large Growth

Sec	ctor Weighting as of 09-	30-2022			
		Fund	Bmark	Cat	Fund • Benchmark [ Category Average
<u></u>	Cyclical	29.51	25.91	28.66	
A	Basic Materials	3.41	1.20	1.51	
A	Consumer Cyclical	10.46	16.68	15.69	
<del>,</del>	Financial Services	13.35	6.40	9.74	
<b>fi</b>	Real Estate	2.29	1.63	1.72	
W	Sensitive	51.64	55.67	51.49	
	Communication Services	10.68	7.45	9.75	
•	Energy	0.96	1.56	2.32	
Ф	Industrials	5.87	7.55	6.05	
	Technology	34.13	39.11	33.37	
<b>-</b>	Defensive	18.84	18.43	19.86	
Ħ	Consumer Defensive	3.20	6.26	4.32	
+	Healthcare	15.64	12.11	14.94	
•	Utilities	0.00	0.06	0.60	
					0% 5 10 15 20 25 30 35 40 45 50 55 60

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Microsoft Corp	11.91	11.91	-30.20	Technology
Amazon.com Inc	7.28	19.19	-32.22	Consumer Cyclical
Alphabet Inc Class A	5.79	24.98	-33.97	Communication Svc
Apple Inc	5.57	30.55	-21.79	Technology
€ Currency Cash CASH_USD	3.54	34.10	_	_
Mastercard Inc Class A	3.42	37.52	-20.46	Financial Services
Adobe Inc	3.14	40.65	-51.47	Technology
Visa Inc Class A	2.91	43.57	-17.50	Financial Services
Danaher Corp	2.64	46.21	-21.27	Healthcare
Intuit Inc	2.55	48.75	-39.47	Technology
Thermo Fisher Scientific Inc	2.42	51.18	-23.85	Healthcare
NVIDIA Corp	1.88	53.05	-58.69	Technology
MSCI Inc	1.83	54.88	-30.61	Financial Services
Alphabet Inc Class C	1.75	56.64	-33.54	Communication Svc
Abbott Laboratories	1.70	58.34	-30.25	Healthcare

Total Holdings 70



# MFS Mid Cap Growth R6 OTCKX

Morningstar Category

Mid-Cap Growth

Morningstar Index

Russell Mid Cap Growth TR USD

# Portfolio Manager(s)

Eric Fischman since 11-2008 Paul Gordon since 05-2011 Eric Braz since 06-2021

#### **Quantitative Screens**

Q Performance: The fund has finished in the Mid-Cap
 Growth category's top three quartiles in 9 of the 9 years it's been in existence.

Management: The fund's management has been in place for 13.87 years.

Net Expense: The fund's expense ratio of 0.65 is 38.1% 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**

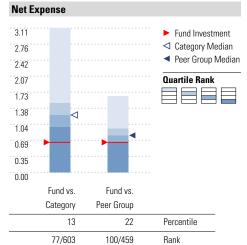
Metric	Rating	Updated
Sustainability Rating	5	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	2-Basic	02-15-2022

# Growth of \$10,000



#### **Trailing Performance Total Return %** 15% as of 09-30-2022 10 ■ Fund Benchmark Category -10 -15 -20 -25 -30 -35 Average annual, if greater than 1 year 3 Month 1 Year 10 year Since Inception 3 year 5 year Fund Return % -4.10 -29.11 3.35 8.76 11.64 -0.65 -29.50 4.26 7.62 10.85 10.43 Benchmark Return % -29 18 5 10 7 27 -1.83 10.14 Category Average % 80 52 71 23 % Rank in Category

494



585

535

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	-0.57	_	0.85
Beta	0.90	_	0.99
R-Squared	94.78	_	91.53
Standard Deviation	22.43	24.18	25.14
Sharpe Ratio	0.23	0.26	0.28
Tracking Error	5.64	_	7.20
Information Ratio	-0.16	_	-0.02
Up Capture Ratio	94.24	_	100.98
Down Capture Ratio	96.64	_	99.49

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	31.53	22.23	24.18
Price/Book Ratio	4.60	5.66	3.64
Geom Avg Mkt Cap \$B	19.61	18.22	14.41
ROE	23.70	25.45	18.11



# of Funds in Category

602

# MFS Mid Cap Growth R6 OTCKX

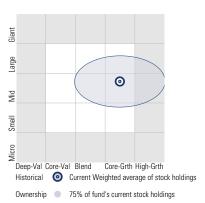
# Morningstar Category Mid-Cap Growth

Morningstar Index

Russell Mid Cap Growth TR USD

# Style Analysis as of 09-30-2022

Morningstar Style Box™



# Style Breakdown

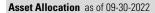
Equity

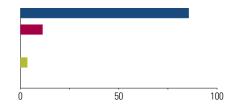
. ,			
0	7	22	Large
1	39	22	Mid
1	6	1	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10





Total	100.00	100.00
Other	0.00	0.33
Cash	3.35	3.50
Bonds	0.00	0.07
Non-US Stocks	11.14	3.96
US Stocks	85.51	92.12
Asset Class	Net %	Cat%

		Fund	Bmark	Cat	Fund	▼ Be	nchmar	kΠ	Cated	gory Av	verage		
Ն	Cyclical	32.51	25.90	28.48					1				
A.	Basic Materials	2.00	2.90	2.50									
Д	Consumer Cyclical	15.58	15.37	12.72									
<del>,</del>	Financial Services	9.87	5.63	9.78	1								
À	Real Estate	5.06	2.00	3.48									
M	Sensitive	47.86	54.51	48.04									'
₫	Communication Services	3.82	4.82	3.34									
ð	Energy	1.90	4.69	2.97									
Ф	Industrials	16.21	15.84	14.50		- :							
	Technology	25.93	29.16	27.23									
<b>-</b>	Defensive	19.62	19.59	23.47									
=	Consumer Defensive	1.01	3.24	2.51									
٠	Healthcare	18.61	16.04	20.24				[					
•	Utilities	0.00	0.31	0.72	il i								

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Cadence Design Systems Inc	3.53	3.53	-12.30	Technology
⊕ Currency Cash CASH_USD	3.34	6.87	_	_
Monolithic Power Systems Inc	3.23	10.11	-25.88	Technology
Arthur J. Gallagher & Co	2.84	12.94	1.82	Financial Services
PerkinElmer Inc	2.76	15.70	-40.05	Healthcare
MSCI Inc	2.69	18.39	-30.61	Financial Services
Steris PLC	2.36	20.75	-31.14	Healthcare
Verisk Analytics Inc	2.35	23.11	-25.04	Industrials
AMETEK Inc	2.18	25.28	-22.42	Industrials
Extra Space Storage Inc	2.06	27.34	-21.84	Real Estate
Vulcan Materials Co	1.93	29.27	-23.45	Basic Materials
Nasdaq Inc	1.92	31.19	-18.20	Financial Services
Synopsys Inc	1.91	33.10	-17.09	Technology
Icon PLC	1.83	34.93	-40.66	Healthcare
O'Reilly Automotive Inc	1.78	36.71	-0.41	Consumer Cyclical

**Total Holdings 92** 



# **PGIM Global Total Return R6** PGTQX

#### Morningstar Category Global Bond

#### **Morningstar Index** Bloomberg Gbl Agg Ex USD TR USD

# Portfolio Manager(s)

Robert Tipp since 09-2002 Matthew Angelucci since 10-2018 Brett Bailey since 09-2021 Gregory Peters since 07-2022

# **Quantitative Screens**

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

Management: The fund's management has been in place for 20.01 years.

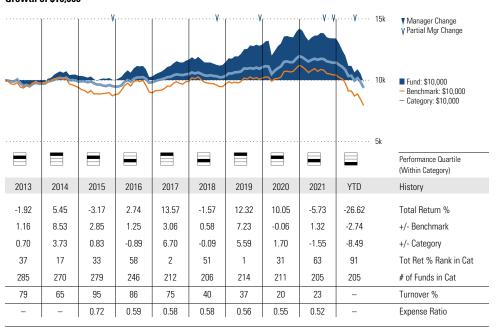
Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 0.52 is 40.23% lower than the Global Bond category average.

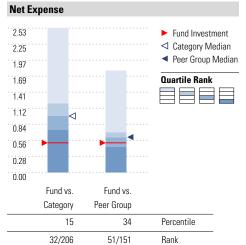
# **Morningstar Investment Management LLC Analysis**

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

### Growth of \$10,000







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

3-Year Kisk Metrics			
	Fund	Bmark	Cat
Alpha	0.57	-	1.00
Beta	1.13	_	0.87
R-Squared	80.07	-	78.79
Standard Deviation	10.69	8.48	8.35
Sharpe Ratio	-0.81	-0.97	-0.78
Tracking Error	4.89	-	4.24
Information Ratio	-0.12	-	0.44
Up Capture Ratio	127.43	-	99.86
Down Capture Ratio	116.84	_	86.90

Portfolio Metrics			
	Fund	Bmark	Cat
Avg Eff Duration	7.30	-	6.06
Avg Eff Maturity	7.03	-	8.65



# **PGIM Global Total Return R6** PGTQX

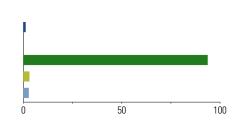
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Asset Allocation as of 09-30-2022

Morningstar Index

Bloomberg Gbl Agg Ex USD TR USD





Asset Class	Net %	Cat%
US Stocks	0.97	0.15
Non-US Stocks	0.00	0.03
Bonds	93.60	109.55
Cash	2.88	-16.25
Other	2.55	6.53
Total	100.00	100.00

**Morningstar Category** 

Global Bond

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	16.25	_	36.68
AA	8.78	_	11.51
A	15.24	_	18.06
BBB	32.46	_	20.73
BB	14.85	_	8.55
В	5.54	_	2.74
Below B	1.64	_	1.13
Not Rated	5.24	_	0.60

	Fund	Bmark	Cat	Fund	• Bo	enchmai	r II c	ategory	, Avor	200			
•				ruliu	, DE	Hichilia	K UC	ategory	Avei	iye			: n
Government	25.56	-	58.06										
Treasury	17.94	_	34.48						U				
Inflation – Protected	0.03	-	2.41	[									
Agency/Quasi Agency	5.96	-	3.43										
Other Government Related	1.63	_	17.74										
Corporate	27.74	-	14.59										
Corporate Bond	25.10	_	13.10		1								
Bank Loan	0.92	_	0.41	0									
Convertible	1.72	_	1.05	0									
Preferred	0.00	_	0.03	ĺ									
Securitized	14.40	-	6.73										
Agency MBS Pass-Through	0.00	_	3.08	10									
Agency MBS ARM	0.00	_	0.00										
Agency MBS CMO	2.10	_	0.90	n)m									
Non-Agency Residential MBS	0.17	_	0.23										
Commercial MBS	3.16	_	0.59	()=									
Asset-Backed	8.97	_	1.75										
Covered Bond	0.00	_	0.18										
Municipal	0.10	_	0.07										
Cash & Equivalents	4.37	_	7.12										
Other	27.20	_	13.32										
				0% 5	10	15 2	0 25	30	35	40	45	50	55 60

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
Usd/Gbp Fwd 20221019 2568	10-2022	7.35	7.35	_
Gbp/Usd Fwd 20221019 2568	10-2022	7.17	14.52	_
⊕ Usd/Cnh Fwd 20221123 Barcus33	11-2022	4.14	18.66	_
⊕ Cnh/Usd Fwd 20221123 Barcus33	11-2022	4.07	22.73	_
Usd/Jpy Fwd 20221019 Bnpafrpp	10-2022	3.10	25.83	-
Jpy/Usd Fwd 20221019 Bnpafrpp	10-2022	3.06	28.88	_
⊕ Swap Vm Citi Usd	12-2060	2.92	31.80	_
⊕ Usd/Eur Fwd 20221019 Scseus31	10-2022	2.56	34.36	_
⊕ Eur/Usd Fwd 20221019 Scseus31	10-2022	2.51	36.87	_
Italy (Republic Of) 6%	08-2028	2.23	39.09	_

Total Holdings 1756



# PIMCO Commodity Real Ret Strat Instl PCRIX

**Morningstar Category** Commodities Broad Basket Morningstar Index

Bloomberg Commodity TR USD

# Portfolio Manager(s)

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

#### **Quantitative Screens**

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

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

Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 0.76 is 26.92% lower than the Commodities Broad Basket category average.

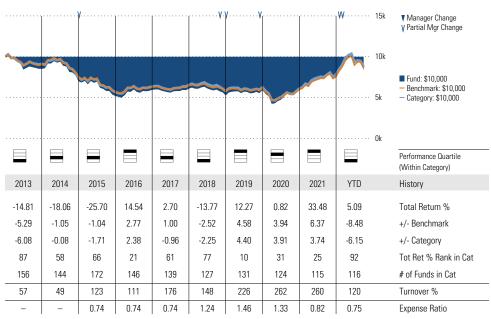
### **Morningstar Investment Management LLC Analysis**

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

#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	08-31-2022

# Growth of \$10,000



#### **Trailing Performance Total Return %** as of 09-30-2022 Fund Benchmark Category Average annual, if greater than 1 year 3 Month 1 Year 10 year Since Inception 3 year 5 year -8.58 4.81 14.52 7.60 -2.373.91 Fund Return % -4.11 11.80 13.45 6.96 -2.14 2.80 Benchmark Return % -6.81 12.60 13 65 7 14 -1 83 Category Average % 72 95 36 38 71 % Rank in Category 117 115 109 92 66 # of Funds in Category

Net Exp	ense		
3.08			► Fund Investment
2.74			Category Median
2.40			<ul> <li>Peer Group Median</li> </ul>
2.05			Quartile Rank
1.71			
1.37			
1.03			
0.68			
0.34			
0.00			
	Fund vs.	Fund vs.	
	Category	Peer Group	
-	37	56	Percentile

44/117	39/70	Rank						
Peer group is a subset of t	he category an	d includes fund	ds with the					
same management style (active vs. passive) and similar share class								
characteristics								

3- Teal hisk wiellics			
	Fund	Bmark	Cat
Alpha	-0.72	_	0.25
Beta	1.17	_	1.03
R-Squared	95.96	_	86.02
Standard Deviation	22.45	18.76	21.13
Sharpe Ratio	0.69	0.73	0.70
Tracking Error	5.55	_	7.77
Information Ratio	0.19	_	0.08
Up Capture Ratio	113.17	_	102.21
Down Capture Ratio	115.56	-	102.72

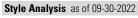
Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	12.32	_	8.51
Price/Book Ratio	1.51	-	1.62
Geom Avg Mkt Cap \$B	20.09	-	29.32
ROE	16.78	-	22.38



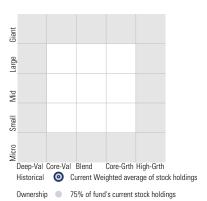
# PIMCO Commodity Real Ret Strat Instl PCRIX

#### **Morningstar Category Morningstar Index** Commodities Broad Basket

Bloomberg Commodity TR USD



Morningstar Style Box™



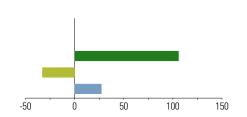


Equity



Value Blend Growth

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



Asset Allocation as of 09-30-2022

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

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

<b>Top 15 Holdings</b> as of 09-30-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ United States Treasury Notes 0.125%	21.22	21.22	_	_
→ U S TIPS REV REPO	21.20	42.42	_	_
⇒ U S TIPS REV REPO	21.17	63.59	_	_
☆ Offset: Unsettled Trades	17.24	80.83	_	-
⊕ 2 Year Treasury Note Future Sept 22	12.37	93.20	-	_
① United States Treasury Notes 0.625%	9.25	102.45	_	_
→ 10 Year Treasury Note Future Sept 22	8.54	110.99	_	-
	8.40	119.39	_	_
∋ Fin Fut 10Yr Jgb Ose 09/12/22	8.26	127.65	_	_
⊕ 3 Month Euribor TAS Future Mar 23	7.05	134.70	-	_
☆ Cash Offset	6.91	141.61	_	_
⊖ Euro Schatz Future Sept 22	6.87	148.48	-	_
	6.82	155.30	-	_
① United States Treasury Notes 0.75%	6.69	161.99	-	-
EUROPEAN MONETARY UNION EURO Purchased	6.04	168.04	_	_

**Total Holdings 859** 



# PIMCO Income Insti PIMIX

# Portfolio Manager(s)

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

#### **Quantitative Screens**

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

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

Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 0.51 is 48.48% lower than the Multisector Bond category average.

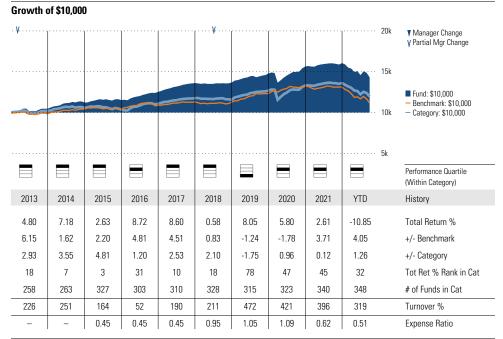
### **Morningstar Investment Management LLC Analysis**

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

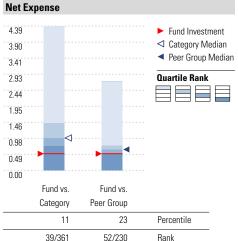
#### Morningstar Category Multisector Bond

Morningstar Index
Rhomberg LIS Universal TR III

tisector Bond Bloomberg US Universal TR USD







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

3-Year KISK Wietrics			
	Fund	Bmark	Cat
Alpha	2.85	_	2.12
Beta	0.95	_	1.04
R-Squared	53.59	_	47.77
Standard Deviation	7.14	5.51	8.81
Sharpe Ratio	-0.09	-0.65	-0.19
Tracking Error	4.87	_	6.61
Information Ratio	0.59	_	0.32
Up Capture Ratio	116.58	_	121.01
Down Capture Ratio	77.76	_	94.57

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



# PIMCO Income Insti PIMIX



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

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

**Morningstar Category** 

**Morningstar Index** 

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

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

Total Holdings 8056



# T. Rowe Price Retirement | 2010 | TRPAX

Morningstar Category Target-Date 2000-2010 Morningstar Index Morningstar Lifetime Mod 2010 TR USD

# Portfolio Manager(s)

Wyatt Lee since 09-2015 Kimberly DeDominicis since 10-2019 Andrew Jacobs van Merlen since 01-2020

### **Quantitative Screens**

Performance: The fund has finished in the Target-Date
2000-2010 category's top three quartiles in 6 of the 7 years
it's been in existence.

Management: The fund's management has been in place for 7.01 years.

✓ Net Expense: The fund's expense ratio of 0.34 is
38.18% lower than the Target-Date 2000-2010 category average.

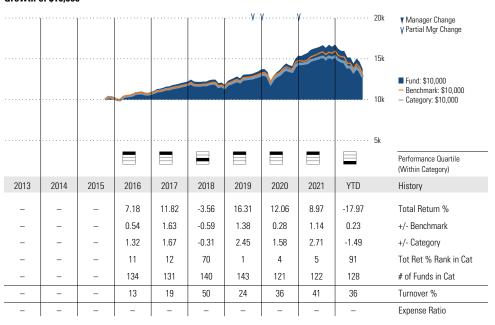
### **Morningstar Investment Management LLC Analysis**

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.

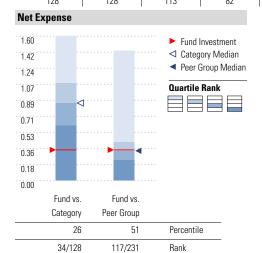
# **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	2	08-31-2022
ESG Commitment	1-Low	02-15-2022

### Growth of \$10,000



#### **Trailing Performance Total Return %** as of 09-30-2022 Fund Benchmark Category -5 -10 Average annual, if greater than 1 year 3 Month 1 Year 3 year 10 year Since Inception 5 year -4.74 -15.93 1.42 2.85 4.78 Fund Return % -5.10 -15.80 0.62 2.48 3.88 5.50 Benchmark Return % -4.81 0.51 -14 75 2 15 3 94 Category Average % 41 90 6 6 % Rank in Category 128 128 113 82 # of Funds in Category



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

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	0.80	_	-0.14
Beta	1.09	_	0.89
R-Squared	96.82	_	97.02
Standard Deviation	11.12	10.05	9.05
Sharpe Ratio	0.12	0.05	0.02
Tracking Error	2.18	_	2.20
Information Ratio	0.36	_	-0.06
Up Capture Ratio	109.05	_	86.62
Down Capture Ratio	103.35	_	87.60

Portfolio Metrics								
	Fund	Bmark	Cat					
Price/Earnings Ratio	19.33	14.46	14.44					
Price/Book Ratio	2.79	2.16	2.26					
Avg Eff Duration	5.91	-	5.76					

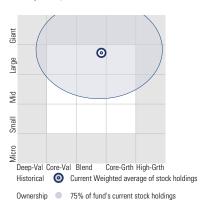


# T. Rowe Price Retirement I 2010 I TRPAX

**Morningstar Category** Target-Date 2000-2010 **Morningstar Index** Morningstar Lifetime Mod 2010 TR USD

# Style Analysis as of 09-30-2022

Morningstar Style Box™



Style Breakdown

Equity

Equity							
28	28	Large					
10	7	Mid					
3	2	Small					
	10	10 7					

Mid Value Blend Growth

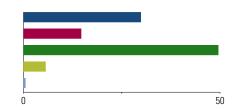


Fixed Income

Weight %

>50 25-50 10-25 0-10

# Asset Allocation as of 09-30-2022





		Freed	Dl.	0-4	Г		D I-		П с-+	A				
		Fund	Bmark	Cat	Fund	1 '	Bench	mark	Cateo	jory Ave	rage			
b	Cyclical	36.50	39.17	34.51			1	1	1					
4	Basic Materials	5.01	4.41	4.70										
4	Consumer Cyclical	12.70	10.60	10.33				ı į						
	Financial Services	14.55	14.81	15.50										
ŧ	Real Estate	4.24	9.35	3.98			V:							
M	Sensitive	41.81	36.41	39.62										
	Communication Services	9.77	5.63	6.49										
•	Energy	2.57	5.06	5.54										
<b>Ģ</b>	Industrials	9.93	10.83	10.42				į						
	Technology	19.54	14.89	17.17				<b>,</b>						
<b>→</b>	Defensive	21.70	24.42	25.85										
	Consumer Defensive	4.92	7.45	7.47			ĺ							
٠	Healthcare	13.44	13.62	14.40				<b>=</b> []						
•	Utilities	3.34	3.35	3.98		•[]								
_					0%	5	10	15	20	25	30	35	40	4

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Name	iviaturity Date	/0 INEL ASSEL	Guillulative /0	TTD NetuIII /6	Worlingstar Sector
	_	15.84	15.84	_	_
	-	15.64	31.47	_	_
⊕ T. Rowe Price Value Z	_	8.49	39.97	_	_
⊕ T. Rowe Price Growth Stock Z	_	6.95	46.92	_	_
→ T. Rowe Price Equity Index 500 Z	-	6.91	53.82	-	-
	_	5.48	59.31	_	_
⊕ T. Rowe Price Dynamic Global Bond Z	_	4.09	63.40	_	_
⊕ T. Rowe Price Emerging Markets Bond Z	_	3.69	67.09	_	_
	_	3.61	70.70	_	_
⊕ T. Rowe Price Overseas Stock Z	_	3.54	74.24	_	_

# **Total Holdings 27**



# T. Rowe Price Retirement I 2015 I TRFGX

**Morningstar Category** Target-Date 2015

Morningstar Index Morningstar Lifetime Mod 2015 TR USD

# Portfolio Manager(s)

Wyatt Lee since 09-2015 Kimberly DeDominicis since 10-2019 Andrew Jacobs van Merlen since 01-2020

### **Quantitative Screens**

Performance: The fund has finished in the Target-Date 2015 category's top three quartiles in 7 of the 7 years it's

Management: The fund's management has been in place for 7.01 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 0.36 is 38.98% lower than the Target-Date 2015 category average.

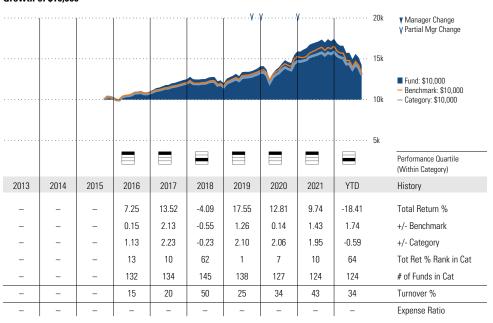
### **Morningstar Investment Management LLC Analysis**

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

#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	2	08-31-2022
ESG Commitment	1-Low	02-15-2022

### Growth of \$10,000



# **Trailing Performance**



Net Expo	ense			
1.95				► Fund Investment
1.73				Category Median
1.52				<ul> <li>Peer Group Median</li> </ul>
1.30				Quartile Rank
1.08				
0.87	4			
0.65				
0.43				
0.22				
0.00				
	Fund vs.	Fur	nd vs.	
(	Category	Peer 0	Group	

	31/125	108/217	Rank			
Peer grou	p is a subset o	f the category an	ıd includes fun	ds with the		
same management style (active vs. passive) and similar share class						
character	istics					

50

Percentile

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	1.56	_	0.32
Beta	1.06	_	0.93
R-Squared	95.94	_	96.57
Standard Deviation	11.89	11.02	10.39
Sharpe Ratio	0.16	0.02	0.05
Tracking Error	2.47	_	2.15
Information Ratio	0.62	_	0.19
Up Capture Ratio	107.91	_	91.97
Down Capture Ratio	97.62	_	89.84

Portfolio Metrics							
Fund	Bmark	Cat					
19.29	14.32	14.35					
2.78	2.13	2.24					
6.02	-	5.60					
	19.29	19.29 14.32 2.78 2.13					



24

# T. Rowe Price Retirement I 2015 I TRFGX

**Morningstar Index** Morningstar Lifetime Mod 2015 TR USD **Morningstar Category** Target-Date 2015

# Style Analysis as of 09-30-2022

Morningstar Style Box™



Large

# Style Breakdown

Equity 28 15 29 7 5 10

Μid 2 3 2

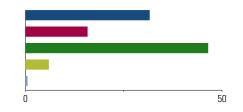
Value Blend Growth

Fixed Income Quality High MidLow Mod Ltd Duration

>50 25-50 10-25 0-10

Weight %

# Asset Allocation as of 09-30-2022



Total	100.00	100.00
Other	0.45	5.32
Cash	5.86	3.96
Bonds	46.41	51.66
Non-US Stocks	15.73	14.37
US Stocks	31.53	24.70
Asset Class	Net %	Cat%

Sec	ctor Weighting as of 09-3	30-2022			
		Fund	Bmark	Cat	Fund Fenchmark Category Average
<b>Դ</b>	Cyclical	36.52	39.26	34.73	
A.	Basic Materials	5.01	4.51	4.80	
<b>A</b>	Consumer Cyclical	12.68	10.64	10.53	
ø	Financial Services	14.59	14.92	15.61	
<b>fi</b>	Real Estate	4.24	9.19	3.79	
W	Sensitive	41.74	36.43	39.98	
	Communication Services	9.71	5.63	6.53	
ð	Energy	2.57	5.09	5.55	
¢	Industrials	9.97	10.92	10.50	
	Technology	19.49	14.79	17.40	
<b>-</b>	Defensive	21.74	24.32	25.31	
=	Consumer Defensive	4.94	7.45	7.29	
+	Healthcare	13.47	13.52	14.23	
•	Utilities	3.33	3.35	3.79	
					0% 5 10 15 20 25 30 35 40 4

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
2.5		45.00	45.00		
⊕ T. Rowe Price New Income Z	_	15.09	15.09	_	_
→ T. Rowe Price Ltd Dur Infl Focus Bd Z	_	13.81	28.90	_	_
Ð T. Rowe Price Value Z	_	9.05	37.95	_	_
T. Rowe Price Equity Index 500 Z	-	7.29	45.24	_	_
⊕ T. Rowe Price Growth Stock Z	-	7.22	52.46	-	-
Ð T. Rowe Price Intl Bd (USD Hdgd) Z	_	5.26	57.72	_	_
⊕ T. Rowe Price Dynamic Global Bond Z	_	3.98	61.69	_	_
T. Rowe Price International Value Eq Z	_	3.86	65.55	_	_
⊕ T. Rowe Price Overseas Stock Z	_	3.77	69.32	_	_
⊕ T. Rowe Price Emerging Markets Bond Z	_	3.44	72.76	_	_

# **Total Holdings 27**



# T. Rowe Price Retirement | 2020 | TRBRX

Morningstar Category Target-Date 2020 Morningstar Index Morningstar Lifetime Mod 2020 TR USD

# Portfolio Manager(s)

Wyatt Lee since 09-2015 Kimberly DeDominicis since 10-2019 Andrew Jacobs van Merlen since 01-2020

#### **Quantitative Screens**

Performance: The fund has finished in the Target-Date 2020 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 7.01 years.

Net Expense: The fund's expense ratio of 0.37 is 40.32% lower than the Target-Date 2020 category average.

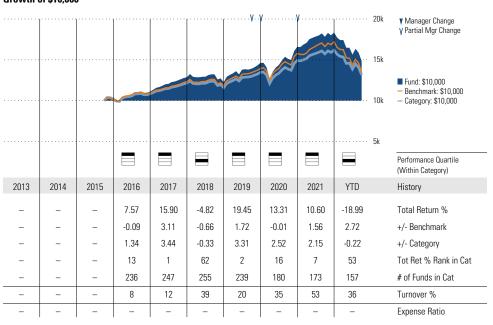
### **Morningstar Investment Management LLC Analysis**

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

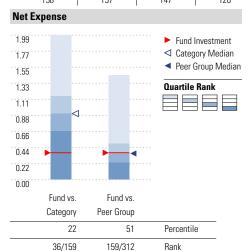
#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	2	08-31-2022
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	2.10	_	0.49
Beta	1.04	_	0.91
R-Squared	95.40	_	96.55
Standard Deviation	12.89	12.06	11.16
Sharpe Ratio	0.18	0.02	0.06
Tracking Error	2.81	_	2.40
Information Ratio	0.73	_	0.26
Up Capture Ratio	107.91	_	91.63
Down Capture Ratio	95.25	_	88.58

Portfolio Metrics							
	Fund	Bmark	Cat				
Price/Earnings Ratio	19.23	14.18	14.40				
Price/Book Ratio	2.77	2.10	2.20				
Avg Eff Duration	6.15	-	5.74				



# T. Rowe Price Retirement I 2020 I TRBRX

**Morningstar Category** Target-Date 2020

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

# Style Analysis as of 09-30-2022

Morningstar Style Box™



# Style Breakdown

Equity 28 15 29 7 5 10

Large 2 3 2 Value Blend Growth

MidLtd Mod Duration

Fixed Income

Quality High

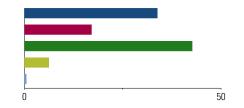
Mid

Low

Weight %

>50 25-50 10-25 0-10

# Asset Allocation as of 09-30-2022



Asset Class Net % Cat% US Stocks 33.77 25.18 Non-US Stocks 17.02 14.05 Bonds 42.63 49.67 Cash 6.15 2.84 Other 0.43 8.25 100.00 100.00 Total

		Fund	Bmark	Cat	Fund ▼ Benchmark
٠	Cyclical	36.56	39.26	36.39	
ì.	Basic Materials	5.01	4.61	4.53	
•	Consumer Cyclical	12.51	10.69	10.84	
<u></u>	Financial Services	14.73	15.07	15.35	
à	Real Estate	4.31	8.89	5.67	
Ųľ	Sensitive	41.54	36.49	40.53	
	Communication Services	9.54	5.63	6.70	
	Energy	2.62	5.12	5.15	
ž	Industrials	10.03	11.02	10.43	
1	Technology	19.35	14.72	18.25	
+	Defensive	21.88	24.26	23.08	
7	Consumer Defensive	5.01	7.45	6.88	
ì	Healthcare	13.53	13.45	12.94	
2	Utilities	3.34	3.36	3.26	

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Name	Maturity Date	% Net Asset	Cumulative %	FID heturn %	iviorningstar Sector
	_	14.28	14.28	_	_
	-	11.65	25.93	_	-
⊕ T. Rowe Price Value Z	_	9.78	35.71	_	_
→ T. Rowe Price Equity Index 500 Z	_	7.95	43.67	_	_
⊕ T. Rowe Price Growth Stock Z	-	7.24	50.91	-	-
⊕ T. Rowe Price Intl Bd (USD Hdgd) Z	_	4.92	55.83	_	_
→ T. Rowe Price International Value Eq Z	_	4.16	59.99	_	_
→ T. Rowe Price Overseas Stock Z	_	4.15	64.14	_	_
⊕ T. Rowe Price Dynamic Global Bond Z	-	3.78	67.92	-	-
→ T. Rowe Price International Stock Z	_	3.56	71.49	_	_

# Total Holdings 29



# T. Rowe Price Retirement I 2025 I TRPHX

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

# Portfolio Manager(s)

Wyatt Lee since 09-2015 Kimberly DeDominicis since 10-2019 Andrew Jacobs van Merlen since 01-2020

#### **Quantitative Screens**

Performance: The fund has finished in the Target-Date 2025 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 7.01 years.

Net Expense: The fund's expense ratio of 0.39 is
 41.79% lower than the Target-Date 2025 category average.

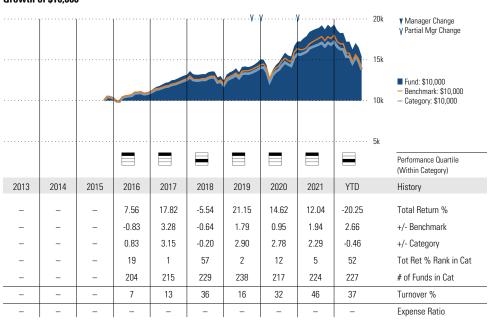
### **Morningstar Investment Management LLC Analysis**

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

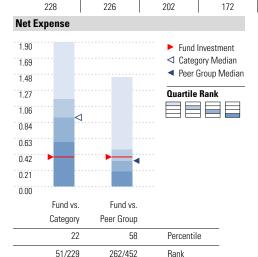
### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	08-31-2022
ESG Commitment	1-Low	02-15-2022
Carbon Risk Score	Low Risk	12-31-2021

# Growth of \$10,000



#### **Trailing Performance Total Return %** 10% as of 09-30-2022 Fund 0 Benchmark -5 Category -10 Average annual, if greater than 1 year 3 Month 1 Year 10 year Since Inception 3 yea 5 year -5.20 -17.65 2.74 3.94 6.61 Fund Return % -6.28 -19.88 0.27 2.63 5.22 5.90 Benchmark Return % -17 02 1 10 5.32 -5.36 2 75 Category Average % 41 63 3 3 % Rank in Category # of Funds in Category



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

3-Year Risk Metrics							
	Fund	Bmark	Cat				
Alpha	2.52	_	0.75				
Beta	1.05	_	0.91				
R-Squared	96.08	_	97.24				
Standard Deviation	14.21	13.21	12.18				
Sharpe Ratio	0.21	0.04	0.09				
Tracking Error	2.90	_	2.51				
Information Ratio	0.85	_	0.39				
Up Capture Ratio	113.80	_	93.65				
Down Capture Ratio	99.86	_	89.36				

Portfolio Metrics							
	Fund	Bmark	Cat				
Price/Earnings Ratio	19.22	14.04	14.57				
Price/Book Ratio	2.76	2.08	2.25				
Avg Eff Duration	6.56	_	6.68				



# T. Rowe Price Retirement I 2025 I TRPHX

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

# Style Analysis as of 09-30-2022

Morningstar Style Box™



# Style Breakdown

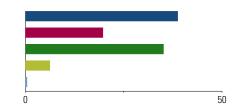
Equity

Fixed Income Quality High MidLow Mod Ltd Duration

15	29	28	e.
5	10	7	Mid
2	3	2	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	0.36	11.77
Cash	6.18	3.36
Bonds	35.09	38.70
Non-US Stocks	19.67	15.10
US Stocks	38.70	31.08
Asset Class	Net %	Cat%

		Fund	Bmark	Cat	Fund	▼ Bend	hmark	Cate	gory Ave	erage	
Ն	Cyclical	36.60	39.22	35.59							
A.	Basic Materials	5.04	4.70	4.30							
4	Consumer Cyclical	12.51	10.75	10.86							
<del>,</del>	Financial Services	14.74	15.23	15.05							
<b>fi</b>	Real Estate	4.31	8.54	5.38		[ '					
M	Sensitive	41.51	36.56	40.84							
	Communication Services	9.54	5.62	6.82							
ð	Energy	2.62	5.15	5.02							
<b>D</b>	Industrials	10.04	11.13	10.22							
	Technology	19.31	14.66	18.78					-		
<b>→</b>	Defensive	21.89	24.21	23.57					0		
=	Consumer Defensive	5.03	7.46	7.02		[	_				
٠	Healthcare	13.53	13.38	13.19			<b>=</b> []				
•	Utilities	3.33	3.37	3.36							

M	Maturity Data	0/ NI-+ A+	C	VTD D-+ 0/	M
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ T. Rowe Price New Income Z	_	12.61	12.61	_	_
⊕ T. Rowe Price Value Z	-	11.26	23.87	_	_
→ T. Rowe Price Equity Index 500 Z	_	9.12	32.99	_	_
⊕ T. Rowe Price Growth Stock Z	_	8.30	41.29	_	_
⊕ T. Rowe Price Ltd Dur Infl Focus Bd Z	-	7.60	48.89	-	-
	_	4.78	53.67	_	_
→ T. Rowe Price Overseas Stock Z	-	4.77	58.44	_	_
⊕ T. Rowe Price Intl Bd (USD Hdgd) Z	-	4.33	62.77	_	_
⊕ T. Rowe Price International Stock Z	-	4.19	66.96	_	_
⊕ T. Rowe Price Dynamic Global Bond Z	_	3.32	70.28	_	_

# Total Holdings 30



# T. Rowe Price Retirement | 2030 | TRPCX

Morningstar Category Target-Date 2030 Morningstar Index Morningstar Lifetime Mod 2030 TR USD

# Portfolio Manager(s)

Wyatt Lee since 09-2015 Kimberly DeDominicis since 10-2019 Andrew Jacobs van Merlen since 01-2020

#### **Quantitative Screens**

Performance: The fund has finished in the Target-Date 2030 category's top three quartiles in 7 of the 7 years it's heen in existence

Management: The fund's management has been in place for 7.01 years.

Net Expense: The fund's expense ratio of 0.41 is 39.71% lower than the Target-Date 2030 category average.

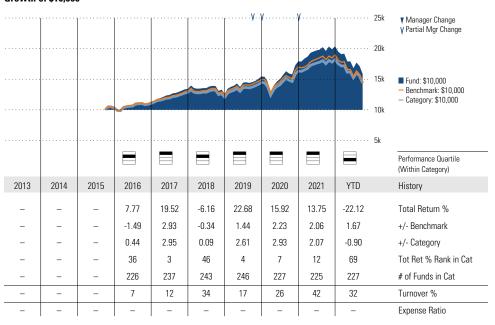
### **Morningstar Investment Management LLC Analysis**

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

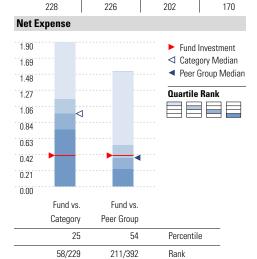
#### **ESG Metrics**

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

### Growth of \$10,000



#### **Trailing Performance Total Return %** 10% as of 09-30-2022 Fund 0 Benchmark -5 Category -10 Average annual, if greater than 1 year 3 Month 1 Year 10 year Since Inception 3 yea 5 year -5.58 -19.10 3.00 4.19 7.06 Fund Return % -6.42 -20.52 0.64 2.92 5.89 6.14 Benchmark Return % -5 64 -17 98 5 93 1.72 3 22 Category Average % 43 74 5 % Rank in Category



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

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	2.38	-	1.01
Beta	1.06	-	0.94
R-Squared	97.80	_	98.16
Standard Deviation	15.66	14.65	13.83
Sharpe Ratio	0.22	0.07	0.14
Tracking Error	2.47	_	2.26
Information Ratio	0.95	_	0.53
Up Capture Ratio	113.21	_	97.46
Down Capture Ratio	101.37	_	92.27

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	19.25	13.89	14.73
Price/Book Ratio	2.77	2.05	2.30
Avg Eff Duration	7.39	-	6.88



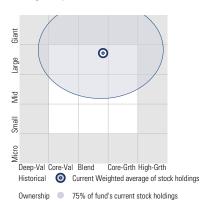
# of Funds in Category

# T. Rowe Price Retirement I 2030 I TRPCX

**Morningstar Index** Morningstar Lifetime Mod 2030 TR USD **Morningstar Category** Target-Date 2030

# Style Analysis as of 09-30-2022

Morningstar Style Box™



# Style Breakdown

Equity

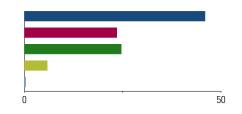
	15	29	28	Large
	5	10	7	Mid
	2	3	2	Small
٧	alue	Blend	Growth	

Fixed Income Quality High MidLow Mod Ltd Duration

Weight %

>50 25-50 10-25 0-10

# Asset Allocation as of 09-30-2022



Total	100.00	100.00
Other	0.27	10.37
Cash	5.76	2.22
Bonds	24.59	30.40
Non-US Stocks	23.46	18.16
US Stocks	45.91	38.85
Asset Class	Net %	Cat%

Sec	ctor Weighting as of 09-	30-2022			
		Fund	Bmark	Cat	Fund Fenchmark Category Average
<u></u>	Cyclical	36.61	39.12	35.03	
A	Basic Materials	5.04	4.79	4.27	
Д	Consumer Cyclical	12.59	10.83	10.97	
æ	Financial Services	14.69	15.40	15.31	
侖	Real Estate	4.29	8.10	4.48	
W	Sensitive	41.59	36.68	41.20	
0	Communication Services	9.62	5.62	6.83	
ð	Energy	2.59	5.19	5.00	
Ф	Industrials	10.02	11.25	10.38	
	Technology	19.36	14.62	18.99	
<b>→</b>	Defensive	21.81	24.20	23.77	
Ħ	Consumer Defensive	4.99	7.49	7.01	
+	Healthcare	13.53	13.34	13.51	
•	Utilities	3.29	3.37	3.25	
					0% 5 10 15 20 25 30 35 40

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
T. Rowe Price Value Z	_	13.61	13.61	_	_
T. Rowe Price Equity Index 500 Z	_	10.79	24.39	-	_
T. Rowe Price Growth Stock Z	-	10.26	34.65	_	_
→ T. Rowe Price New Income Z	-	9.96	44.61	-	-
∋ T. Rowe Price International Value Eq Z	-	5.70	50.31	-	-
⊕ T. Rowe Price Overseas Stock Z	_	5.68	55.99	_	_
	-	5.02	61.01	_	_
🕀 T. Rowe Price Intl Bd (USD Hdgd) Z	-	3.39	64.40	_	_
T. Rowe Price Mid-Cap Value Z	-	3.15	67.56	_	_
⊕ T. Rowe Price Mid-Cap Growth Z	_	2.82	70.37	_	_

# Total Holdings 30



# T. Rowe Price Retirement | 2035 | TRPJX

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

# Portfolio Manager(s)

Wyatt Lee since 09-2015 Kimberly DeDominicis since 10-2019 Andrew Jacobs van Merlen since 01-2020

### **Quantitative Screens**

Performance: The fund has finished in the Target-Date 2035 category's top three quartiles in 7 of the 7 years it's heen in existence

Management: The fund's management has been in place for 7.01 years.

Net Expense: The fund's expense ratio of 0.42 is 40% lower than the Target-Date 2035 category average.

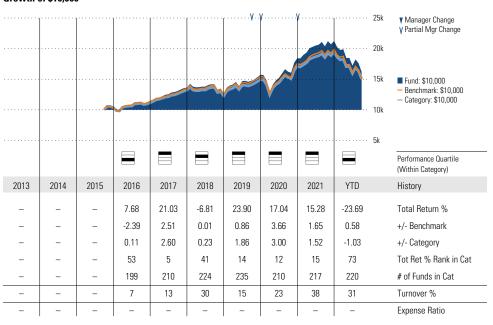
### **Morningstar Investment Management LLC Analysis**

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Investment Management has also assessed the fund from a
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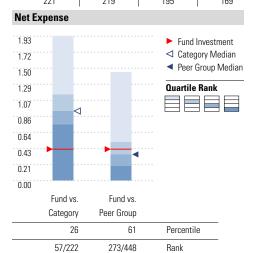
### **ESG Metrics**

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

### Growth of \$10,000







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

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	1.98	_	1.12
Beta	1.03	_	0.96
R-Squared	98.78	_	98.55
Standard Deviation	16.88	16.24	15.63
Sharpe Ratio	0.23	0.12	0.18
Tracking Error	1.94	_	2.15
Information Ratio	1.03	_	0.61
Up Capture Ratio	108.50	_	99.42
Down Capture Ratio	99.65	_	94.36

Portfolio Metrics									
	Fund	Bmark	Cat						
Price/Earnings Ratio	19.33	13.74	14.52						
Price/Book Ratio	2.77	2.03	2.26						
Avg Eff Duration	7.96	-	7.30						

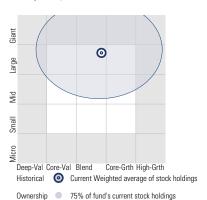


# T. Rowe Price Retirement I 2035 I TRPJX

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

# Style Analysis as of 09-30-2022

Morningstar Style Box™



# Style Breakdown

Weight %

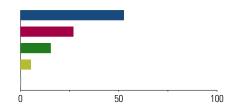
Equity				Fixed I	ncome		Quality
14	29	28	Large				High
5	10	7	Mid				Mid
2	3	2	Small				Low
Value	Blend	Growth		Ltd	Mod	Ext	=

Fixed Income

Duration

>50 25-50 10-25 0-10

# Asset Allocation as of 09-30-2022



Total	100.00	100.00
Other	0.18	10.99
Cash	5.20	2.49
Bonds	15.27	20.13
Non-US Stocks	26.82	22.05
US Stocks	52.52	44.34
Asset Class	Net %	Cat%

Sector Weighting as of 09	-30-2022			
	Fund	Bmark	Cat	Fund Benchmark Category Average
<b>⊌</b> Cyclical	36.67	39.03	35.22	
Basic Materials	5.05	4.91	4.32	
Consumer Cyclical	12.74	10.90	11.05	
Financial Services	14.61	15.56	15.35	
Real Estate	4.27	7.66	4.50	
Sensitive	41.67	36.79	41.27	
Communication Services	9.81	5.63	6.82	
Energy	2.49	5.21	5.05	
: Industrials	10.00	11.36	10.38	
Technology	19.37	14.59	19.02	
→ Defensive	21.66	24.18	23.51	
Consumer Defensive	4.85	7.51	7.01	
Healthcare	13.52	13.28	13.28	
Utilities	3.29	3.39	3.22	
				0% 5 10 15 20 25 30 35 40

<b>Top 10 Holdings</b> as of 09-30-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ T. Rowe Price Value Z	_	16.74	16.74	_	_
T. Rowe Price Growth Stock Z	-	13.04	29.78	_	_
T. Rowe Price Equity Index 500 Z	-	10.31	40.09	_	_
T. Rowe Price New Income Z	-	6.54	46.63	_	_
T. Rowe Price International Value Eq Z	-	6.52	53.16	_	-
T. Rowe Price Overseas Stock Z	_	6.44	59.60	_	_
T. Rowe Price International Stock Z	-	5.70	65.30	_	_
T. Rowe Price Mid-Cap Value Z	-	3.55	68.85	_	_
Ð T. Rowe Price Mid-Cap Growth Z	-	3.18	72.03	_	_
T. Rowe Price Real Assets Z	_	2.75	74.78	_	_

# Total Holdings 30



### T. Rowe Price Retirement | 2040 | TRPDX

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

### Portfolio Manager(s)

Wyatt Lee since 09-2015 Kimberly DeDominicis since 10-2019 Andrew Jacobs van Merlen since 01-2020

#### **Quantitative Screens**

Performance: The fund has finished in the Target-Date 2040 category's top three quartiles in 6 of the 7 years it's been in existence

Management: The fund's management has been in place for 7.01 years.

Net Expense: The fund's expense ratio of 0.43 is 38.57% lower than the Target-Date 2040 category average.

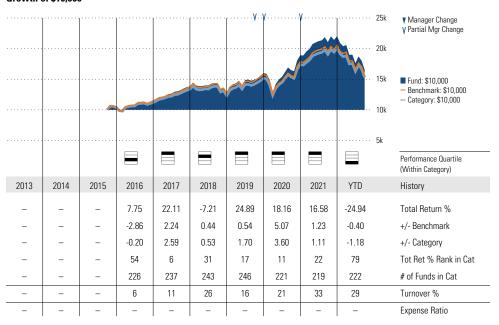
### **Morningstar Investment Management LLC Analysis**

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

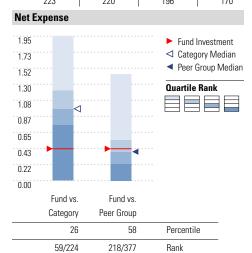
### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	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	1.70	_	0.99
Beta	1.01	_	0.96
R-Squared	98.95	_	98.62
Standard Deviation	17.95	17.64	16.98
Sharpe Ratio	0.24	0.15	0.21
Tracking Error	1.86	-	2.22
Information Ratio	0.93	-	0.52
Up Capture Ratio	105.57	-	99.30
Down Capture Ratio	98.58	-	95.19

Portfolio Metrics								
	Fund	Bmark	Cat					
Price/Earnings Ratio	19.39	13.60	14.46					
Price/Book Ratio	2.78	2.01	2.23					
Avg Eff Duration	8.20	_	7.75					



### T. Rowe Price Retirement I 2040 I TRPDX

**Morningstar Category** Target-Date 2040

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

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

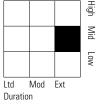
Morningstar Style Box™



### Style Breakdown

Equity			Fixed Inc	ome	
14	29	29	Large		
5	10	7	Mid		
2	3	2	Small		
	L. L. N	4 1			

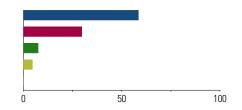
Value Blend Growth



Quality

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

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



Asset Class Net % Cat% US Stocks 58.43 50.48 Non-US Stocks 29.59 25.79 Bonds 7.38 12.64 Cash 4.50 1.94 Other 0.09 9.14 100.00 Total 100.00

		Fund	Bmark	Cat	Fund	١ ،	Bench	mark	Cator	gory Ave	rano			
ղ.					Tunt	, ,	Denci	IIIIaik	ll Cate	JULY AVE	aye			
_	Cyclical	36.68	38.99	35.56		. ,			- 1	- :				
A	Basic Materials	5.05	5.00	4.31										
A	Consumer Cyclical	12.81	10.96	11.01				١.						
<del>,</del>	Financial Services	14.55	15.70	15.33										
<b>fi</b>	Real Estate	4.27	7.33	4.91			٠							
W	Sensitive	41.70	36.87	41.07										
d	Communication Services	9.92	5.65	6.79		-								
ð	Energy	2.42	5.24	5.03										
Ф	Industrials	10.00	11.44	10.41										
	Technology	19.36	14.54	18.84				•						
<b>→</b>	Defensive	21.61	24.12	23.36										
=	Consumer Defensive	4.76	7.53	6.96		<b>[</b>	]							
٠	Healthcare	13.53	13.20	13.22				•						
•	Utilities	3.32	3.39	3.18		(								
					0%	5	10	15	20	25	30	35	40	45

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
→ T. Rowe Price Value Z	_	19.63	19.63	_	_
T. Rowe Price Growth Stock Z	-	15.25	34.89	_	_
€ T. Rowe Price Equity Index 500 Z	_	9.91	44.80	_	_
T. Rowe Price International Value Eq Z	_	7.24	52.03	_	_
€ T. Rowe Price Overseas Stock Z	_	6.97	59.01	_	-
Ð T. Rowe Price International Stock Z	_	6.27	65.27	_	_
T. Rowe Price Mid-Cap Value Z	_	3.85	69.13	_	_
Ð T. Rowe Price Mid-Cap Growth Z	_	3.51	72.64	_	_
⊕ T. Rowe Price Real Assets Z	_	3.04	75.68	_	_
T. Rowe Price New Income Z	_	2.98	78.65	_	_

### Total Holdings 28



### T. Rowe Price Retirement | 2045 | TRPKX

**Morningstar Category** Target-Date 2045

Morningstar Index Morningstar Lifetime Mod 2045 TR USD

### Portfolio Manager(s)

Wyatt Lee since 09-2015 Kimberly DeDominicis since 10-2019 Andrew Jacobs van Merlen since 01-2020

#### **Quantitative Screens**

Performance: The fund has finished in the Target-Date 2045 category's top three quartiles in 7 of the 7 years it's

Management: The fund's management has been in place for 7.01 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 0.44 is 37.14% lower than the Target-Date 2045 category average.

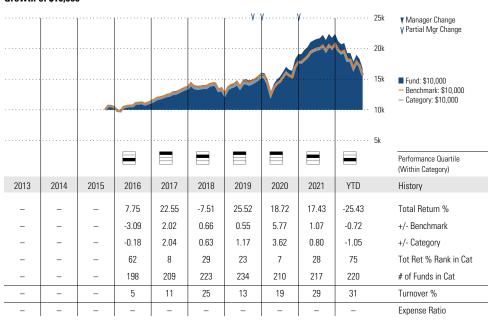
### **Morningstar Investment Management LLC Analysis**

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

### **ESG Metrics**

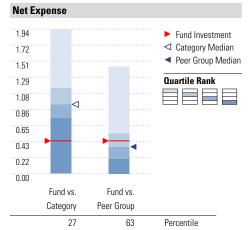
Metric	Rating	Updated
Sustainability Rating	3	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
FSG Commitment	1-l ow	02-15-2022

### Growth of \$10,000



# **Trailing Performance**





	60/222	281/447	Rank			
Peer group is a subset of the category and includes funds with the						
same management style (active vs. passive) and similar share class						
characteri	etice					

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	1.64	_	0.94
Beta	1.00	_	0.96
R-Squared	98.89	_	98.56
Standard Deviation	18.56	18.49	17.85
Sharpe Ratio	0.26	0.17	0.22
Tracking Error	1.95	_	2.27
Information Ratio	0.86	_	0.46
Up Capture Ratio	103.93	_	99.60
Down Capture Ratio	97.46	_	95.92

Portfolio Metrics								
	Fund	Bmark	Cat					
Price/Earnings Ratio	19.37	13.48	14.46					
Price/Book Ratio	2.77	1.98	2.22					
Avg Eff Duration	7.57	-	8.50					

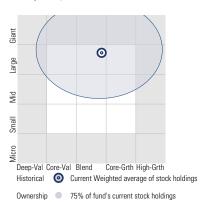


### T. Rowe Price Retirement I 2045 I TRPKX

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

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

Morningstar Style Box™



### Style Breakdown

Weight %

Equity				rixeu	псотпе	
14	29	29	Large			
5	10	7	Mid			
2	3	2	Small			
Value	Blend	Growth		Ltd	Mod	F

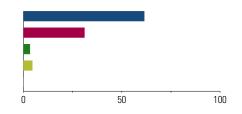
Eivad Incomo

Duration

Quality High Mid

>50 25-50 10-25 0-10

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



Total	100.00	100.00
Other	0.05	9.50
Cash	4.42	2.06
Bonds	3.20	7.20
Non-US Stocks	30.97	27.82
US Stocks	61.37	53.41
Asset Class	Net %	Cat%

		Fund	Bmark	Cat	Fund	•	Bench	mark	Cate	gory Ave	erage	
ŀ	Cyclical	36.71	39.10	35.50					,	, , , , , ,		
ů.	Basic Materials	5.06	5.09	4.35		<u>'</u>						
4	Consumer Cyclical	12.82	11.00	11.10								
₽	Financial Services	14.56	15.83	15.29			:					
À	Real Estate	4.27	7.18	4.76		0 '						
M	Sensitive	41.70	36.89	40.81								
₫	Communication Services	9.92	5.64	6.77								
ð	Energy	2.43	5.27	4.95		0						
Φ	Industrials	10.01	11.52	10.38								
	Technology	19.34	14.46	18.71						_		
<b>-</b>	Defensive	21.59	24.02	23.68						[		
=	Consumer Defensive	4.75	7.53	6.98		•	<b>'</b>					
+	Healthcare	13.53	13.10	13.43	_							
•	Utilities	3.31	3.39	3.27								

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
T. Rowe Price Value Z	_	20.54	20.54	_	_
T. Rowe Price Growth Stock Z	-	15.93	36.47	_	_
T. Rowe Price Equity Index 500 Z	-	10.09	46.56	_	_
T. Rowe Price International Value Eq Z	-	7.59	54.15	_	_
T. Rowe Price Overseas Stock Z	-	7.36	61.51	-	-
T. Rowe Price International Stock Z	_	6.41	67.93	_	_
T. Rowe Price Mid-Cap Value Z	-	4.09	72.02	_	_
T. Rowe Price Mid-Cap Growth Z	-	3.67	75.68	_	_
T. Rowe Price Real Assets Z	-	3.17	78.85	_	_
T. Rowe Price Emerging Markets Stock Z	_	2.81	81.66	_	_

### Total Holdings 23



### T. Rowe Price Retirement I 2050 I TRPMX

**Morningstar Category** Target-Date 2050

Morningstar Index Morningstar Lifetime Mod 2050 TR USD

### Portfolio Manager(s)

Wyatt Lee since 09-2015 Kimberly DeDominicis since 10-2019 Andrew Jacobs van Merlen since 01-2020

#### **Quantitative Screens**

Performance: The fund has finished in the Target-Date 2050 category's top three quartiles in 7 of the 7 years it's

Management: The fund's management has been in place for 7.01 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 0.45 is 36.62% lower than the Target-Date 2050 category average.

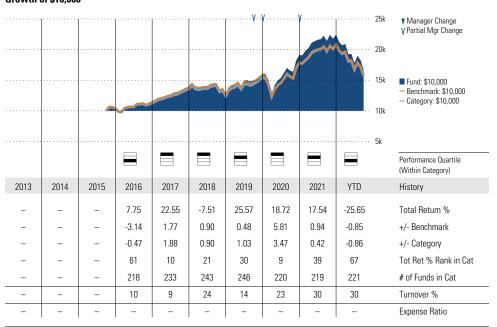
### **Morningstar Investment Management LLC Analysis**

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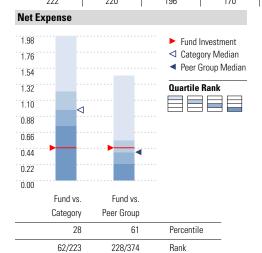
### **ESG Metrics**

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

### Growth of \$10,000







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	1.54	_	0.88
Beta	0.99	-	0.96
R-Squared	98.82	_	98.48
Standard Deviation	18.65	18.81	18.21
Sharpe Ratio	0.25	0.17	0.22
Tracking Error	2.05	_	2.30
Information Ratio	0.76	_	0.40
Up Capture Ratio	102.95	_	99.91
Down Capture Ratio	96.99	_	96.52

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	19.37	13.38	14.44
Price/Book Ratio	2.77	1.96	2.21
Avg Eff Duration	6.20	_	8.14



### T. Rowe Price Retirement I 2050 I TRPMX

**Morningstar Category** Target-Date 2050

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

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

Morningstar Style Box™



### Style Breakdown

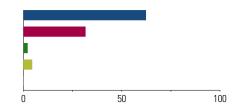
Lquity			
14	29	29	Large
5	10	7	Mid
2	3	2	Small

Value Blend Growth



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

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



Asset Class Net % Cat% US Stocks 62.20 55.67 Non-US Stocks 31.46 28.97 Bonds 1.99 4.93 Cash 4.30 2.07 Other 0.04 8.36 Total 100.00 100.00

Sector W	eighting as of 09-	30-2022												
		Fund	Bmark	Cat	Fund	•	Bench	mark	Cate	gory Ave	rage			
U Cyclica	al	36.69	39.29	35.76										
🚣 🛮 Basic N	Materials	5.05	5.17	4.35										
Consur	mer Cyclical	12.81	11.02	11.04										
Financi	ial Services	14.57	15.93	15.30										
Real Est     Real Est	state	4.26	7.17	5.07		• [     '								
₩ Sensiti	ive	41.71	36.83	40.66										
Commi	unication Services	9.92	5.63	6.72										
Energy	1	2.43	5.28	4.92										
Industr	rials	10.01	11.56	10.41										
Techno	ology	19.35	14.36	18.61										
→ Defens	sive	21.61	23.88	23.56										
Consur	mer Defensive	4.76	7.52	6.95			<b>'</b>							
Health	care	13.54	12.98	13.37										
Utilitie	es	3.31	3.38	3.24										
					0%	5	10	15	20	25	30	35	40	_

NI.	M . 2 D .	0/ 11 . 1	0 1:: 0/	V/TD D . 0/	
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ T. Rowe Price Value Z	_	20.81	20.81	_	_
T. Rowe Price Growth Stock Z	-	16.14	36.95	-	_
⊕ T. Rowe Price Equity Index 500 Z	-	10.24	47.19	_	_
→ T. Rowe Price International Value Eq Z	-	7.70	54.89	-	_
⊕ T. Rowe Price Overseas Stock Z	_	7.51	62.40	-	-
⊕ T. Rowe Price International Stock Z	_	6.53	68.93	_	_
T. Rowe Price Mid-Cap Value Z	-	4.16	73.09	_	_
⊕ T. Rowe Price Mid-Cap Growth Z	_	3.72	76.81	_	_
⊕ T. Rowe Price Real Assets Z	_	3.20	80.01	_	_
T. Rowe Price Emerging Markets Stock Z	_	2.85	82.86	_	_

### Total Holdings 23



### T. Rowe Price Retirement | 2055 | TRPNX

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

### Portfolio Manager(s)

Wyatt Lee since 09-2015 Kimberly DeDominicis since 10-2019 Andrew Jacobs van Merlen since 01-2020

#### **Quantitative Screens**

Performance: The fund has finished in the Target-Date 2055 category's top three quartiles in 7 of the 7 years it's heen in existence

Management: The fund's management has been in place for 7.01 years.

Net Expense: The fund's expense ratio of 0.46 is 35.21% lower than the Target-Date 2055 category average.

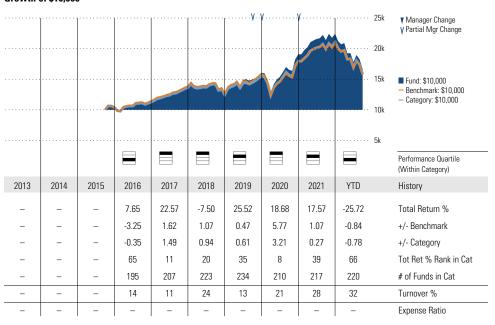
### **Morningstar Investment Management LLC Analysis**

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

### **ESG Metrics**

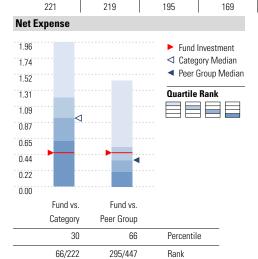
Metric	Rating	Updated
Sustainability Rating	3	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
FSG Commitment	1-l ow	02-15-2022

### Growth of \$10,000





13



83

23

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	1.54	_	0.99
Beta	0.98	_	0.96
R-Squared	98.75	_	98.42
Standard Deviation	18.67	18.89	18.35
Sharpe Ratio	0.25	0.17	0.22
Tracking Error	2.12	_	2.32
Information Ratio	0.74	_	0.45
Up Capture Ratio	102.51	-	100.59
Down Capture Ratio	96.53	-	96.81

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	19.37	13.28	14.32
Price/Book Ratio	2.77	1.94	2.18
Avg Eff Duration	6.21	-	9.37



% Rank in Category

# of Funds in Category

39

### T. Rowe Price Retirement I 2055 I TRPNX

Quality High Μid Low

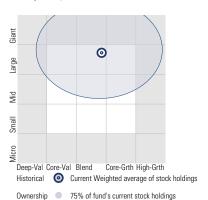
Duration

**Morningstar Category** Target-Date 2055

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

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

Morningstar Style Box™



# Style Breakdown

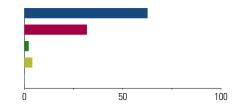
Equity				Fixed	Income
14	29	29	Large		
5	10	7	Mid		
2	3	2	Small		
Value	Blend	Growth		Ltd	Mod

Value Blend Growth

Weight %

>50 25-50 10-25 0-10

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



Asset Class Net % Cat% US Stocks 55.94 62.51 Non-US Stocks 31.60 31.43 Bonds 1.99 4.46 Cash 3.84 1.44 Other 0.04 6.72 100.00 100.00 Total

		Fund	Bmark	Cat	Fund	•	Bench	mark	Cate	gory Ave	erage	
v	Cyclical	36.71	39.55	35.99						J - /	3"	
i.	Basic Materials	5.06	5.25	4.52		D <b>"</b>						
<b>-</b>	Consumer Cyclical	12.82	11.04	11.05								
ê	Financial Services	14.56	16.01	15.39								
ŧ	Real Estate	4.27	7.25	5.03								
M	Sensitive	41.70	36.75	40.60								
d	Communication Services	9.92	5.63	6.77								
•	Energy	2.43	5.28	5.02		0						
<b>Ģ</b>	Industrials	10.01	11.59	10.32				_				
	Technology	19.34	14.25	18.49								
<b>→</b>	Defensive	21.59	23.72	23.40						[		
-	Consumer Defensive	4.76	7.50	6.93								
٠	Healthcare	13.52	12.84	13.27				Ü				
•	Utilities	3.31	3.38	3.20								

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Name	iviaturity bate	/0 ING! A336!	Guindiative /0	TTD Hetain /0	Worlingstar Sector
⊕ T. Rowe Price Value Z	_	20.90	20.90	_	_
⊕ T. Rowe Price Growth Stock Z	_	16.27	37.17	_	_
⊕ T. Rowe Price Equity Index 500 Z	_	10.28	47.45	_	_
⊕ T. Rowe Price International Value Eq Z	_	7.74	55.19	_	_
⊕ T. Rowe Price Overseas Stock Z	-	7.57	62.76	-	-
⊕ T. Rowe Price International Stock Z	_	6.52	69.28	_	-
	-	4.17	73.44	_	_
⊕ T. Rowe Price Mid-Cap Growth Z	-	3.71	77.15	_	_
⊕ T. Rowe Price Real Assets Z	_	3.23	80.39	_	_
	_	2.86	83.24	_	_

### Total Holdings 23



### T. Rowe Price Retirement I 2060 I TRPLX

Morningstar Category Target-Date 2060 Morningstar Index

Morningstar Mod Tgt Risk TR USD

### Portfolio Manager(s)

Wyatt Lee since 09-2015
Kimberly DeDominicis since 10-2019
Andrew Jacobs van Merlen since 01-2020

#### **Quantitative Screens**

Performance: The fund has finished in the Target-Date 2060 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 7.01 years.

Net Expense: The fund's expense ratio of 0.46 is 35.21% lower than the Target-Date 2060 category average.

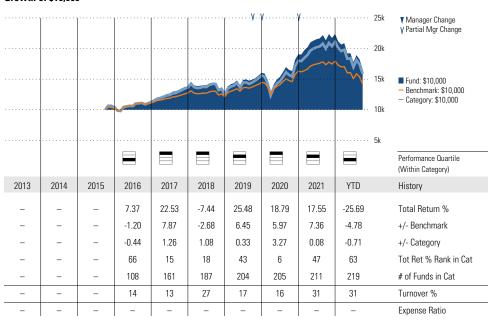
### **Morningstar Investment Management LLC Analysis**

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

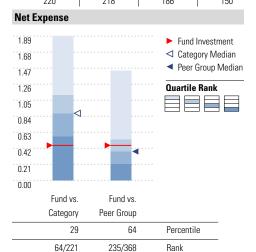
### **ESG Metrics**

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

### Growth of \$10,000



#### **Trailing Performance Total Return %** as of 09-30-2022 Fund 0 Benchmark Category -10 -15 -20 -25 Average annual, if greater than 1 year 3 Month 1 Year 10 year Since Inception 3 yea 5 year Fund Return % -6.35 -22.08 3.71 4.69 7.83 5.17 -5.92 -18.20 1.14 2.95 5.65 Benchmark Return % -6 43 -20 55 3 18 Category Average % 4 14 7 58 36 77 27 14 % Rank in Category 220 218 186 150 # of Funds in Category



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

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	2.59	_	1.99
Beta	1.40	_	1.39
R-Squared	97.93	_	97.78
Standard Deviation	18.67	13.18	18.48
Sharpe Ratio	0.25	0.10	0.22
Tracking Error	5.94	_	5.82
Information Ratio	0.43	_	0.34
Up Capture Ratio	150.09	_	148.24
Down Capture Ratio	136.83	_	138.30

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	19.37	13.15	14.41
Price/Book Ratio	2.77	1.92	2.22
Avg Eff Duration	6.18	_	7.31



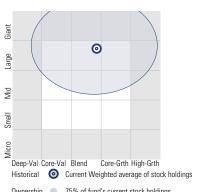
### T. Rowe Price Retirement I 2060 I TRPLX

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

Morningstar Mod Tgt Risk TR USD

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

Morningstar Style Box™



# 50 100

Bmark

Cat

Fund

Asset Allocation as of 09-30-2022

Sector Weighting as of 09-30-2022

Asset Class Net % Cat% US Stocks 62.50 56.48 Non-US Stocks 31.62 31.93 Bonds 1.98 4.49 Cash 3.85 2.21 Other 0.04 4.89 Total 100.00 100.00

Histo	rical (	Ourre	nt Wei	ghted ave	rage of st	ock holdir	ngs	Դ	Cyclical	36.71	39.36	35.61	
Owne	ership	75%	of fund	's current	stock hol	dings		A	Basic Materials	5.06	5.20	4.57	
								A	Consumer Cyclical	12.83	10.78	11.04	
									Financial Services	14.55	16.20	15.14	
Style I	Breakd	lown						仓	Real Estate	4.27	7.18	4.86	
Equity				Fixed	Income		Quality	W	Sensitive	41.73	36.47	40.72	
14	29	29	Large				High		Communication Services	9.94	5.85	6.85	
			Mid				Mid	0	Energy	2.43	5.39	5.04	
5	10	7	₫.				₫:	<b>‡</b>	Industrials	10.00	11.11	10.40	
2	3	2	Small				Low		Technology	19.36	14.12	18.43	•
								$\rightarrow$	Defensive	21.57	24.18	23.66	
Value	Blend	Growth		Ltd Durati	Mod	Ext		Ħ	Consumer Defensive	4.76	7.80	6.98	
Weight	%			Durati	UII				Healthcare	13.51	12.64	13.58	
	_	25 0-10						•	Utilities	3.30	3.74	3.10	

# Fund

All	M	0/ 11 . 1	0 1 :: 0/	VITO D	
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ T. Rowe Price Value Z	_	20.89	20.89	_	_
⊕ T. Rowe Price Growth Stock Z	-	16.35	37.24	_	_
⊕ T. Rowe Price Equity Index 500 Z	_	10.29	47.53	_	-
⊕ T. Rowe Price International Value Eq Z	_	7.74	55.27	_	-
⊕ T. Rowe Price Overseas Stock Z	-	7.56	62.83	_	-
⊕ T. Rowe Price International Stock Z	_	6.51	69.34	_	_
⊕ T. Rowe Price Mid-Cap Value Z	_	4.16	73.50	_	_
⊕ T. Rowe Price Mid-Cap Growth Z	-	3.69	77.19	_	-
⊕ T. Rowe Price Real Assets Z	_	3.25	80.43	_	_
⊕ T. Rowe Price Emerging Markets Stock Z	_	2.87	83.30	_	_

### Total Holdings 23



### T. Rowe Price Retirement I 2065 I TRFKX

Morningstar Category Target-Date 2065+ Morningstar Index

Morningstar Mod Tgt Risk TR USD

### Portfolio Manager(s)

Kimberly DeDominicis since 10-2020 Wyatt Lee since 10-2020 Andrew Jacobs van Merlen since 10-2020

### **Quantitative Screens**

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

- × *Management:* The fund's management team has been in place for less than three years.
- Net Expense: The fund's expense ratio of 0.46 is 33.33% lower than the Target-Date 2065+ category average.

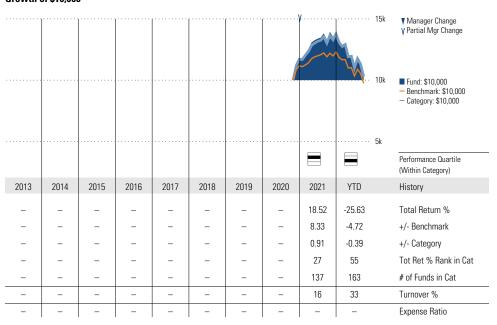
### **Morningstar Investment Management LLC Analysis**

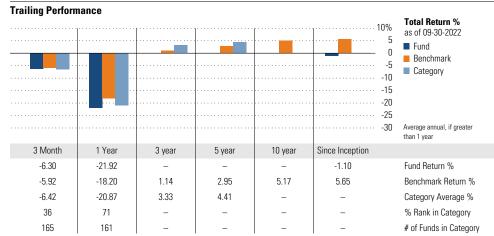
This fund fails the manager tenure screen due to a limited history for this target-date vintage.

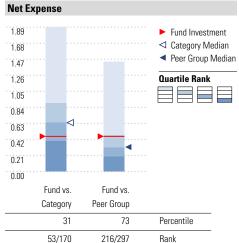
### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	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	_	_	2.06
Beta	_	_	1.41
R-Squared	_	_	98.01
Standard Deviation	_	13.18	18.72
Sharpe Ratio	_	0.10	0.22
Tracking Error	_	_	5.97
Information Ratio	_	_	0.34
Up Capture Ratio	_	_	149.85
Down Capture Ratio	_	_	139.56

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	19.39	13.15	13.99
Price/Book Ratio	2.77	1.92	2.14
Avg Eff Duration	6.09	-	8.22



### T. Rowe Price Retirement I 2065 I TRFKX

Quality High MidLow

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

Target-Date 2065+ Morningstar Mod Tgt Risk TR USD

Cat%

53.41

32.54

7.00

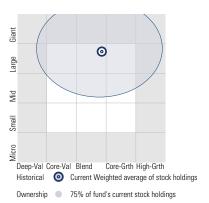
2.40

4.65

100.00

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

Morningstar Style Box™



### Style Breakdown

Equity				rixeu II	icome
14	29	29	Large		
5	10	7	Mid		
2	3	2	Small		
Value	Blend	Growth		Itd	Mod

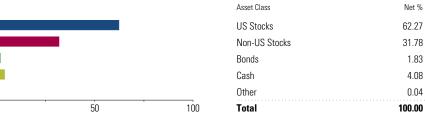
Duration

Weight %

>50 25-50 10-25 0-10



Asset Allocation as of 09-30-2022



	Fund	Bmark	Cat	Fund	v [	Benchm	ark	Cate	gory Ave	erage
Cyclical	36.66	39.36	35.55							
Basic Materials	5.06	5.20	4.71		0					
Consumer Cyclical	12.86	10.78	11.15							
Financial Services	14.52	16.20	15.31				<b>[</b>			
Real Estate	4.22	7.18	4.38		] '					
Sensitive	41.79	36.47	41.47							
Communication Services	9.96	5.85	6.96							
Energy	2.44	5.39	5.14							
Industrials	10.00	11.11	10.65							
Technology	19.39	14.12	18.72							
Defensive	21.53	24.18	22.97	į						
Consumer Defensive	4.75	7.80	7.13							
Healthcare	13.50	12.64	12.79				ı			
Utilities	3.28	3.74	3.05							

<b>Top 10 Holdings</b> as of 09-30-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ T. Rowe Price Value Z	_	20.40	20.40	_	_
⊕ T. Rowe Price Growth Stock Z	-	16.52	36.92	_	_
⊕ T. Rowe Price Equity Index 500 Z	-	10.45	47.37	_	_
⊕ T. Rowe Price International Value Eq Z	-	7.75	55.12	_	_
⊕ T. Rowe Price Overseas Stock Z	-	7.55	62.67	_	-
⊕ T. Rowe Price International Stock Z	_	6.87	69.54	_	-
⊕ T. Rowe Price Mid-Cap Value Z	-	4.03	73.57	_	_
⊕ T. Rowe Price Mid-Cap Growth Z	-	3.71	77.28	_	_
⊕ T. Rowe Price Real Assets Z	-	3.20	80.49	_	_
	_	3.07	83.55	_	_

### Total Holdings 23



### Vanguard 500 Index Admiral VFIAX

### Morningstar Category Large Blend

Morningstar Index S&P 500 TR USD

### Portfolio Manager(s)

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

#### Quantitative Screens

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

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

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

#### **ESG Metrics**

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

### Growth of \$10,000



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



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

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

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



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

Asset Allocation as of 09-30-2022

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

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

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

Morningstar Style Box™



### Style Breakdown

Equity

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

Value Blend Growth

Weight %

>50 25-50 10-25 0-10



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

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

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

Total Holdings 506



### Vanguard Developed Markets Index Admiral VTMGX

**Morningstar Category** Foreign Large Blend

Morningstar Index MSCI ACWI Ex USA NR USD

### Portfolio Manager(s)

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

### **Quantitative Screens**

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

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

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

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

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

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

### **ESG Metrics**

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

### Growth of \$10,000



### **Trailing Performance**



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

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

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

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



# Vanguard Developed Markets Index Admiral VTMGX

### **Morningstar Category**Foreign Large Blend

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

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

Morningstar Style Box™



### Style Breakdown

Equity

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

Value Blend Growth

Weight %

>50 25-50 10-25 0-10

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



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

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

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



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

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

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

### Total Holdings 4132

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



### Vanguard Dividend Growth Inv VDIGX

### **Morningstar Category** Large Blend

Morningstar Index

### S&P 500 TR USD

### Portfolio Manager(s)

Donald Kilbride since 02-2006 Peter Fisher since 07-2022

### **Quantitative Screens**

- Performance: The fund has finished in the Large Blend category's top three quartiles in 8 of the 10 years it's been in existence.
- Management: The fund's management has been in place for 16.67 years.
- Style: The fund has landed in its primary style box Large Blend — 80 % of the time over the past three years.
- Net Expense: The fund's expense ratio of 0.27 is 66.25% lower than the Large Blend category average.

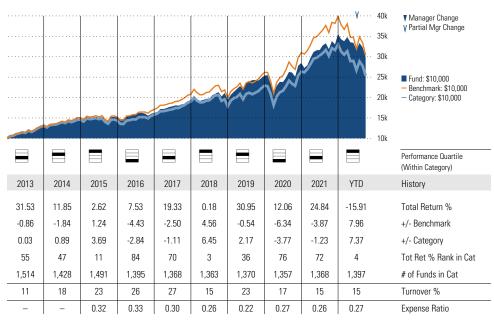
### **Morningstar Investment Management LLC Analysis**

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

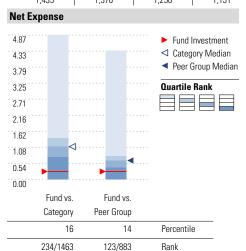
#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	2-Basic	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	0.54	_	-1.32
Beta	0.79	_	0.96
R-Squared	88.70	_	95.48
Standard Deviation	17.00	20.30	19.87
Sharpe Ratio	0.45	0.45	0.37
Tracking Error	7.15	_	4.01
Information Ratio	-0.14	_	-0.98
Up Capture Ratio	81.83	_	92.89
Down Capture Ratio	80.72	-	97.59

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	24.42	17.98	18.23
Price/Book Ratio	5.95	3.38	3.60
Geom Avg Mkt Cap \$B	166.25	164.20	210.33
ROE	37.15	31.94	32.91



# Vanguard Dividend Growth Inv VDIGX

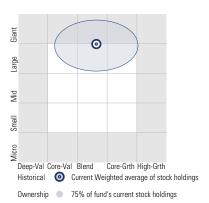
# Morningstar Category Large Blend

Morningstar Index

sategory Worldingstar inte

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

Morningstar Style Box™



### Style Breakdown

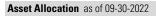
Equity

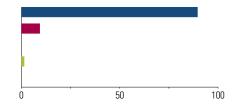
11	66	21	Large
0	2	0	MIG
0	0	0	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10





Total	100.00	100.00
Other	0.00	1.09
Cash	1.28	0.53
Bonds	0.00	0.87
Non-US Stocks	9.21	2.67
US Stocks	89.51	94.84
Asset Class	Net %	Cat%

		Fund	Bmark	Cat	Fund ▼ Benchmark [] Category Average
					Tulid • Delicilliark    Category Average
<u> </u>	Cyclical	32.32	29.69	29.07	
A	Basic Materials	4.72	2.24	2.66	<b>.</b>
A	Consumer Cyclical	10.12	11.44	10.23	
<del>,</del>	Financial Services	14.51	13.11	13.64	
ıπ	Real Estate	2.97	2.90	2.54	
W	Sensitive	31.21	44.73	45.16	
d	Communication Services	1.79	8.07	7.92	
•	Energy	0.00	4.55	4.06	
Ф	Industrials	23.44	8.32	10.09	
	Technology	5.98	23.79	23.09	
<b>→</b>	Defensive	36.48	25.58	25.75	
Ħ	Consumer Defensive	16.53	7.33	7.35	
+	Healthcare	19.95	15.18	15.61	
•	Utilities	0.00	3.07	2.79	
					0% 5 10 15 20 25 30 35 40 4

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ UnitedHealth Group Inc	3.84	3.84	1.52	Healthcare
⊖ Johnson & Johnson	3.46	7.30	-2.57	Healthcare
⊕ Colgate-Palmolive Co	3.38	10.67	-16.05	Consumer Defensive
⊖ Coca-Cola Co	3.32	13.99	-3.16	Consumer Defensive
O Northrop Grumman Corp	3.19	17.18	22.81	Industrials
⊕ TJX Companies Inc	3.18	20.36	-17.06	Consumer Cyclical
⊕ Procter & Gamble Co	3.14	23.51	-21.17	Consumer Defensive
─ Union Pacific Corp	2.95	26.46	-21.17	Industrials
⊕ Visa Inc Class A	2.94	29.40	-17.50	Financial Services
⊕ Honeywell International Inc	2.78	32.18	-18.51	Industrials
⊕ McDonald's Corp	2.75	34.93	-12.38	Consumer Cyclical
Marsh & McLennan Companies Inc	2.74	37.67	-13.16	Financial Services
⊕ Linde PLC	2.70	40.37	-21.17	Basic Materials
⊕ Nike Inc Class B	2.63	43.00	-49.58	Consumer Cyclical
⊕ General Dynamics Corp	2.62	45.62	3.55	Industrials

Total Holdings 56



### 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.

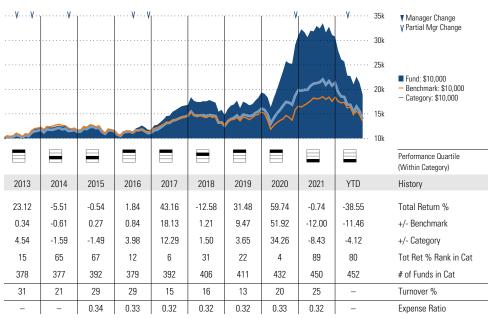
### **Morningstar Investment Management LLC Analysis**

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

#### Fund **Bmark** Cat Alpha 6.31 0.70 0.97 Reta 1 04 R-Squared 72.31 83.00 Standard Deviation 23 42 19 12 20 41 Sharpe Ratio 0.24 -0 04 0.00 Tracking Error 12.35 8.47 Information Ratio 0.44 0.06 Up Capture Ratio 116.70 105.45

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

95.06

103.29



# Vanguard International Growth Adm VWILX

### Morningstar Category Foreign Large Growth N

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

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

Morningstar Style Box™



### Style Breakdown

Equity

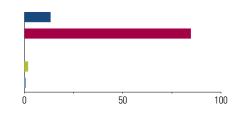
10	33	44	Large
1	4	8	Mid
0	0	0	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10

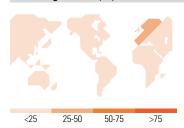
### Asset Allocation as of 09-30-2022



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

Sec	ctor Weighting as of 09-	30-2022											
		Fund	Bmark	Cat	Fund	· •	Benchma	ark [] C	ategory	Average			
Դ	Cyclical	37.82	38.61	34.60			,						
A	Basic Materials	0.51	7.50	6.46		0	' i						
A	Consumer Cyclical	27.26	10.50	12.47									
<del>,</del>	Financial Services	10.05	17.65	14.87				0	7				
侖	Real Estate	0.00	2.96	0.80	[]	1							
W	Sensitive	38.35	33.04	39.45									
d	Communication Services	7.77	5.11	4.52									
•	Energy	2.21	5.02	3.90				į					
Ф	Industrials	10.61	14.77	15.63		- :							
	Technology	17.76	8.14	15.40			<b>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







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

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





# Vanguard International Value Inv VTRIX

### Morningstar CategoryMorningstar IndexForeign Large ValueMSCI EAFE NR USD

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

Morningstar Style Box™



### Style Breakdown

Equity

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

Value Blend Growth

Weight %

>50 25-50 10-25 0-10



50

Asset Allocation as of 09-30-2022



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

100

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



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

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

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

### Total Holdings 238

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



### Vanguard 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**

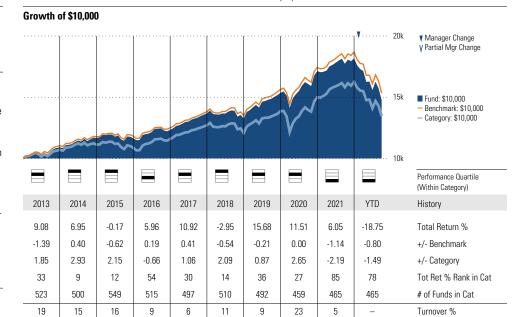
- Performance: The fund has finished in the Allocation--30% to 50% Equity category's top three quartiles in 8 of the 10 years it's been in existence.
- × *Management:* The fund's management team has been in place for less than three years.
- Net Expense: The fund's expense ratio of 0.12 is 87.23% lower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

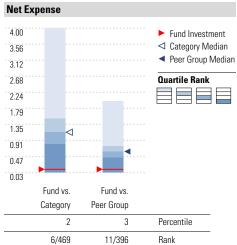
### **ESG Metrics**

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





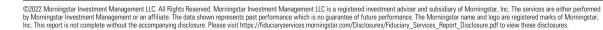
3-Year Risk Metrics



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%

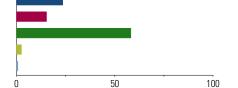
**Morningstar Index** 

Morningstar US Mod Con Tgt Alloc NR

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

Morningstar Style Box™



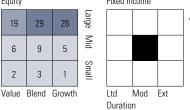


Asset Allocation as of 09-30-2022



### Style Breakdown

Equity





>50 25-50 10-25 0-10

		Fund	Bmark	Cat	Fund	•	Bench	mark	Cate	gory Ave	rage	_	
b	Cyclical	34.82	33.90	35.53									
à.	Basic Materials	4.76	4.13	3.67									
	Consumer Cyclical	10.77	11.39	9.21									
<u></u>	Financial Services	15.48	14.90	14.07									
b	Real Estate	3.81	3.48	8.58									
NF	Sensitive	41.82	42.04	38.80									
	Communication Services	7.46	6.90	6.45									
	Energy	4.87	5.01	5.29									
þ	Industrials	10.67	10.46	9.52									
2	Technology	18.82	19.67	17.54						_ :			
+	Defensive	23.35	24.06	25.66									
Ę	Consumer Defensive	7.30	7.45	7.27									
1	Healthcare	12.92	13.50	14.41				<b>I</b>					
•	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	_	_
	_	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

Expense Ratio

### Portfolio Manager(s)

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

#### **Quantitative Screens**

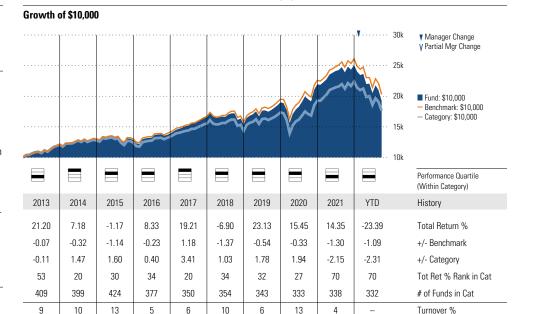
- Performance: The fund has finished in the Allocation-70% to 85% Equity category's top three quartiles in 10 of the 10 years it's been in existence.
- × *Management:* The fund's management team has been in place for less than three years.
- Net Expense: The fund's expense ratio of 0.14 is 86% lower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

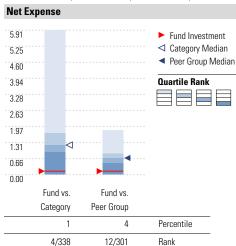
### **ESG Metrics**

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





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	-0.92	-	-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 Idx 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



### Vanguard LifeStrategy Income Inv VASIX

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

Fauity

Morningstar US 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--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.

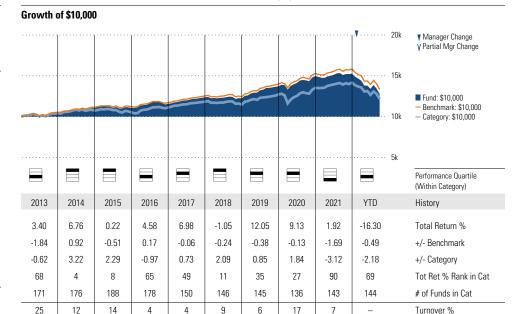
Net Expense: The fund's expense ratio of 0.11 is 88.89% lower than the Allocation--15% to 30% Equity category average.

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

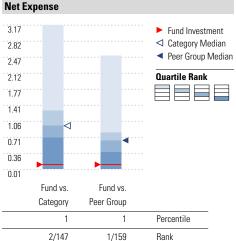
Although this fund technically fails the manager tenure screen due to changes in how the portfolio management team is listed, in fact the same team that oversees the strategy remains in place.

### **ESG Metrics**

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



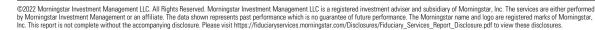




Peer group is a subset of the category and includes funds with the
same management style (active vs. passive) and similar share class
characteristics.

	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

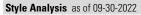




### Vanguard LifeStrategy Income Inv VASIX

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

Morningstar US Con Tgt Alloc NR USD



Morningstar Style Box™

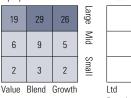


# 100

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



### Vanguard LifeStrategy Moderate Gr Inv VSMGX

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

nuity.

Morningstar US Mod Tgt Alloc NR USD

### Portfolio Manager(s)

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

#### **Quantitative Screens**

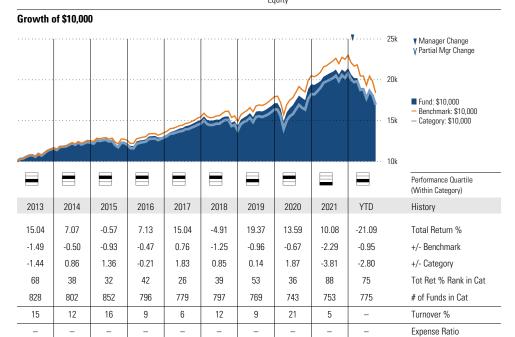
- Performance: The fund has finished in the Allocation--50% to 70% Equity category's top three quartiles in 9 of the 10 years it's been in existence.
- × *Management:* The fund's management team has been in place for less than three years.
- Net Expense: The fund's expense ratio of 0.13 is 87.38% lower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

### **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.

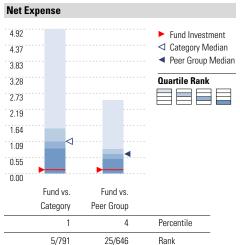
### **ESG Metrics**

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





3-Year Risk Metrics



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

	Fund	Bmark	Cat
Alpha	-1.30	-	-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

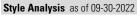




### Vanguard LifeStrategy Moderate Gr Inv VSMGX

Morningstar Category Allocation--50% to 70%

Morningstar 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



# 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	Ď		
Technology	0.05	0.00	0.29	Í		
Defensive	0.00	0.00	0.03			
Consumer Defensive	0.00	0.00	0.00	ĺ		
Healthcare	0.00	0.00	0.01	İ		
Utilities	0.00	0.00	0.02	Ī		

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

**Total Holdings** 171



### Vanguard Selected Value Inv VASVX

### Morningstar Category Mid-Cap Value

Morningstar Index

Russell Mid Cap Value TR USD

### Portfolio Manager(s)

Richard Greenberg since 02-2005 Richard Pzena since 03-2014 John Flynn since 12-2015 Benjamin Silver since 02-2017 Jonathan Hartsel since 11-2019 William Weber since 12-2019 Mehul Trivedi since 12-2019

#### **Quantitative Screens**

Performance: The fund has finished in the Mid-Cap Value category's top three quartiles in 7 of the 10 years it's been in existence.

Management: The fund's management has been in place for 17.61 years.

✓ Net Expense: The fund's expense ratio of 0.32 is
67.68% lower than the Mid-Cap Value category average.

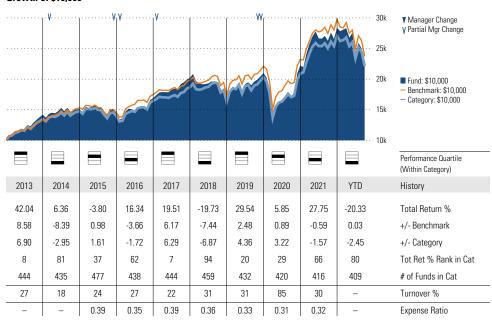
### **Morningstar Investment Management LLC Analysis**

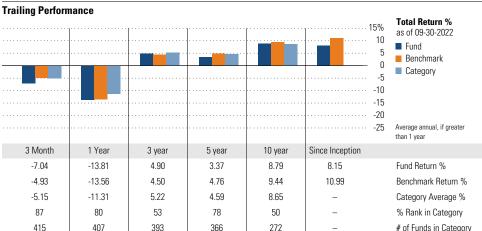
This fund passes all of Morningstar Investment
Management's quantitative screens. Morningstar
Investment Management has also assessed the fund from a
qualitative perspective and, as a fiduciary, is comfortable
recommending the fund's use in retirement plans.

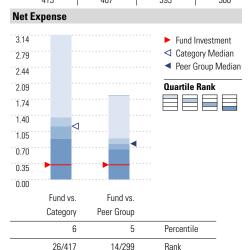
### **ESG Metrics**

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

### Growth of \$10,000



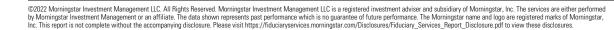




Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

3-Year Kisk Metrics			
	Fund	Bmark	Cat
Alpha	0.43	_	0.52
Beta	1.14	_	1.00
R-Squared	96.58	_	96.16
Standard Deviation	27.72	23.86	24.29
Sharpe Ratio	0.29	0.28	0.29
Tracking Error	6.14	-	5.16
Information Ratio	0.07	_	0.07
Up Capture Ratio	113.55	_	99.34
Down Capture Ratio	113.45	_	98.03

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	8.98	12.78	12.07
Price/Book Ratio	1.26	1.86	1.68
Geom Avg Mkt Cap \$B	7.95	14.50	11.80
ROE	16.57	15.61	18.22





# Vanguard Selected Value Inv VASVX

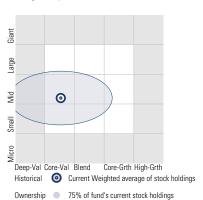
### Morningstar Category ■ Mid-Cap Value

Morningstar Index

Russell Mid Cap Value TR USD

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

Morningstar Style Box™



### Style Breakdown

Equity

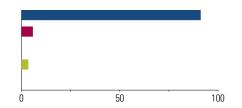
3	6	1	Laige
29	20	4	MIN
19	16	2	JIIdii

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	0.26
Cash	3.31	2.46
Bonds	0.00	0.05
Non-US Stocks	5.63	6.72
US Stocks	91.06	90.50
Asset Class	Net %	Cat%

		Fund	Bmark	Cat	Fund	•	Bend	hmark	Ca	itegory	Avera	ge	
٠	Cyclical	47.02	46.07	41.08				•		•			
à.	Basic Materials	5.54	5.87	5.82									
	Consumer Cyclical	12.83	10.16	10.46									
<u></u>	Financial Services	26.93	17.84	18.41									
à	Real Estate	1.72	12.20	6.39			'						
Ųľ	Sensitive	36.06	33.19	33.83									
	Communication Services	1.69	3.59	3.06									
	Energy	4.62	5.26	6.91		ı" [							
ž	Industrials	18.97	14.35	15.16									
3	Technology	10.78	9.99	8.70									
+	Defensive	16.92	20.72	25.09									
Ę	Consumer Defensive	4.42	4.43	6.92									
r	Healthcare	8.25	7.39	11.57		. '							
1	Utilities	4.25	8.90	6.60			7						

A.I	2/ N · A ·	0 1 :: 0/	VITO D	
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
	3.26	3.26	_	_
⊕ AerCap Holdings NV	2.73	5.99	-35.30	Industrials
	1.85	7.84	-31.34	Technology
⊕ Gildan Activewear Inc	1.78	9.63	-25.97	Consumer Cyclical
─ Unum Group	1.75	11.38	61.70	Financial Services
Globe Life Inc	1.61	12.98	7.03	Financial Services
Taylor Morrison Home Corp	1.48	14.47	-33.30	Consumer Cyclical
Edison International	1.48	15.95	-14.02	Utilities
Axis Capital Holdings Ltd	1.34	17.29	-7.40	Financial Services
Helen Of Troy Ltd	1.30	18.59	-60.55	Consumer Defensive
	1.30	19.89	7.74	Technology
Lear Corp	1.22	21.11	-33.32	Consumer Cyclical
Avnet Inc	1.19	22.30	-10.43	Technology
Jefferies Financial Group Inc	1.19	23.49	-21.65	Financial Services
Equitable Holdings Inc	1.18	24.67	-17.87	Financial Services

**Total Holdings** 137



### Vanguard Value Index Adm VVIAX

### Portfolio Manager(s)

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

#### Quantitative Screens

- Performance: The fund has finished in the Large Value category's top three quartiles in 10 of the 10 years it's been in existence.
- Management: The fund's management has been in place for 27.77 years.
- Style: The fund has landed in its primary style box Large Value — 100 % of the time over the past three years.
- Net Expense: The fund's expense ratio of 0.05 is 94.51% lower than the Large Value category average.

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

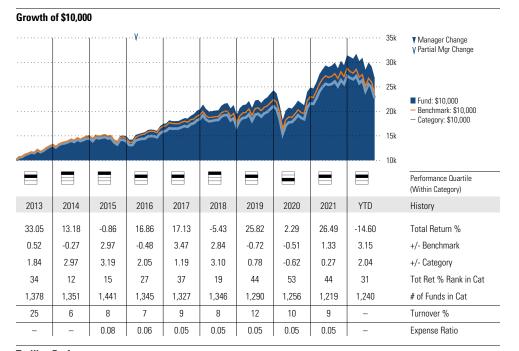
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

#### **ESG Metrics**

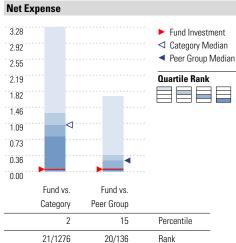
Metric	Rating	Updated
Sustainability Rating	2	08-31-2022
Carbon Risk Score	Medium Risk	06-30-2022
ESG Commitment	1-Low	02-15-2022

**Morningstar Category** Large Value

Morningstar Index Russell 1000 Value TR USD



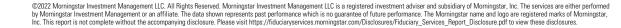




Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	1.87	-	1.02
Beta	0.93	-	0.98
R-Squared	98.97	-	95.47
Standard Deviation	19.12	20.45	20.54
Sharpe Ratio	0.37	0.28	0.32
Tracking Error	2.41	-	4.62
Information Ratio	0.74	-	0.21
Up Capture Ratio	98.97	-	99.08
Down Capture Ratio	92.25	-	95.67

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	15.50	13.75	12.66
Price/Book Ratio	2.54	2.00	2.12
Geom Avg Mkt Cap \$B	100.80	64.23	95.02
ROE	25.15	18.55	25.15

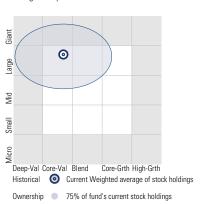




# Vanguard Value Index Adm VVIAX

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

Morningstar Style Box™



### Style Breakdown

Equity

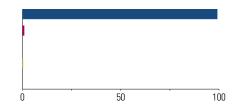
34	38	6	Large
8	12	1	Mid
0	0	0	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10

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



Total	100.00	100.00
Other	0.00	0.71
Cash	0.19	1.70
Bonds	0.00	0.32
Non-US Stocks	0.77	5.78
US Stocks	99.03	91.50
Asset Class	Net %	Cat%

**Morningstar Index** 

Russell 1000 Value TR USD

**Morningstar Category** 

Large Value

Sec	ctor Weighting as of 09-3	30-2022											
		Fund	Bmark	Cat	Fund	•	Benchma	ırk 🛚 C	ategory	Average		,	
Դ	Cyclical	28.34	34.81	32.14									
A.	Basic Materials	2.71	3.61	3.28									
A	Consumer Cyclical	2.61	5.97	6.56									
<del>,</del>	Financial Services	19.61	20.20	19.02									
ıπ	Real Estate	3.41	5.03	3.28		0							
W	Sensitive	32.29	34.35	36.44									
	Communication Services	3.72	8.11	6.86									
ð	Energy	7.82	7.84	8.23									
Ф	Industrials	12.30	10.01	10.72									
	Technology	8.45	8.39	10.63			<b>=</b> [						
<b>→</b>	Defensive	39.37	30.84	31.42			_			•			
Ħ	Consumer Defensive	11.36	7.42	8.73					_				
+	Healthcare	21.89	17.47	17.09					* :				
•	Utilities	6.12	5.95	5.60									
					no/-	5	10	15	20	25	30	25	40

<b>Top 15 Holdings</b> as of 09-30-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Berkshire Hathaway Inc Class B	3.07	3.07	-10.70	Financial Services
⊕ UnitedHealth Group Inc	3.01	6.09	1.52	Healthcare
⊕ Johnson & Johnson	2.72	8.81	-2.57	Healthcare
⊕ Exxon Mobil Corp	2.42	11.22	47.00	Energy
⊕ JPMorgan Chase & Co	2.01	13.23	-32.11	Financial Services
⊕ Procter & Gamble Co	1.97	15.20	-21.17	Consumer Defensive
⊕ Chevron Corp	1.71	16.92	26.06	Energy
→ Pfizer Inc	1.68	18.59	-23.86	Healthcare
⊕ Eli Lilly and Co	1.67	20.26	18.13	Healthcare
→ AbbVie Inc	1.50	21.76	2.52	Healthcare
⊕ Coca-Cola Co	1.48	23.25	-3.16	Consumer Defensive
€ PepsiCo Inc	1.43	24.68	-4.07	Consumer Defensive
Ð Bank of America Corp	1.37	26.05	-30.68	Financial Services
⊕ Merck & Co Inc	1.34	27.39	15.07	Healthcare
⊕ Broadcom Inc	1.23	28.62	-31.42	Technology

**Total Holdings 347** 

