# **American Century Inflation Adjs Bond Inv** ACITX

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

# Portfolio Manager(s)

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

## **Quantitative Screens**

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

Management: The fund's management has been in place for 21.85 years.

Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 0.51 is 17.74% lower than the Inflation-Protected Bond category average.

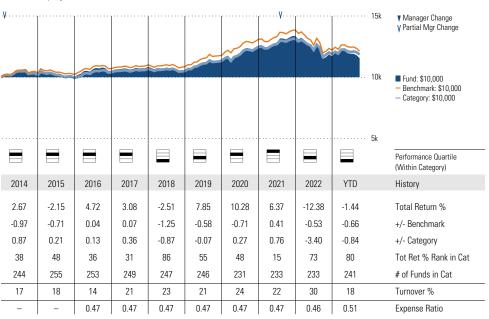
## **Morningstar Investment Management LLC Analysis**

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

### **ESG Metrics**

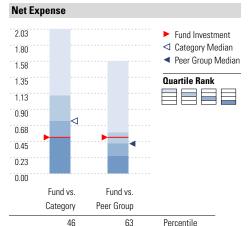
Metric	Rating	Updated
Sustainability Rating	3	08-31-2023

# Growth of \$10,000



# **Trailing Performance**

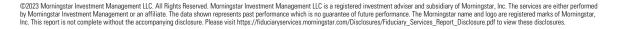




	110/240	107/170	Rank	
Peer gro	up is a subset o	f the category an	d includes fun	ds with the
same m	anagement style	(active vs. passi	ve) and simila	r share class
characte	prietice			

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	-0.19	_	0.39
Beta	1.02	_	0.89
R-Squared	99.44	_	93.36
Standard Deviation	6.99	6.86	6.33
Sharpe Ratio	-0.57	-0.55	-0.44
Tracking Error	0.53	_	1.95
Information Ratio	-0.42	_	-0.07
Up Capture Ratio	100.81	_	90.18
Down Capture Ratio	102.93	-	86.17

Portfolio Metrics			
	Fund	Bmark	Cat
Avg Eff Duration	7.37	4.52	5.88
Avg Eff Maturity	6.80	-	6.75



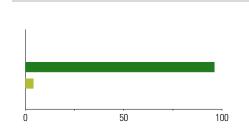


# American Century Inflation Adjs Bond Inv ACITX

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

Style Analysis as of 09-30-2023 Style Breakdown





Asset Allocation as of 09-30-2023

Asset Class	Net %	Cat%
US Stocks	0.00	0.11
Non-US Stocks	0.00	0.00
Bonds	96.06	99.64
Cash	3.94	-0.10
Other	0.00	0.36
Total	100.00	100.00

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	94.68	0.00	88.72
AA	1.08	99.60	3.39
A	1.39	0.00	1.89
BBB	0.61	0.00	2.59
BB	0.00	0.00	1.01
В	0.00	0.00	0.58
Below B	0.00	0.00	0.20
Not Rated	2.24	0.40	1.62

	Fund	Bmark	Cat	Fund	•	Beno	hmarl	k [	] Ca	iteg	ory A	vera	ge		
Government	92.62	_	90.29												
Treasury	0.00	_	0.28												
Inflation – Protected	62.00	_	80.77												
Agency/Quasi Agency	0.00	_	0.09	0											
Other Government Related	30.62	_	9.15												
Corporate	0.76	-	1.40	10											
Corporate Bond	0.76	_	1.37												
Bank Loan	0.00	_	0.03	0											
Convertible	0.00	_	0.00	0											
Preferred	0.00	_	0.00	0											
Securitized	2.50	-	4.02												
Agency MBS Pass-Through	0.00	_	1.19	0											
Agency MBS ARM	0.00	_	0.00												
Agency MBS CMO	0.01	_	0.27												
Non-Agency Residential MBS	0.03	_	0.06												
Commercial MBS	0.36	_	0.20												
Asset-Backed	2.10	_	2.04												
Covered Bond	0.00	_	0.26												
Municipal	0.00	-	0.00												
Cash & Equivalents	4.12	_	4.18												
Other	0.00	_	0.10												

**Top 10 Holdings** as of 09-30-2023 Name Maturity Date % Net Asset Cumulative % Fixed Income Sector ① Us 5yr Note (Cbt) Sep23 Xcbt 20230929 09-2023 10.79 10.79 United States Treasury Notes 0.625% 01-2026 4.80 15.60 ① State Street Bank & Trust Co 5 Repo - 03jul23 07-2023 4.01 19.60 ① United States Treasury Notes 0.625% 01-2024 3.46 23.06 ① United States Treasury Notes 0.125% 04-2027 26.51 3.45 ① United States Treasury Notes 0.125% 10-2025 3.41 29.92 United States Treasury Bonds 2% 01-2026 3.35 33.28 ① Future on Ultra 10 Year US Treasury Note 09-2023 3.29 36.57 ① Future on 2 Year Treasury Note 09-2023 3.28 39.85 ① United States Treasury Notes 0.5% 01-2028 2.69 42.54

Total Holdings 135



# American Century Mid Cap Value Inv ACMVX

Morningstar Category
Mid-Cap Value

Morningstar Index

Russell Mid Cap Value TR USD

Turnover %

Expense Ratio

# Portfolio Manager(s)

Michael Liss since 03-2004 Kevin Toney since 08-2008 Brian Woglom since 02-2012 Nathan Rawlins since 03-2022

## **Quantitative Screens**

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

✓ Net Expense: The fund's expense ratio of 0.98 is 1.03% higher than the Mid-Cap Value category average.

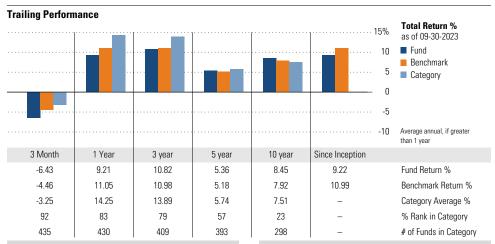
## **Morningstar Investment Management LLC Analysis**

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	08-31-2023
Carbon Risk Score	Medium Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

#### Growth of \$10,000 ▼ Manager Change V Partial Mgr Change Fund: \$10,000 Benchmark: \$10,000 Category: \$10,000 Performance Quartile (Within Category) 2014 2015 2016 2017 2018 2019 2020 2021 2022 YTD History 16.33 -1.56 22.84 11.58 -13.01 28.88 1.62 23.14 -1.47 -3.89 Total Return % 3.22 1.58 2.84 -1.76 -0.72 1.82 -3.34 -5.20 10.56 -4.43 +/- Benchmark 7.02 3.85 4.78 -1.64 -0.15 3.70 -1.01 -6.18 6.55 -6.08 +/- Category 2 15 15 69 50 25 61 92 9 92 Tot Ret % Rank in Cat 452 497 478 451 439 439 425 # of Funds in Cat 459 464 430



55

0.98

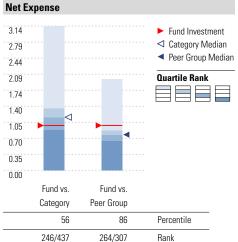
65

0.97

50

0.97

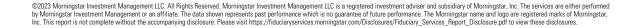
0.98



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	1.26	_	2.65
Beta	0.85	_	0.98
R-Squared	94.19	_	94.38
Standard Deviation	17.38	19.86	19.94
Sharpe Ratio	0.56	0.52	0.63
Tracking Error	5.15	_	4.81
Information Ratio	-0.03	_	0.55
Up Capture Ratio	86.51	_	100.27
Down Capture Ratio	81.79	_	90.56

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	16.09	15.63	14.80
Price/Book Ratio	1.98	2.12	1.91
Geom Avg Mkt Cap \$B	17.74	17.17	13.33
ROE	15.11	13.69	14.35



67

66

1.00

49

0.98

47

0.96

53

0.96



# American Century Mid Cap Value Inv ACMVX

# Morningstar Category Mid-Cap Value

Morningstar Index

Russell Mid Cap Value TR USD

# Style Analysis as of 09-30-2023

Morningstar Style Box™



# Style Breakdown

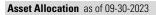
Equity

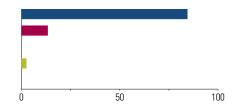
5	8	0	Large
35	35	4	MIG
5	9	0	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10





Other Total	0.00	0.49
Cash	2.40	2.08
Bonds	0.00	0.01
Non-US Stocks	13.25	7.17
US Stocks	84.35	90.26
Asset Class	Net %	Cat%

Sec	ctor Weighting as of 09-3	30-2023			
		Fund	Bmark	Cat	Fund Fenchmark Category Average
<sub>Մ</sub>	Cyclical	33.40	41.67	40.33	
ů.	Basic Materials	1.90	6.29	5.17	
<b>A</b>	Consumer Cyclical	5.73	10.23	11.91	
ø	Financial Services	18.12	14.59	17.12	
<b>fi</b>	Real Estate	7.65	10.56	6.13	
W	Sensitive	32.00	39.91	36.95	
	Communication Services	3.59	3.59	3.15	
ð	Energy	5.32	5.64	5.73	
Ф	Industrials	16.73	18.32	17.63	
	Technology	6.36	12.36	10.44	
<b>→</b>	Defensive	34.60	18.41	22.70	
Ħ	Consumer Defensive	9.65	3.76	6.52	
+	Healthcare	14.90	7.48	9.81	
•	Utilities	10.05	7.17	6.37	
					0% 5 10 15 20 25 30 35 40 4

<b>Top 15 Holdings</b> as of 09-30-2023				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
	2.55	2.55	-11.42	Healthcare
○ Northern Trust Corp	2.25	4.80	-18.94	Financial Services
⊕ Allstate Corp	2.22	7.02	-15.87	Financial Services
⊕ Edison International	2.21	9.23	2.96	Utilities
⊕ Conagra Brands Inc	2.15	11.38	-26.54	Consumer Defensive
⊕ Bank of New York Mellon Corp	2.09	13.47	-3.76	Financial Services
─ Koninklijke Ahold Delhaize NV	2.00	15.48	_	Consumer Defensive
Henry Schein Inc	1.92	17.40	-7.04	Healthcare
⊕ Oshkosh Corp	1.92	19.32	9.60	Industrials
⊕ Emerson Electric Co	1.92	21.24	2.15	Industrials
Southwest Airlines Co	1.69	22.93	-17.46	Industrials
Packaging Corp of America	1.69	24.62	22.98	Consumer Cyclical
Spire Inc	1.69	26.31	-14.70	Utilities
Dollar Tree Inc	1.64	27.95	-24.74	Consumer Defensive
Enterprise Products Partners LP	1.63	29.58	19.61	Energy

## **Total Holdings** 102



# American Century Real Estate Inv REACX

Morningstar Category Real Estate Morningstar Index

S&P United States REIT TR USD

# Portfolio Manager(s)

Steven Brown since 11-2008 Steven Rodriguez since 12-2009 Vishal Govil since 12-2011

### **Quantitative Screens**

- Q Performance: The fund has finished in the Real Estate category's top three quartiles in 9 of the 10 years it's been in existence.
- Management: The fund's management has been in place for 14.88 years.
- $\times$  Style: The fund has landed in its primary style box Mid-Cap Blend 60 % of the time over the past three years.
- Net Expense: The fund's expense ratio of 1.15 is 7.48% higher than the Real Estate category average.

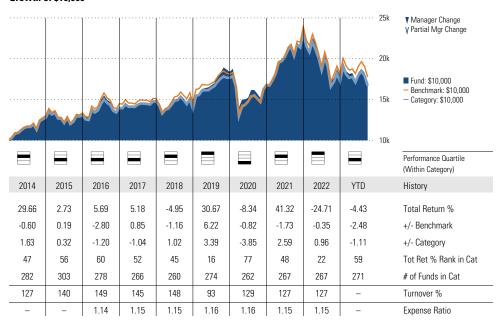
## **Morningstar Investment Management LLC Analysis**

This fund fails the style screen but reamins focused on real estate securities so we do not regard the failure as significant.

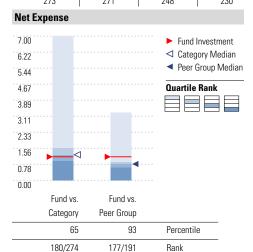
## **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	4	08-31-2023
Carbon Risk Score	Low Risk	12-31-2022

# Growth of \$10,000



#### **Trailing Performance Total Return %** as of 09-30-2023 ■ Fund Benchmark Category Average annual, if greater than 1 year 3 Month 1 Year 10 year Since Inception 3 yea 5 year Fund Return % -6.41 -0.252.96 2.74 5.55 8.95 -7.02 3.21 5.76 2.77 5.84 8.63 Benchmark Return % -7 45 0.51 3 20 5 23 2 15 Category Average % 16 50 60 44 46 % Rank in Category 273 271 248 230 166 # 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	-2.49	-	-2.17
Beta	0.96	_	0.96
R-Squared	97.50	_	94.42
Standard Deviation	19.91	20.45	20.13
Sharpe Ratio	0.14	0.27	0.16
Tracking Error	3.25	_	4.33
Information Ratio	-0.86	_	-0.70
Up Capture Ratio	92.57	_	92.28
Down Capture Ratio	100.97	_	99.74

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	32.14	38.46	31.64
Price/Book Ratio	2.36	2.42	2.27
Geom Avg Mkt Cap \$B	28.17	9.35	31.22
ROE	14.65	9.56	14.92



# American Century Real Estate Inv REACX

Morningstar Index **Morningstar Category** Real Estate

S&P United States REIT TR USD

Style Analysis as of 09-30-2023

Morningstar Style Box™



# Style Breakdown

Equity

0	18	19	Large
5	39	2	Mid
3	12	1	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10



50

Asset Allocation as of 09-30-2023

Asset Class Net % Cat% US Stocks 98.85 84.46 Non-US Stocks 0.00 1.18 Bonds 0.00 3.40 Cash 1.15 0.51 Other 0.00 10.42 Total 100.00 100.00

	Fund	Bmark	Cat	Fund	▼ Benchmark	Category Average
Cyclical	100.00	99.13	99.22			
Basic Materials	0.00	0.00	0.05	Ĭ		
Consumer Cyclical	2.04	0.13	1.55	i		
Financial Services	0.00	0.00	0.29	ĺ		
Real Estate	97.96	99.00	97.33			
Sensitive	0.00	0.87	0.71	Ó		
Communication Services	0.00	0.00	0.20	İ		
Energy	0.00	0.00	0.04	Ĺ		
Industrials	0.00	0.87	0.26	Ď.		
Technology	0.00	0.00	0.21	İ		
▶ Defensive	0.00	0.00	0.07			
Consumer Defensive	0.00	0.00	0.00	j		
Healthcare	0.00	0.00	0.01	ĺ		
Utilities	0.00	0.00	0.06	[ ]		

100

<b>Top 15 Holdings</b> as of 09-30-2023				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Prologis Inc	13.35	13.35	1.85	Real Estate
⊕ American Tower Corp	10.93	24.28	-20.90	Real Estate
⊖ Equinix Inc	8.21	32.49	12.44	Real Estate
⊕ AvalonBay Communities Inc	6.18	38.67	9.39	Real Estate
Public Storage	4.81	43.48	-2.74	Real Estate
⊕ Digital Realty Trust Inc	4.78	48.26	24.34	Real Estate
Welltower Inc     ■     Welltower Inc     ■     Welltower Inc     ■     Welltower Inc     ■     Welltower Inc     ■     Welltower Inc     ■     Welltower Inc     ■     Welltower Inc     ■     Welltower Inc     ■     Welltower Inc     Wel	3.93	52.19	27.77	Real Estate
→ VICI Properties Inc Ordinary Shares	3.20	55.39	-6.50	Real Estate
⊕ American Homes 4 Rent Class A	3.19	58.57	13.97	Real Estate
Iron Mountain Inc	3.17	61.74	23.04	Real Estate
⊕ Kite Realty Group Trust	3.09	64.83	5.18	Real Estate
∀entas Inc	2.95	67.79	-3.49	Real Estate
→ UDR Inc	2.68	70.47	-4.75	Real Estate
⊕ Essential Properties Realty Trust Inc	2.35	72.81	-4.28	Real Estate
⊕ Invitation Homes Inc	2.27	75.08	9.55	Real Estate

## Total Holdings 38



# American Funds New Perspective R4 RNPEX

# **Morningstar Category**

Morningstar Index

### Global Large-Stock Growth MSCI ACWI NR USD

# Portfolio Manager(s)

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

### **Quantitative Screens**

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

Management: The fund's management has been in place for 22.84 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 0.76 is 28.97% lower than the Global Large-Stock Growth category

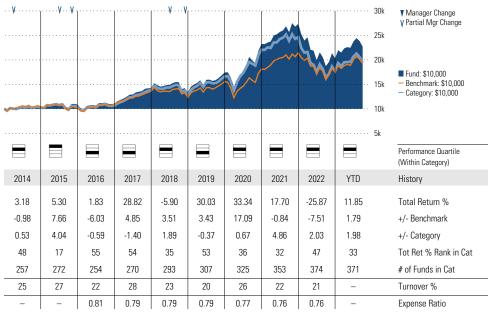
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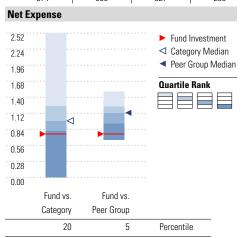
# **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	2	08-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	2-Basic	02-15-2022

# Growth of \$10,000







5/103 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	-2.71	_	-5.37
Beta	1.11	_	1.09
R-Squared	96.15	_	87.87
Standard Deviation	19.33	17.09	20.08
Sharpe Ratio	0.22	0.35	0.09
Tracking Error	4.23	_	7.12
Information Ratio	-0.55	_	-0.70
Up Capture Ratio	104.53	_	96.80
Down Capture Ratio	115.93	_	119.97

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	21.65	18.01	25.97
Price/Book Ratio	3.64	2.62	4.60
Geom Avg Mkt Cap \$B	118.09	114.17	155.31
ROE	25.53	25.38	24.52

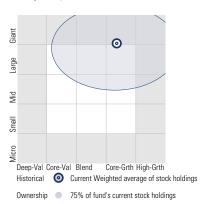


# American Funds New Perspective R4 RNPEX

# Morningstar CategoryMorningstar IndexGlobal Large-Stock GrowthMSCI ACWI NR USD

# Style Analysis as of 09-30-2023

Morningstar Style Box™



# Style Breakdown

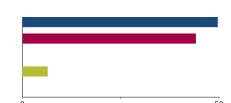
Equity

Large	- N	ollall
48	5	1
27	5	0
12	2	0

Value Blend Growth

Weight %

>50 25-50 10-25 0-10



Asset Allocation as of 09-30-2023

Total	100.00	100.00
Other	0.00	0.56
Cash	6.35	2.05
Bonds	0.00	0.01
Non-US Stocks	44.04	38.96
US Stocks	49.61	58.42
Asset Class	Net %	Cat%

	ctor Weighting as of 09-3			_	_		_		По						
		Fund	Bmark	Cat	Fun	d	▼ Ben	chmark	[] Ca	ategory	Avera	ge •			
Դ	Cyclical	29.70	32.83	28.54											
A.	Basic Materials	5.06	4.34	2.80											
<b>A</b>	Consumer Cyclical	13.42	11.16	12.02											
₽	Financial Services	10.68	14.95	12.79				0							
<b>fi</b>	Real Estate	0.54	2.38	0.93	•										
W	Sensitive	45.69	45.72	49.56											[
	Communication Services	7.46	7.59	7.78		-	Ö								
ð	Energy	4.43	4.93	2.13											
Ф	Industrials	12.40	10.27	11.68		- :									
	Technology	21.40	22.93	27.97						1					
<b>→</b>	Defensive	24.62	21.45	21.91											
Ħ	Consumer Defensive	6.10	7.05	5.25			<b>'</b>								
+	Healthcare	17.50	11.84	15.76											
•	Utilities	1.02	2.56	0.90											
					0%	5	10	15	20	25	30	35	40	45	50

# World Regions % Equity 09-30-2023



Greater Asia	Fund % 11.44	Cat % 12.26
Japan	3.17	4.11
Australasia	0.09	0.24
Asia-4 Tigers	5.62	3.56
Asia-ex 4 Tigers	2.56	4.35
Not Classified	0.00	0.00

Americas	Fund % 57.58	Cat % 63.40	Greater Europe	Fund % 30.99	Cat % 24.36	Market Maturity	Fund %
North America	56.23	62.03	United Kingdom	5.54	4.38	Developed Markets	95.76
Central/Latin	1.35	1.37	W euro-ex UK	24.95	19.65	Emerging Markets	4.24
			Emrgng Europe	0.00	0.02	Not Available	0.00
			Africa	0.50	0.31		

<b>Top 10 Holdings</b> as of 09-30-2023				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Capital Group Central Cash Fund	6.35	6.35	_	_
	4.69	11.04	32.51	Technology
◆ Novo Nordisk A/S Class B	2.48	13.52	_	Healthcare
○ Tesla Inc     ○	2.39	15.91	103.13	Consumer Cyclical
Taiwan Semiconductor Manufacturing Co Ltd	2.29	18.21	-	Technology
	2.15	20.36	149.47	Communication Svc
⊕ Broadcom Inc	1.91	22.27	51.02	Technology
⊖ Eli Lilly and Co	1.51	23.78	47.75	Healthcare
	1.46	25.24	_	Technology
LVMH Moet Hennessy Louis Vuitton SE	1.33	26.58	-	Consumer Cyclical

# Total Holdings 297



# American Funds New World R4 RNWEX

# Morningstar CategoryMorningstar IndexDiversified Emerging MktsMSCI EM NR USD

# Portfolio Manager(s)

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

### **Quantitative Screens**

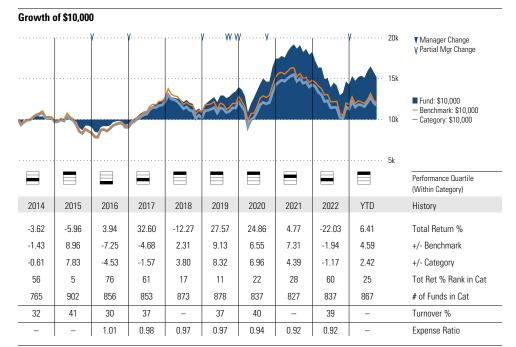
- Performance: The fund has finished in the Diversified Emerging Mkts category's top three quartiles in 9 of the 10 years it's been in existence.
- Management: The fund's management has been in place for 24.3 years.
- Style: The fund has landed in its primary style box Large Growth — 100 % of the time over the past three years.
- Net Expense: The fund's expense ratio of 0.93 is 18.42% lower than the Diversified Emerging Mkts category average.

## **Morningstar Investment Management LLC Analysis**

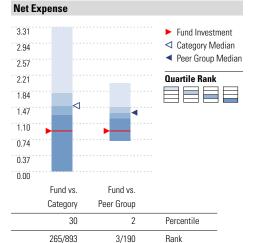
This fund passes all of Morningstar Investment
Management's quantitative screens. Morningstar
Investment Management has also assessed the fund from a
qualitative perspective and, as a fiduciary, is comfortable
recommending the fund's use in retirement plans.

### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	08-31-2023
Carbon Risk Score	Medium Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022



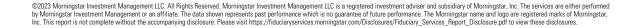




Peer group is a subset of the category and includes funds with the
same management style (active vs. passive) and similar share class
characteristics

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	2.78	_	0.13
Beta	0.85	_	0.96
R-Squared	78.79	_	87.58
Standard Deviation	17.07	17.90	18.47
Sharpe Ratio	0.03	-0.12	-0.10
Tracking Error	8.33	_	6.34
Information Ratio	0.35	_	-0.02
Up Capture Ratio	92.33	_	98.68
Down Capture Ratio	81.12	_	98.67

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	18.17	12.44	13.62
Price/Book Ratio	2.98	1.57	1.94
Geom Avg Mkt Cap \$B	59.03	34.93	45.85
ROE	22.42	16.48	18.37



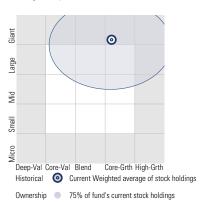


# American Funds New World R4 RNWEX

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

# Style Analysis as of 09-30-2023

Morningstar Style Box™



# Style Breakdown

Equity

13	29	45	Large
2	6	3	Mid
1	1	0	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10

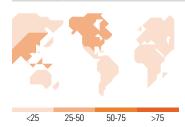


Asset Allocation as of 09-30-2023

#### Asset Class Net % Cat% US Stocks 22.73 3.39 Non-US Stocks 68.10 94.61 Bonds 3.75 0.00 Cash 4.99 1.75 Other 0.43 0.24 50 100 Total 100.00 100.00

		Fund	Bmark	Cat	Fund	١ ١	Bench	mark	Cate	gory Ave	erage		
Դ	Cyclical	39.70	44.93	43.44									
A.	Basic Materials	8.92	8.10	6.28			Ė						
<b>A</b>	Consumer Cyclical	12.70	13.38	13.74			•						
æ	Financial Services	16.15	21.69	21.73					Ĭ				
<b>fi</b>	Real Estate	1.93	1.76	1.69									
W	Sensitive	38.58	42.53	42.93									
	Communication Services	6.20	10.16	8.72									
ð	Energy	4.09	5.13	4.44		<b>=</b> [							
Ф	Industrials	12.70	6.60	6.74		Ö	- :						
	Technology	15.59	20.64	23.03					,				
<b>—</b>	Defensive	21.73	12.54	13.61									
=	Consumer Defensive	6.59	6.01	7.42									
٠	Healthcare	13.61	4.06	4.58			- :						
•	Utilities	1.53	2.47	1.61	<b> </b>								

# World Regions % Equity 09-30-2023



	Fund %	Cat %
Greater Asia	38.48	74.43
Japan	2.51	0.08
Australasia	0.46	0.00
Asia-4 Tigers	6.81	27.40
Asia-ex 4 Tigers	28.70	46.95
Not Classified	0.00	0.00

Americas	Fund % 36.40	Cat % 15.31	Greater Europe	Fund % 25.12	Cat % 10.24	Market Maturity	Fund %
North America	26.68	2.89	United Kingdom	2.38	0.58	Developed Markets	59.04
Central/Latin	9.72	12.42	W euro-ex UK	20.00	1.92	Emerging Markets	40.96
			Emrgng Europe	0.59	1.50	Not Available	0.00
			Africa	2.15	6.24		

<b>Top 10 Holdings</b> as of 09-30-2023				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Capital Group Central Cash Fund	4.81	4.81	_	_
	2.91	7.72	32.51	Technology
Novo Nordisk A/S Class B	2.17	9.89	_	Healthcare
☐ Taiwan Semiconductor Manufacturing Co Ltd	2.02	11.91	_	Technology
LVMH Moet Hennessy Louis Vuitton SE	1.82	13.72	_	Consumer Cyclical
Kotak Mahindra Bank Ltd	1.61	15.33	_	Financial Services
Airbus SE	1.55	16.88	_	Industrials
⊖ Eli Lilly and Co	1.26	18.13	47.75	Healthcare
Reliance Industries Ltd	1.16	19.30	_	Energy
	1.12	20.42	_	Financial Services

# Total Holdings 590



# **American Funds Washington Mutual R4** RWMEX

Morningstar Category
Large Blend

Morningstar Index S&P 500 TR USD

# Portfolio Manager(s)

Alan Berro since 07-1997
Jeffrey Lager since 07-2004
Alan Wilson since 07-2013
Diana Wagner since 06-2014
Jin Lee since 07-2014
Eric Stern since 11-2014
Irfan Furniturewala since 06-2015
Emme Kozloff since 07-2016
Mark Casey since 07-2016

### **Quantitative Screens**

Performance: The fund has finished in the Large Blend 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 26.27 years.

× Style: The fund has landed in its primary style box — Large Blend — 50 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.62 is 17.33% lower than the Large Blend category average.

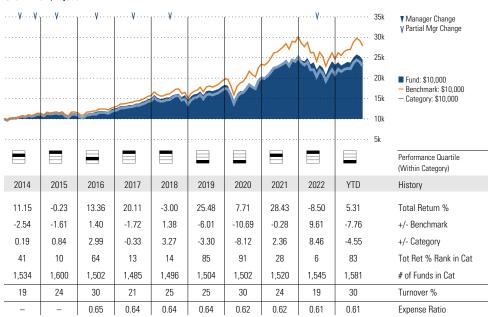
## **Morningstar Investment Management LLC Analysis**

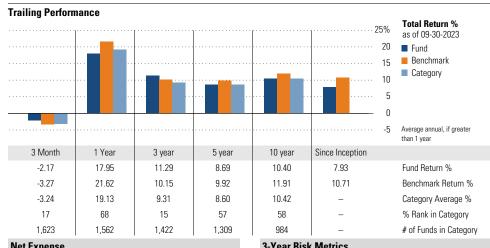
This fund fails our style consistency screen as the portfolio has slightly drifted from the large-blend portion of the Morningstar style box to the large-value portion however, the underlying investment strategy remains consistent so we are not concerned with this style failure.

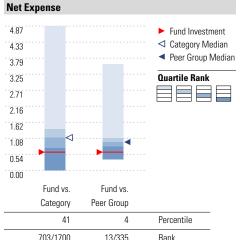
# **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	2	08-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

# Growth of \$10,000







	703/1700	13/335	Rank			
Peer g	roup is a subset of t	he category ar	nd includes fun	ds with the		
same management style (active vs. passive) and similar share class						
charac	teristics					

o rour mon would			
	Fund	Bmark	Cat
Alpha	2.44	_	-0.66
Beta	0.85	_	0.95
R-Squared	90.85	_	94.61
Standard Deviation	15.84	17.85	17.40
Sharpe Ratio	0.62	0.52	0.45
Tracking Error	5.53	_	3.74
Information Ratio	0.21	_	-1.15
Up Capture Ratio	91.03	_	93.16
Down Capture Ratio	82.69	_	95.77

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	19.42	22.40	22.25
Price/Book Ratio	3.61	3.98	4.46
Geom Avg Mkt Cap \$B	152.24	228.69	275.77
ROE	29.65	30.76	29.52



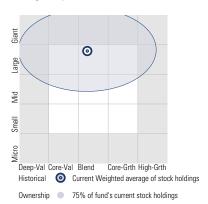
# American Funds Washington Mutual R4 RWMEX

Morningstar Category Mo ☐ Large Blend S8

Morningstar Index S&P 500 TR USD

# Style Analysis as of 09-30-2023

Morningstar Style Box™



# Style Breakdown

Equity

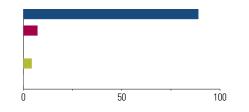
25	38	21	raige
6	9	1	MIN
0	0	0	SIIIdii

Value Blend Growth

Weight %

>50 25-50 10-25 0-10

# Asset Allocation as of 09-30-2023



Total	100.00	100.00
Other	0.07	1.34
Cash	4.07	0.71
Bonds	0.00	0.15
Non-US Stocks	7.01	2.48
US Stocks	88.86	95.33
Asset Class	Net %	Cat%

		Fund	Bmark	Cat	Fund	▼ Bi	enchma	rk [	Categ	ιοιν Δι	/erane		
Դ.	Cyclical	26.31	27.45	27.95	Tunu		Jiloiliila		outog	1	rorugo		
ė.	Basic Materials	2.55	2.23	2.85									
Д	Consumer Cyclical	7.40	10.77	10.13									
<b>_</b>	Financial Services	14.36	12.01	12.82									
æ	Real Estate	2.00	2.44	2.15									
M	Sensitive	44.26	50.38	48.85									
	Communication Services	5.43	8.81	7.72		[ ]							
ð	Energy	5.44	4.42	3.99									
Ф	Industrials	11.50	8.29	10.30									
	Technology	21.89	28.86	26.84					_ [	*			
<b>→</b>	Defensive	29.44	22.17	23.21									
-	Consumer Defensive	8.85	6.53	6.73									
٠	Healthcare	17.58	13.21	14.16	_								
•	Utilities	3.01	2.43	2.32									

<b>Top 15 Holdings</b> as of 09-30-2023				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Broadcom Inc	6.43	6.43	51.02	Technology
	6.19	12.62	32.51	Technology
① Capital Group Central Cash Fund	4.02	16.64	_	-
─ UnitedHealth Group Inc	3.24	19.88	-3.88	Healthcare
○ Comcast Corp Class A	2.68	22.55	29.23	Communication Svc
Marsh & McLennan Companies Inc	2.51	25.06	16.14	Financial Services
	1.98	27.04	47.75	Healthcare
① Northrop Grumman Corp	1.80	28.84	-18.32	Industrials
	1.75	30.59	-2.35	Consumer Cyclical
Philip Morris International Inc	1.70	32.29	-4.73	Consumer Defensive
Apple Inc	1.60	33.89	32.32	Technology
① Johnson & Johnson	1.56	35.45	-9.84	Healthcare
⊕ JPMorgan Chase & Co	1.40	36.86	10.38	Financial Services
ASML Holding NV ADR	1.23	38.09	8.64	Technology
⊕ AstraZeneca PLC ADR	1.20	39.29	2.02	Healthcare

Total Holdings 192



# **Baird Aggregate Bond Inv** BAGSX

### Morningstar Category Intermediate Core Bond

## Morningstar Index

Bloomberg US Agg Bond TR USD

**Total Return %** 

as of 09-30-2023 ■ Fund

Benchmark Category

Average annual, if greater

# 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 23.02 years.

Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 0.55 is 1.85% higher than the Intermediate Core Bond category average.

## **Morningstar Investment Management LLC Analysis**

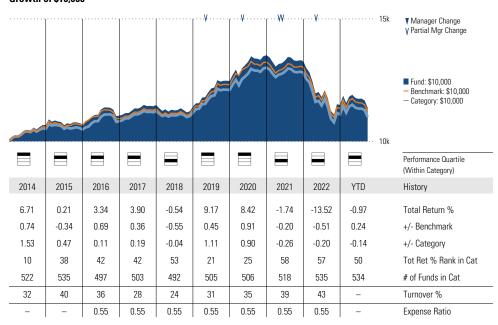
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

## **ESG Metrics**

Rating	Updated
3	08-31-2023
1-Low	02-15-2022
	3

## Growth of \$10,000

**Trailing Performance** 



than 1 year 3 Month 1 Year 10 year Since Inception 3 year 5 year -3.12 1.11 -5.26 0.18 1.30 3.83 Fund Return % -3.23 0.64 -5.21 0.10 1.13 6.50 Benchmark Return % -2 97 0.77 -5 02 0.00 1 00 Category Average % 48 31 56 33 23 % Rank in Category 541 529 477 437 321 # of Funds in Category

Net Exp	ense		
4.62			► Fund Investment
4.11			Category Median
3.59			<ul> <li>Peer Group Mediar</li> </ul>
3.08			Quartile Rank
2.57			
2.05			
1.54			
1.03	□ □ □	·····	
0.51			
0.00			
	Fund vs.	Fund vs.	
	Category	Peer Group	
	58	7	Percentile

9/131 Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

Rank

3-Year KISK Wietrics			
	Fund	Bmark	Cat
Alpha	0.00	_	0.02
Beta	1.01	_	0.98
R-Squared	99.54	_	96.70
Standard Deviation	6.27	6.20	6.18
Sharpe Ratio	-1.16	-1.16	-1.15
Tracking Error	0.43	_	1.01
Information Ratio	-0.12	_	-0.10
Up Capture Ratio	100.18	_	97.41
Down Capture Ratio	100.60	_	97.57

Portfolio Metrics			
	Fund	Bmark	Cat
Avg Eff Duration	6.31	4.43	6.10
Avg Eff Maturity	8.44	-	8.47



# **Baird Aggregate Bond Inv** BAGSX

Style Analysis as of 09-30-2023
Style Breakdown
Fixed Income

Quality

Given Service S

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	59.70	3.53	56.04
AA	3.80	74.59	8.35
А	13.10	10.82	17.35
BBB	23.20	8.32	15.53
BB	0.20	0.28	1.06
В	0.00	0.00	0.38
Below B	0.00	0.00	0.18
Not Rated	0.00	2.46	1 11

#### Asset Allocation as of 09-30-2023 Asset Class Net % Cat% US Stocks 0.07 0.00 Non-US Stocks 0.00 0.00 Bonds 97.56 95.99 Cash 2.35 2.17 Other 0.09 1.78 50 100 Total 100.00 100.00

**Morningstar Category** 

Intermediate Core Bond

**Morningstar Index** 

Bloomberg US Agg Bond TR USD

Sector Weighting as of 09-	Fund	Bmark	Cat	Fund	_	Benchma	w. II c		Average			
_				Funa		Benchma	ark II C	ategory	Average		n n	
Government	21.77	_	35.96				:	:				
Treasury	21.77	_	27.66									
Inflation – Protected	0.00	_	2.08	[								
Agency/Quasi Agency	0.00	-	1.08									
Other Government Related	0.00	_	5.14	į								
Corporate	39.03	_	25.61									
Corporate Bond	39.03	_	25.53									
Bank Loan	0.00	_	0.02									
Convertible	0.00	_	0.00	ĺ								
Preferred	0.00	_	0.06	ĺ								
Securitized	35.95	-	35.02									
Agency MBS Pass-Through	21.94	_	27.29				- :		[	]		
Agency MBS ARM	0.00	-	0.20									
Agency MBS CMO	2.04	_	1.31									
Non-Agency Residential MBS	0.72	_	0.49	0								
Commercial MBS	4.84	_	0.57									
Asset-Backed	6.41	_	5.16									
Covered Bond	0.00	_	0.00	ĺ								
Municipal	0.89	-	0.83									
Cash & Equivalents	2.35	-	1.99									
Other	0.00	_	0.57	I[]								
				0%	5	10	15	20	25	30	35	4

<b>Top 10 Holdings</b> as of 09-30-2023				
Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ United States Treasury Notes 1.13%	10-2026	3.31	3.31	_
United States Treasury Bonds 2.5%	02-2045	3.13	6.44	-
⊕ First American Government Obligs U	02-2030	2.28	8.71	_
United States Treasury Bonds 2.88%	05-2043	2.27	10.99	_
⊕ United States Treasury Notes 1.13%	08-2028	2.24	13.23	_
United States Treasury Bonds 1.38%	11-2040	1.77	15.00	_
⊕ United States Treasury Notes 2.38%	03-2029	1.41	16.41	-
⊕ United States Treasury Bonds 2.38%	02-2042	1.20	17.61	_
─ United States Treasury Notes 2.88%	05-2032	1.04	18.65	_
⊕ United States Treasury Bonds 2.88%	05-2052	1.01	19.66	_

Total Holdings 1710



# **Baird Core Plus Bond Inv** BCOSX

Morningstar Category Morningstar Index

Intermediate Core-Plus Bond 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**

Q Performance: The fund has finished in the Intermediate Core-Plus 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 23.02 years.

Style Consistency is not calculated for Fixed Income funds.

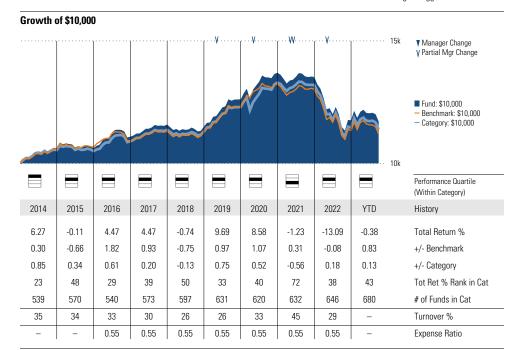
✓ Net Expense: The fund's expense ratio of 0.55 is 25.68% lower than the Intermediate Core-Plus Bond category average.

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

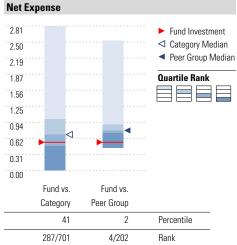
This fund passes all of Morningstar Investment
Management's quantitative screens. Morningstar
Investment Management has also assessed the fund from a
qualitative perspective and, as a fiduciary, is comfortable
recommending the fund's use in retirement plans.

## **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	08-31-2023
ESG Commitment	1-Low	02-15-2022







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

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	0.58	_	0.58
Beta	1.00	-	1.01
R-Squared	98.88	_	93.95
Standard Deviation	6.22	6.20	6.49
Sharpe Ratio	-1.06	-1.16	-1.03
Tracking Error	0.66	_	1.60
Information Ratio	0.85	_	0.31
Up Capture Ratio	102.28	_	103.07
Down Capture Ratio	95.87	_	97.08

Portfolio Metrics			
	Fund	Bmark	Cat
Avg Eff Duration	6.06	4.43	6.32
Avg Eff Maturity	8.21	-	9.39



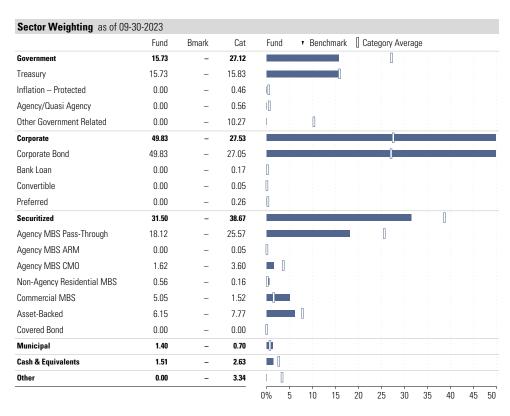
# **Baird Core Plus Bond Inv** BCOSX

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



Asset Allocation as of 09-30-2023			
	Asset Class	Net %	Cat%
	US Stocks	0.01	0.19
	Non-US Stocks	0.00	0.00
	Bonds	98.43	100.91
	Cash	1.52	-2.57
	Other	0.04	1.48
0 50 100	Total	100.00	100.00

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	48.10	3.53	52.06
AA	3.80	74.59	5.00
A	13.40	10.82	11.81
BBB	31.40	8.32	18.82
BB	2.70	0.28	5.05
В	0.10	0.00	2.40
Below B	0.10	0.00	1.01
Not Rated	0.40	2.46	3.85



Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
→ United States Treasury Bonds 2.5%	02-2045	3.09	3.09	_
⊕ United States Treasury Notes 1.13%	08-2028	2.63	5.72	_
United States Treasury Bonds 2.88%	05-2043	2.40	8.12	_
⊕ United States Treasury Notes 1.13%	10-2026	1.67	9.79	_
→ First American Government Obligs U	02-2030	1.51	11.31	-
United States Treasury Bonds 1.38%	11-2040	1.26	12.56	_
⊕ United States Treasury Bonds 2.38%	02-2042	0.93	13.50	_
⊕ United States Treasury Notes 2.38%	03-2029	0.86	14.36	_
⊕ United States Treasury Bonds 2.88%	05-2052	0.73	15.10	_
United States Treasury Notes 2.88%	05-2032	0.62	15.72	_

Total Holdings 1502



# **Baron Growth Retail** BGRFX

## **Morningstar Category** Mid-Cap Growth

## Morningstar Index

Russell Mid Cap Growth TR USD

## Portfolio Manager(s)

Ronald Baron since 12-1994 Neal Rosenberg since 05-2016

### Quantitative Screens

Performance: The fund has finished in the Mid-Cap 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 28.77 years.

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

Net Expense: The fund's expense ratio of 1.3 is 22.64% higher than the Mid-Cap Growth category average.

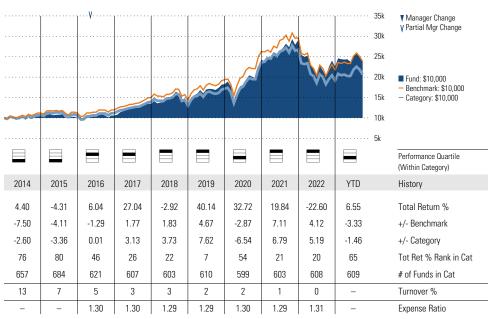
## **Morningstar Investment Management LLC Analysis**

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

## **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	4	08-31-2023
Carbon Risk Score	Low Risk	12-31-2022

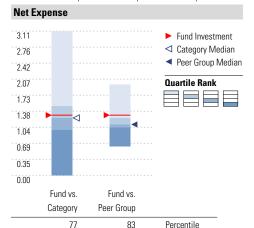
## Growth of \$10,000



## **Trailing Performance**



**3-Year Risk Metrics** 



	471/613	141/170	Rank
Peer group	is a subset of th	e category and ir	cludes funds with the
same man	agement style (a	ctive vs. passive)	and similar share class
characterie	tice		

#### Fund **Bmark** Cat Alpha 3.57 -1.41 0.98 0.98 Beta R-Squared 92.04 90.19 Standard Deviation 21.66 21 11 22 04 Sharpe Ratio 0.29 0.13 0.07 Tracking Error 6.12 6.86 Information Ratio 0.58 -0.38 Up Capture Ratio 105.26 96.49 Down Capture Ratio 93.21 102.58

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	27.13	26.49	27.73
Price/Book Ratio	4.53	7.98	5.01
Geom Avg Mkt Cap \$B	14.21	21.22	20.35
ROE	26.83	22.49	15.69



# **Baron Growth Retail** BGRFX

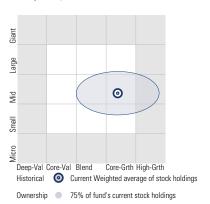
# Morningstar Category Mid-Cap Growth

Morningstar Index

Russell Mid Cap Growth TR USD

# Style Analysis as of 09-30-2023

Morningstar Style Box™



# Style Breakdown

Equity

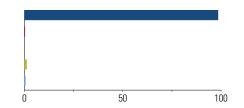
0	0	0
53	24	1
9	10	3

Value Blend Growth

Weight %

>50 25-50 10-25 0-10

## Asset Allocation as of 09-30-2023



Total	100.00	100.00
Other	0.39	0.64
Cash	1.02	1.74
Bonds	0.00	0.11
Non-US Stocks	0.15	4.04
US Stocks	98.43	93.49
Asset Class	Net %	Cat%

		Fund	Bmark	Cat	Fund	<ul> <li>Benchmark</li> </ul>	Catego	ry Average	)	
<b>Դ</b>	Cyclical	68.19	23.46	27.40						
A.	Basic Materials	0.00	0.90	2.45	[]					
A	Consumer Cyclical	18.05	12.36	13.04						
æ	Financial Services	38.83	8.56	8.92						
<b>fi</b>	Real Estate	11.31	1.64	2.99						
W	Sensitive	20.71	52.20	49.61					0	
	Communication Services	6.36	3.54	3.47						
ð	Energy	0.00	4.19	2.81	10					
Ф	Industrials	1.07	18.06	16.51						
	Technology	13.28	26.41	26.82						
<b>—</b>	Defensive	11.12	24.35	23.00						
Ħ	Consumer Defensive	0.47	3.14	2.71	• [					
+	Healthcare	10.65	20.77	19.68		<b>"</b> ["				
•	Utilities	0.00	0.44	0.61	Í					

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
MCCL I	0.10	0.10	11 10	Figure in Commission
MSCI Inc	9.16	9.16	11.19	Financial Services
Arch Capital Group Ltd	8.74	17.91	26.97	Financial Services
Gartner Inc	6.82	24.73	2.22	Technology
Vail Resorts Inc	6.49	31.22	-5.18	Consumer Cyclical
Iridium Communications Inc	6.27	37.48	-10.74	Communication Svc
FactSet Research Systems Inc	6.20	43.68	9.70	Financial Services
CoStar Group Inc	5.92	49.60	-0.50	Real Estate
Kinsale Capital Group Inc	4.82	54.42	58.52	Financial Services
Choice Hotels International Inc	4.49	58.91	9.53	Consumer Cyclical
Ansys Inc	4.26	63.17	23.16	Technology
Primerica Inc	3.82	67.00	38.18	Financial Services
IDEXX Laboratories Inc	3.43	70.43	7.18	Healthcare
Gaming and Leisure Properties Inc	3.36	73.79	-7.91	Real Estate
Bio-Techne Corp	3.09	76.88	-17.58	Healthcare
West Pharmaceutical Services Inc	2.37	79.25	59.67	Healthcare

# **Total Holdings 46**



# BlackRock High Yield Bond Inv A BHYAX

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

# Portfolio Manager(s)

Mitchell Garfin since 12-2009 Derek Schoenhofen since 12-2009 David Delbos since 12-2014

### **Quantitative Screens**

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

Management: The fund's management has been in place for 13.76 years.

Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 0.94 is 5.62% higher than the High Yield Bond category average.

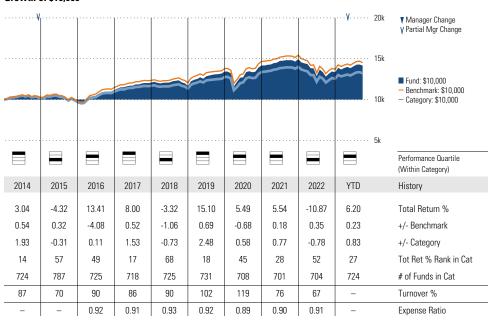
## **Morningstar Investment Management LLC Analysis**

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

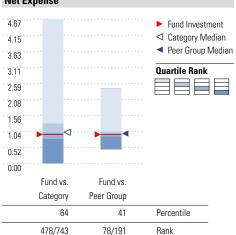
### **ESG Metrics**

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

# Growth of \$10,000







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 Wetrics			
	Fund	Bmark	Cat
Alpha	0.18	_	0.09
Beta	1.00	-	0.90
R-Squared	99.37	-	93.92
Standard Deviation	8.19	8.13	7.53
Sharpe Ratio	0.03	0.01	0.01
Tracking Error	0.65	-	1.89
Information Ratio	0.28	-	-0.23
Up Capture Ratio	99.81	-	90.23
Down Capture Ratio	97.82	-	89.28

Portfolio Metrics			
	Fund	Bmark	Cat
Avg Eff Duration	3.39	-	3.29
Avg Eff Maturity	5.43	-	4.97



# BlackRock High Yield Bond Inv A BHYAX

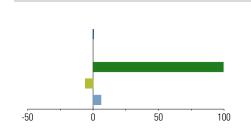
Morningstar CategoryMorningsHigh Yield BondICE BofA U

Morningstar Index ICE BofA US High Yield TR USD

**Style Analysis** as of 09-30-2023 **Style Breakdown** 

Duration





Asset Allocation as of 09-30-2023

Non-US Stocks	0.00	0.13
Bonds	99.49	94.59
Cash Other	-5.97 6.08	3.17 1.50
Total	100.00	100.00

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	0.00	_	2.28
AA	0.00	_	0.12
A	0.52	_	0.35
BBB	7.13	_	6.05
BB	29.51	_	40.00
В	47.50	_	37.20
Below B	13.76	-	11.37
Not Rated	1.57	_	2.63

Sector Weighting as of 09-3	30-2023													
	Fund	Bmark	Cat	Fund	•	Benc	hmark	Са	tego	ry A	vera	ge		
Government	0.58	_	1.21	ı[]										
Treasury	0.00	_	0.93	0										
Inflation – Protected	0.00	_	0.01											
Agency/Quasi Agency	0.02	_	0.02											
Other Government Related	0.56	_	0.25											
Corporate	89.92	_	90.77											
Corporate Bond	81.47	_	87.93											
Bank Loan	8.09	-	2.42											
Convertible	0.36	_	0.39											
Preferred	0.00	_	0.03											
Securitized	0.19	-	1.17											
Agency MBS Pass-Through	0.00	_	0.03											
Agency MBS ARM	0.00	_	0.00											
Agency MBS CMO	0.00	_	0.06											
Non-Agency Residential MBS	0.00	_	0.07											
Commercial MBS	0.00	_	0.09											
Asset-Backed	0.19	_	0.92	0										
Covered Bond	0.00	_	0.00											
Municipal	0.00	-	0.03	0										
Cash & Equivalents	3.58	_	4.76											
Other	5.72	-	2.08											

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

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
☆ Cash Offset	_	7.50	7.50	_
⊕ BlackRock Liquidity T-Fund Instl	_	3.51	11.00	_
⊕ ICE: (CDX.NA.HY.40.V1)	06-2028	3.01	14.01	_
─ USD CASH(Committed)	09-2023	1.56	15.57	_
TransDigm, Inc.	03-2026	1.52	17.10	-
⊕ EUR/USD Purchased	09-2023	1.40	18.49	_
⊕ EUR/USD Purchased	09-2023	1.38	19.87	_
⊕ iShares iBoxx \$ High Yield Corp Bd ETF	_	1.14	21.01	_
Tibco Software Inc     Tibco Softwar	03-2029	0.87	21.88	_
Mauser Packaging Solutions Holding Company	08-2026	0.85	22.73	_

Total Holdings 1671



# BNY Mellon S&P 500 Index PEOPX

# **Morningstar Category**

Morningstar Index S&P 500 TR USD

# Large Blend

# Portfolio Manager(s)

Vlasta Sheremeta since 10-2020 Todd Frysinger since 10-2020 Marlene Walker-Smith since 10-2020 Michael Stoll since 10-2020 David France since 10-2020

### **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
- × Management: The fund's management team has been in place for less than three years.
- Style: The fund has landed in its primary style box Large Blend — 100 % of the time over the past three years.
- Net Expense: The fund's expense ratio of 0.5 is 33.33% lower than the Large Blend category average.

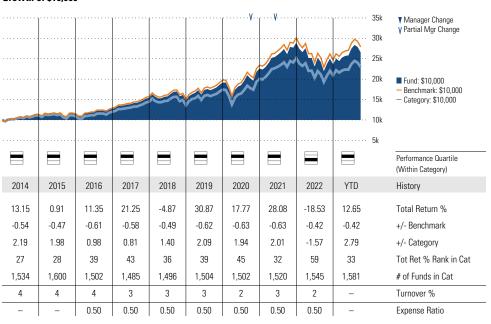
## **Morningstar Investment Management LLC Analysis**

This fund fails our manager tenure screen but because the fund replicates an index we are not concerned with the screen failure.

### **ESG Metrics**

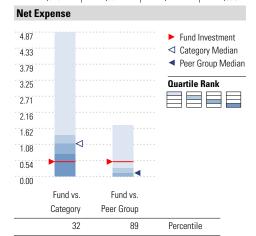
Metric	Rating	Updated
Sustainability Rating	3	08-31-2023
Carbon Risk Score	Low Risk	12-31-2022

## Growth of \$10,000



# **Trailing Performance**





537/	1700	466/524	Rank	
Peer group is a	subset of the	e category a	nd includes fun	ds with the
same manager	nent style (ac	tive vs. pas	sive) and simila	r share class
characteristics				

3- Tear hisk Wellics			
	Fund	Bmark	Cat
Alpha	-0.50	_	-0.66
Beta	1.00	_	0.95
R-Squared	100.00	_	94.61
Standard Deviation	17.86	17.85	17.40
Sharpe Ratio	0.49	0.52	0.45
Tracking Error	0.04	_	3.74
Information Ratio	-15.28	-	-1.15
Up Capture Ratio	99.08	_	93.16
Down Capture Ratio	100.99	-	95.77

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	23.33	22.40	22.25
Price/Book Ratio	4.10	3.98	4.46
Geom Avg Mkt Cap \$B	229.55	228.69	275.77
ROE	29.38	30.76	29.52



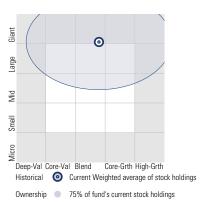
# BNY Mellon S&P 500 Index PEOPX

# Morningstar Category ∰ Large Blend

## Morningstar Index S&P 500 TR USD

# Style Analysis as of 09-30-2023

Morningstar Style Box™



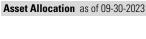
# Style Breakdown

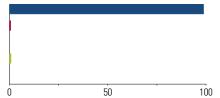
Equity

18	27	37	Large
5	9	3	Mid
0	0	0	Small
Value	Blend	Growth	

Weight %

>50 25-50 10-25 0-10





Total	100.00	100.00
Other	0.00	1.34
Cash	0.74	0.71
Bonds	0.00	0.15
Non-US Stocks	0.54	2.48
US Stocks	98.72	95.33
Asset Class	Net %	Cat%

		Fund	Bmark	Cat	Fund	4	▼ Re	nchma	ark [	Cate	gory A	/erane		
U.	Cyclical	27.64	27.45	27.95	Turk		. 50	110111110	iik u	outo	)	rorago		
ė.	Basic Materials	2.27	2.23	2.85										
A	Consumer Cyclical	10.75	10.77	10.13										
æ	Financial Services	12.15	12.01	12.82			- :							
命	Real Estate	2.47	2.44	2.15										
W	Sensitive	50.09	50.38	48.85										
	Communication Services	8.70	8.81	7.72										
•	Energy	4.28	4.42	3.99										
Ф	Industrials	8.32	8.29	10.30		- :					_			
	Technology	28.79	28.86	26.84										
<b>-</b>	Defensive	22.28	22.17	23.21										
Ħ	Consumer Defensive	6.55	6.53	6.73										
+	Healthcare	13.17	13.21	14.16				<b>[</b> ]						
•	Utilities	2.56	2.43	2.32										

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Apple Inc	7.46	7.46	32.32	Technology
Microsoft Corp	6.41	13.87	32.51	Technology
Amazon.com Inc	3.06	16.94	51.33	Consumer Cyclical
NVIDIA Corp	2.97	19.90	197.74	Technology
Alphabet Inc Class A	2.02	21.93	48.32	Communication Svc
Tesla Inc	1.85	23.78	103.13	Consumer Cyclical
Meta Platforms Inc Class A	1.81	25.59	149.47	Communication Svc
Alphabet Inc Class C	1.75	27.33	48.60	Communication Svc
Berkshire Hathaway Inc Class B	1.61	28.95	13.40	Financial Services
UnitedHealth Group Inc	1.21	30.16	-3.88	Healthcare
JPMorgan Chase & Co	1.19	31.34	10.38	Financial Services
Johnson & Johnson	1.12	32.46	-9.84	Healthcare
Exxon Mobil Corp	1.11	33.57	9.08	Energy
Visa Inc Class A	0.99	34.56	11.36	Financial Services
Broadcom Inc	0.96	35.52	51.02	Technology

Total Holdings 505



# **Delaware Small Cap Value A** DEVLX

**Morningstar Category** 

Morningstar Index

Russell 2000 Value TR USD

Expense Ratio

# 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 8 of the 10 years it's been in existence.
- Management: The fund's management has been in place for 11.25 years.
- Style: The fund has landed in its primary style box Small Value — 100 % of the time over the past three years.
- Net Expense: The fund's expense ratio of 1.11 is 0.89% lower than the Small Value category average.

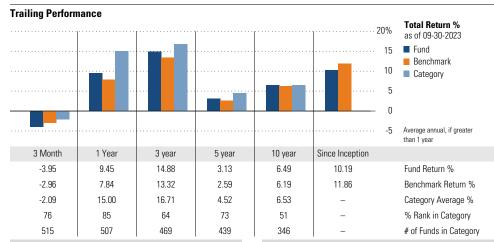
## **Morningstar Investment Management LLC Analysis**

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

# **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	08-31-2023
Carbon Risk Score	Medium Risk	12-31-2022

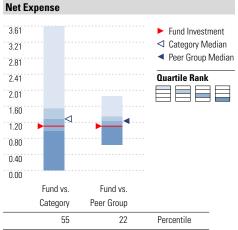
#### Growth of \$10,000 ▼ Manager Change V Partial Mgr Change 20k Fund: \$10,000 - Benchmark: \$10,000 Category: \$10,000 Performance Quartile (Within Category) 2014 2015 2016 2017 2018 2019 2020 2021 2022 YTD History 5.37 -6.43 31.02 11.70 -17.56 27.83 -1.47 33.91 -12.42 -2.10 Total Return % 1.04 1.15 -0.72 3.86 -4.70 5.44 -6.10 5.64 2.06 -1.57 +/- Benchmark 2.03 0.28 5.03 3.16 -2.10 6.40 -5.49 2.34 -2.26 -5.46 +/- Category 32 54 14 21 74 9 77 35 65 90 Tot Ret % Rank in Cat 496 541 509 523 513 491 492 500 # of Funds in Cat 514 510 17 20 19 15 18 18 23 14 19 Turnover %



1.14

1.11

1.11



1.24

1.18

1.15

1.15

285/520	28/131	Rank	
Peer group is a subset of t	the category ar	nd includes fun	ds with the
same management style (	active vs. pass	ive) and simila	r share class
characteristics			

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	1.87	_	3.37
Beta	0.97	_	0.94
R-Squared	94.22	_	93.31
Standard Deviation	23.07	23.16	22.57
Sharpe Ratio	0.62	0.56	0.69
Tracking Error	5.60	_	5.97
Information Ratio	0.28	_	0.51
Up Capture Ratio	100.54	_	98.85
Down Capture Ratio	95.70	_	88.84

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	11.22	9.46	11.18
Price/Book Ratio	1.63	1.23	1.61
Geom Avg Mkt Cap \$B	4.45	1.89	4.32
ROE	16.97	7.74	15.96





# **Delaware Small Cap Value A** DEVLX

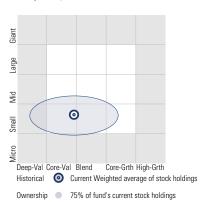
# Morningstar Category Small Value

Morningstar Index

Russell 2000 Value TR USD

# Style Analysis as of 09-30-2023

Morningstar Style Box™



# Style Breakdown

Equity

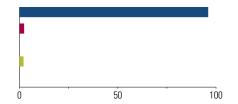
Lquity			
0	1	0	Large
4	9	1	Mid
38	38	9	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10

### Asset Allocation as of 09-30-2023



Total	100.00	100.00
Other	0.00	0.09
Cash	1.91	3.43
Bonds	0.00	0.04
Non-US Stocks	2.21	3.32
US Stocks	95.88	93.12
Asset Class	Net %	Cat%

Sec	ctor Weighting as of 09-3	30-2023			
		Fund	Bmark	Cat	Fund Benchmark Category Average
Դ	Cyclical	47.48	50.27	48.89	
A	Basic Materials	4.71	4.83	6.19	
A	Consumer Cyclical	11.04	10.56	14.62	
<b>P</b>	Financial Services	23.92	21.98	21.51	
侖	Real Estate	7.81	12.90	6.57	
W	Sensitive	41.57	32.96	38.47	
	Communication Services	0.71	2.59	2.00	
•	Energy	8.09	9.72	7.26	
Ф	Industrials	20.48	12.98	19.02	
	Technology	12.29	7.67	10.19	
<b>→</b>	Defensive	10.95	16.76	12.63	
Ħ	Consumer Defensive	3.35	3.55	4.04	
٠	Healthcare	3.99	9.18	5.96	
•	Utilities	3.61	4.03	2.63	
					0% 5 10 15 20 25 30 35 40 45 50

#### **Top 15 Holdings** as of 09-30-2023 YTD Return % Name % Net Asset Cumulative % Morningstar Sector 2.00 2.00 Industrials -15.66 Atkore Inc 1.97 3.97 31.54 Industrials 1.80 5.77 21.80 Industrials Webster Financial Corp 1.74 7.51 -12.32 Financial Services Hancock Whitney Corp -21.70 1.67 9.18 Financial Services Valley National Bancorp 1.66 10.84 -21.40 **Financial Services** Stifel Financial Corp 1.61 12.45 7.11 Financial Services → F N B Corp 1.49 13.93 -14.56 Financial Services Meritage Homes Corp 1.42 15.35 33.62 Consumer Cyclical → Flex Ltd 1.41 16.77 25.72 Technology Industrials Louisiana-Pacific Corp 1.36 18.13 -5.42 ⊕ East West Bancorp Inc 1.36 19.48 -17.83 Financial Services Power Integrations Inc 1.33 20.82 7.19 Technology Berry Global Group Inc 1.31 22.13 3.69 Consumer Cyclical igoplus H.B. Fuller Co 1.27 23.39 -3.36 Basic Materials

Total Holdings 106



# **DFA International Value I** DFIVX

Morningstar Category Foreign Large Value

Morningstar Index MSCI EAFE NR USD

# Portfolio Manager(s)

Jed Foodall since 02-2010 Arun Keswani since 02-2020 Joel Schneider since 02-2022

### **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

Management: The fund's management has been in place for 13.59 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 0.28 is 71.13% lower than the Foreign Large Value category average.

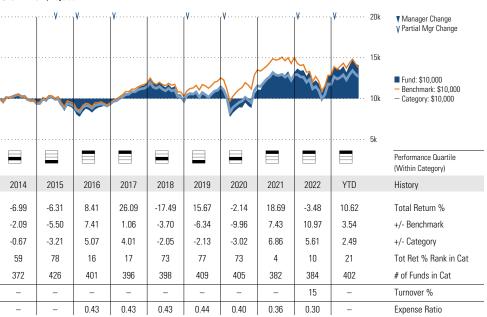
## **Morningstar Investment Management LLC Analysis**

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.

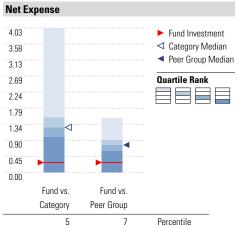
# **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	1	08-31-2023
Carbon Risk Score	Medium Risk	12-31-2022

# Growth of \$10,000







	20/408	21/313	Rank		
Peer group i	s a subset of the	category and in	cludes funds with the		
same management style (active vs. passive) and similar share class					
charactorist	ice				

3-Year Kisk Metrics			
	Fund	Bmark	Cat
Alpha	9.14	-	3.13
Beta	1.05	-	0.99
R-Squared	85.91	_	89.42
Standard Deviation	20.62	18.23	19.11
Sharpe Ratio	0.71	0.28	0.43
Tracking Error	7.79	_	6.38
Information Ratio	1.28	_	0.49
Up Capture Ratio	119.11	-	103.27
Down Capture Ratio	82.71	_	91.00

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	8.93	13.87	10.37
Price/Book Ratio	1.00	1.69	1.28
Geom Avg Mkt Cap \$B	32.89	47.39	36.88
ROE	12.21	18.84	15.89



# **DFA International Value I** DFIVX

# Style Analysis as of 09-30-2023

Morningstar Style Box™



# Style Breakdown

Equity

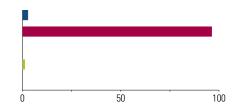
57	23	4	Large
11	4	1	MIG
0	0	0	Small

Value Blend Growth

### Weight %

>50 25-50 10-25 0-10

# Asset Allocation as of 09-30-2023



Total	100 00	100.00
Other	0.00	0.22
Cash	1.07	1.54
Bonds	0.00	0.04
Non-US Stocks	96.23	94.75
US Stocks	2.70	3.43
Asset Class	Net %	Cat%

Morningstar Index

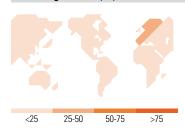
MSCI EAFE NR USD

**Morningstar Category** 

Foreign Large Value

Se	ctor Weighting as of 09-3	30-2023			
		Fund	Bmark	Cat	Fund • Benchmark   Category Average
<b>Դ</b>	Cyclical	55.84	39.46	42.56	
÷.	Basic Materials	13.18	7.36	8.52	
Д	Consumer Cyclical	12.38	11.35	10.95	
÷	Financial Services	28.03	18.20	21.92	
æ	Real Estate	2.25	2.55	1.17	
W	Sensitive	31.53	33.86	35.22	
	Communication Services	3.47	4.13	5.17	
ð	Energy	14.38	4.62	7.93	
ф	Industrials	11.79	16.35	15.02	
	Technology	1.89	8.76	7.10	
<b>→</b>	Defensive	12.63	26.68	22.22	
=	Consumer Defensive	4.42	9.95	8.66	
٠	Healthcare	7.22	13.58	9.76	
•	Utilities	0.99	3.15	3.80	

# World Regions % Equity 09-30-2023



	Fund %	Cat %	
Greater Asia	31.01	30.58	Ameri
Japan	21.20	16.72	North
Australasia	6.73	3.68	Centra
Asia-4 Tigers	2.92	7.21	
Asia-ex 4 Tigers	0.16	2.97	
Not Classified	0.00	0.00	

Americas	Fund % 11.38	Cat % 9.36	Greater Europe	Fund % 57.61	Cat % 60.05	Market Maturity	Fund %
North America	11.38	8.12	United Kingdom	12.80	17.06	Developed Markets	99.84
Central/Latin	0.00	1.24	W euro-ex UK	44.32	42.12	Emerging Markets	0.16
			Emrgng Europe Africa	0.00 0.49	0.11 0.76	Not Available	0.00

<b>Top 10 Holdings</b> as of 09-30-2023				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Shell PLC ADR (Representing - Ordinary Shares)	4.33	4.33	16.23	Energy
⊕ TotalEnergies SE	3.24	7.57	_	Energy
⊕ Mercedes-Benz Group AG	1.64	9.21	_	Consumer Cyclical
⊕ Novartis AG Registered Shares	1.39	10.60	_	Healthcare
⊕ Zurich Insurance Group AG	1.31	11.92	-	Financial Services
○ Novartis AG ADR	1.26	13.18	16.14	Healthcare
─ UBS Group AG	1.26	14.44	_	Financial Services
⊕ Banco Santander SA	1.13	15.57	_	Financial Services
⊕ Bank of Nova Scotia	1.11	16.68	-3.53	Financial Services
⊕ Bayer AG	1.09	17.77	_	Healthcare

# **Total Holdings 545**



# Fidelity® Contrafund® FCNTX

# Morningstar Category Large Growth

Morningstar Index

Russell 1000 Growth TR USD

## Portfolio Manager(s)

William Danoff since 09-1990

### **Quantitative Screens**

- Performance: The fund has finished in the Large Growth category's top three quartiles in 10 of the 10 years it's been in existence
- Management: The fund's management has been in place for 33.06 years.
- Net Expense: The fund's expense ratio of 0.55 is 41.49% lower than the Large Growth category average.

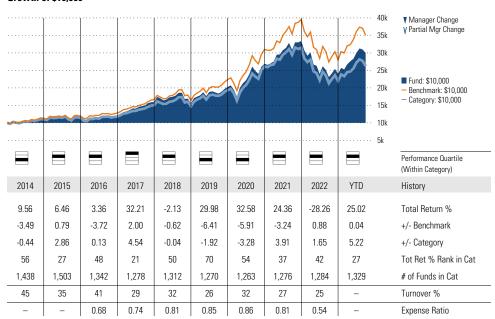
# **Morningstar Investment Management LLC Analysis**

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

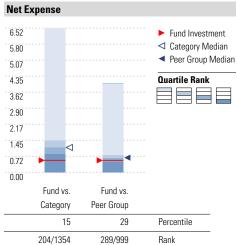
### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	1	08-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

## Growth of \$10,000







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

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	-0.57	_	-3.72
Beta	0.87	_	0.97
R-Squared	96.22	_	91.78
Standard Deviation	18.46	20.81	21.20
Sharpe Ratio	0.32	0.37	0.20
Tracking Error	4.49	_	6.04
Information Ratio	-0.33	_	-0.75
Up Capture Ratio	86.62	_	87.74
Down Capture Ratio	88.64	_	100.10

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	26.37	32.24	30.95
Price/Book Ratio	4.35	10.54	7.97
Geom Avg Mkt Cap \$B	363.22	399.08	418.79
ROE	25.12	39.31	33.78



# Fidelity® Contrafund® FCNTX

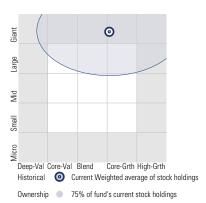
# Morningstar Category Large Growth

Morningstar Index

Russell 1000 Growth TR USD

# Style Analysis as of 09-30-2023

Morningstar Style Box™



# Style Breakdown

Equity

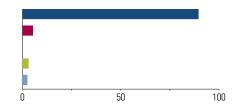
1. /			
16	32	43	Large
3	2	3	Mid
0	0	0	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10





Total	100.00	100.00
Other	2.33	0.99
Cash	2.98	1.11
Bonds	0.00	0.00
Non-US Stocks	5.24	4.78
US Stocks	89.46	93.10
Asset Class	Net %	Cat%

	ctor Weighting as of 09-3	Fund	Bmark	Cat	Fund ▼ Benchmark [] Category Average
ղ.	0 11 1				runu i benciinak    Category Average
_	Cyclical	29.59	23.62	25.76	
ů.	Basic Materials	2.95	0.63	1.32	
<b>A</b>	Consumer Cyclical	10.77	15.96	14.39	
æ	Financial Services	15.86	6.13	8.77	
<b>fi</b>	Real Estate	0.01	0.90	1.28	
W#	Sensitive	54.78	61.09	56.78	
d	Communication Services	19.86	11.32	10.17	
ð	Energy	4.26	0.55	1.51	
Ф	Industrials	5.17	5.35	6.25	
	Technology	25.49	43.87	38.85	
<b>→</b>	Defensive	15.63	15.30	17.45	
=	Consumer Defensive	2.35	4.27	3.41	
+	Healthcare	13.00	10.97	13.64	
•	Utilities	0.28	0.06	0.40	
					0% 5 10 15 20 25 30 35 40 45 50 55

Top 15 Holdings as of 09-30-2023				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Meta Platforms Inc Class A	11.78	11.78	149.47	Communication Svc
→ Berkshire Hathaway Inc Class A	8.98	20.76	13.39	Financial Services
Microsoft Corp	6.50	27.26	32.51	Technology
Amazon.com Inc	5.79	33.04	51.33	Consumer Cyclical
Apple Inc	4.81	37.85	32.32	Technology
NVIDIA Corp     NVIDIA CORP     NVIDI	4.12	41.97	197.74	Technology
→ UnitedHealth Group Inc	3.89	45.86	-3.88	Healthcare
→ Fidelity Revere Str Tr	2.91	48.77	_	_
	2.63	51.40	48.32	Communication Svc
Ð Alphabet Inc Class C	2.25	53.65	48.60	Communication Svc
∋ Eli Lilly and Co	2.21	55.86	47.75	Healthcare
Regeneron Pharmaceuticals Inc	1.75	57.61	14.06	Healthcare
Amphenol Corp Class A	1.67	59.29	11.14	Technology
Netflix Inc	1.59	60.88	28.05	Communication Svc
D Visa Inc Class A	1.41	62.29	11.36	Financial Services

Total Holdings 363



# Invesco Balanced-Risk Commodity Strat Y BRCYX

Morningstar Category
Commodities Broad Basket

**Morningstar Index** Bloomberg Commodity TR USD

# Portfolio Manager(s)

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

### **Quantitative Screens**

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

Management: The fund's management has been in place for 12.84 years.

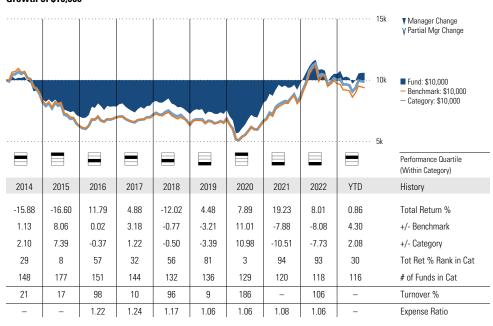
Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 1.15 is 9.52% higher than the Commodities Broad Basket category average.

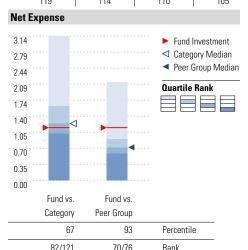
## **Morningstar Investment Management LLC Analysis**

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

# Growth of \$10,000







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	2.56	_	1.67
Beta	0.75	_	0.99
R-Squared	74.45	_	87.55
Standard Deviation	13.87	15.98	16.87
Sharpe Ratio	0.91	0.89	0.92
Tracking Error	8.08	_	5.47
Information Ratio	-0.17	_	0.11
Up Capture Ratio	79.94	_	101.07
Down Capture Ratio	69.16	_	93.74

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

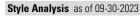




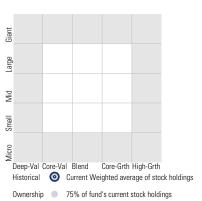
# Invesco Balanced-Risk Commodity Strat Y BRCYX

# **Morningstar Category**

## Morningstar Index Commodities Broad Basket Bloomberg Commodity TR USD



Morningstar Style Box™



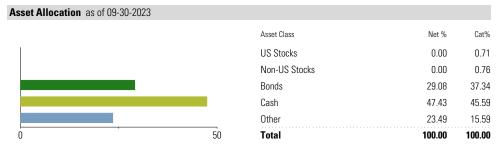
# Style Breakdown

Equity



Weight %

>50 25-50 10-25 0-10



		Fund	Bmark	Cat	Fund	t	▼ Be	nchma	ark [	Cate	jory Av	erage		
b	Cyclical	-	-	44.68										
÷.	Basic Materials	_	_	44.68										
<b>£</b>	Consumer Cyclical	_	_	0.00	ĺ									
ê	Financial Services	-	_	0.00										
b	Real Estate	_	_	0.00										
NF	Sensitive	-	-	51.07										[]
	Communication Services	_	_	0.00										
•	Energy	_	_	48.94										
<b>‡</b>	Industrials	_	_	2.13										
1	Technology	_	_	0.00	İ									
+	Defensive	-	-	4.26										
Ę	Consumer Defensive	-	_	4.26										
ř	Healthcare	_	_	0.00	į									
?	Utilities	_	_	0.00	ĺ									

<b>Top 12 Holdings</b> as of 09-30-2023				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
	23.49	23.49	_	_
① Invesco Shrt-Trm Inv Treasury Instl	17.01	40.51	-	-
① Invesco Shrt-Trm Inv Gov&Agcy Instl	14.89	55.39	-	-
① Invesco Shrt-Trm Inv Liq Assets Instl	10.52	65.91	-	-
United States Treasury Notes 5.31238%	8.80	74.71	-	-
United States Treasury Notes 5.42438%	6.99	81.70	_	_
United States Treasury Notes 5.37238%	6.93	88.64	_	-
Citigroup Global Markets Holdings Inc. 0.1%	5.19	93.82	-	-
Societe Generale S.A. 0.1%	2.66	96.49	-	-
Barclays Bank plc 0.01%	1.95	98.44	-	-
Royal Bank of Canada 0.1%	1.73	100.17	_	_
① Usd Currency Cash	0.17	100.34	-	-

# Total Holdings 12



# **Loomis Sayles Global Bond Retail** LSGLX

Morningstar Category Global Bond

Morningstar Index

Bloomberg Gbl Agg Ex USD TR USD

# Portfolio Manager(s)

David Rolley since 09-2000 Lynda Schweitzer since 02-2007 Scott Service since 12-2014

### **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

Management: The fund's management has been in place for 23.09 years.

Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 0.95 is 7.95% higher than the Global Bond category average.

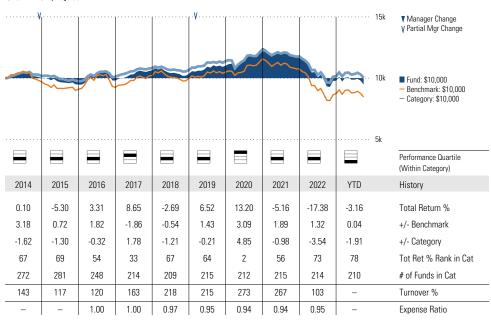
## **Morningstar Investment Management LLC Analysis**

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.

### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	2	08-31-2023

# Growth of \$10,000



## **Trailing Performance**



Net Exp	ense		
2.52			► Fund Investment
2.24			Category Median
1.96			<ul> <li>Peer Group Median</li> </ul>
1.68			Quartile Rank
1.40			
1.12	<b></b>		
0.84			
0.56			
0.28			
0.00			
	Fund vs.	Fund vs.	
(	Category	Peer Group	
	62	34	Percentile

132/213	20/61	Rank					
Peer group is a subset of the category and includes funds with the							
same management style (active vs. passive) and similar share class							
characteristics							

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	0.26	_	1.10
Beta	0.89	_	0.81
R-Squared	97.70	_	87.60
Standard Deviation	8.60	9.55	8.23
Sharpe Ratio	-1.06	-1.08	-0.94
Tracking Error	1.67	_	3.55
Information Ratio	0.69	_	0.61
Up Capture Ratio	87.09	_	84.28
Down Capture Ratio	86.57	_	76.60

Portfolio Metrics			
	Fund	Bmark	Cat
Avg Eff Duration	6.94	-	6.19
Avg Eff Maturity	8.15	_	8.48



# Loomis Sayles Global Bond Retail LSGLX

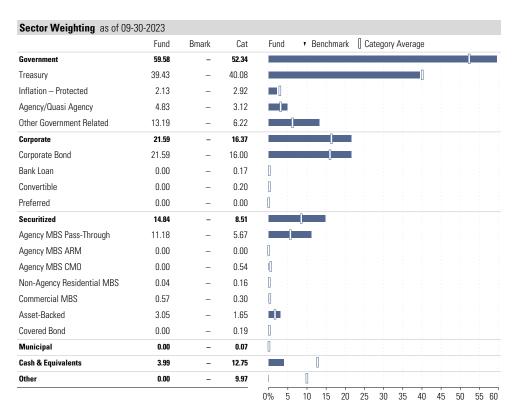
 Morningstar Category
 Morningstar Index

 Global Bond
 Bloomberg Gbl Agg Ex USD TR USD

Style	Anal	ysis	as	of 09-30-2023
Style E	3reak	lown		
Fixed Ir	ncome			Quality
				High
				Mid
				Low
Ltd	Mod	Ext		
Duratio	n			

Asset Allocat	tion as of 09-30-2023				
			Asset Class	Net %	Cat%
			US Stocks	0.00	0.09
			Non-US Stocks	0.00	0.07
			Bonds	95.73	86.64
			Cash	4.12	13.97
			Other	0.14	-0.77
Ö	50	100	Total	100.00	100.00

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	40.85	_	29.67
AA	9.63	_	13.51
A	19.76	_	18.69
BBB	26.05	_	21.36
BB	4.08	-	7.78
В	0.00	_	3.36
Below B	0.00	_	0.88
Not Rated	-0.38	_	4.75



Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
Future on 2 Year Treasury Note	09-2023	3.87	3.87	_
Us 5yr Note (Cbt) Sep23 Xcbt 20230929	09-2023	3.75	7.62	_
⊕ Germany (Federal Republic Of) 1%	08-2024	2.69	10.31	_
Germany (Federal Republic Of) 0.01%	02-2030	2.23	12.53	_
⊕ United States Treasury Notes 0.625%	07-2032	2.20	14.73	_
Euro Bobl Future Sept 23	09-2023	2.15	16.87	_
⊖ Germany (Federal Republic Of) 0.25%	08-2028	2.13	19.01	_
⊕ Us Ultra Bond Cbt Sep23 Xcbt 20230920	09-2023	2.01	21.02	_
South Africa (Republic of) 7%	02-2031	1.98	23.00	_
⊕ Fixed Inc Clearing Corp.Repo	08-2023	1.80	24.80	_

Total Holdings 255



# MFS Conservative Allocation R3 MACNX

Morningstar Category Moderately Conservative

Morningstar Index

Morningstar US Mod Con Tgt Alloc NR

Expense Ratio

Allocation

## Portfolio Manager(s)

Joseph Flaherty since 06-2002 Natalie Shapiro since 09-2018 Benjamin Nastou since 08-2023 Erich Shigley since 08-2023

## **Quantitative Screens**

Performance: The fund has finished in the Moderately Conservative Allocation 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 21.27 years.

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

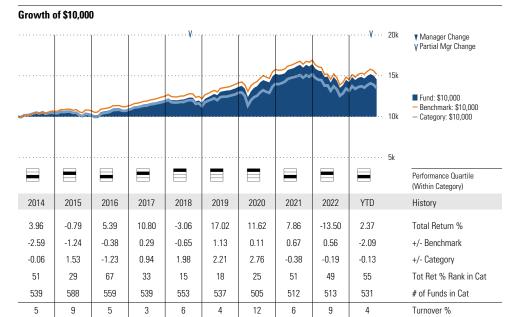
Net Expense: The fund's expense ratio of 0.84 is 8.7% lower than the Moderately Conservative Allocation category average.

# **Morningstar Investment Management LLC Analysis**

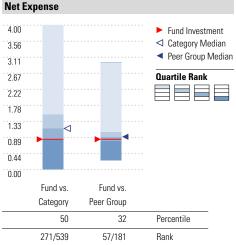
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

## **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	08-31-2023



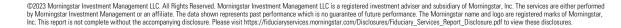




Peer group is a subset of the category and includes funds with the
same management style (active vs. passive) and similar share class
characteristics

	Fund	Bmark	Cat
Alpha	-0.21	_	0.28
Beta	1.00	_	0.98
R-Squared	98.83	_	93.35
Standard Deviation	9.52	9.45	9.75
Sharpe Ratio	-0.11	-0.09	-0.06
Tracking Error	1.03	_	2.57
Information Ratio	-0.21	_	0.00
Up Capture Ratio	101.89	_	100.97
Down Capture Ratio	103.62	_	99.50

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	21.21	18.48	18.93
Price/Book Ratio	3.05	2.73	3.00
Avg Eff Duration	5.60	6.12	5.29





# MFS Conservative Allocation R3 MACNX

Morningstar Category Moderately Conservative

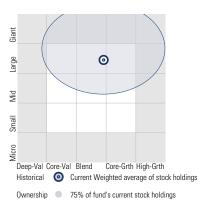
Allocation

Morningstar Index

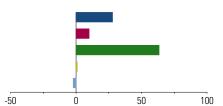
Morningstar US Mod Con Tgt Alloc NR

# Style Analysis as of 09-30-2023

Morningstar Style Box™



Asset Allocation as of 09-30-2023





# Style Breakdown

Equity				rixea	income	
12	25	28	Large			
5	14	9	Mid			
2	4	1	Small			
Value	Blend	Growth		Ltd	Mod	E





		Fund	Bmark	Cat	Fun	d	▼ Ber	nchmar	k [] C	ategory	Avera	ge	
,	Cyclical	37.08	32.18	33.08									
1	Basic Materials	5.25	4.05	3.94									
•	Consumer Cyclical	9.65	11.13	9.36									
)	Financial Services	14.82	14.06	13.53									
ì	Real Estate	7.36	2.94	6.25									
Ħ	Sensitive	41.81	46.36	42.76									
	Communication Services	4.75	7.20	6.39			' :						
)	Energy	3.82	4.69	5.24		• [							
ŀ	Industrials	14.13	11.18	10.51						_			
1	Technology	19.11	23.29	20.62						'			
+	Defensive	21.12	21.45	24.16					<b>"</b>				
7	Consumer Defensive	5.83	6.66	7.26			]						
	Healthcare	12.15	12.21	13.39				[					
1	Utilities	3.14	2.58	3.51									

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ MFS Total Return Bond R6	-	14.71	14.71	_	_
	_	9.82	24.53	_	_
	_	9.70	34.23	_	_
	_	9.68	43.91	_	_
⊕ MFS Global Opportunistic Bd R6	_	6.87	50.77	_	-
→ MFS Research R6	_	6.13	56.91	_	_
→ MFS Value R6	_	6.10	63.01	_	_
→ MFS Growth R6	_	6.10	69.10	_	_
→ MFS Mid Cap Value R6	_	4.09	73.19	_	_
MFS Mid Cap Growth R6	_	4.05	77.24	_	_

# Total Holdings 22



# MFS Growth Allocation R3 MAGEX

Morningstar Category Moderately Aggressive

Morningstar Index

Morningstar US Mod Agg Tgt Alloc NR

## Portfolio Manager(s)

Joseph Flaherty since 06-2002 Natalie Shapiro since 09-2018 Benjamin Nastou since 08-2023 Erich Shigley since 08-2023

### **Quantitative Screens**

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

Management: The fund's management has been in place for 21.27 years.

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

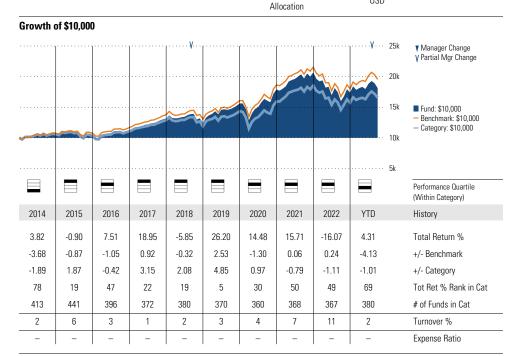
Net Expense: The fund's expense ratio of 0.96 is 2.04% lower than the Moderately Aggressive Allocation category average.

## **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	08-31-2023
Carbon Risk Score	Low Risk	12-31-2022





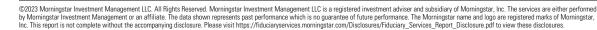
3-Year Risk Metrics

<b>Net Expe</b>	nse		
5.91			► Fund Investment
5.25			Category Median
4.60			<ul> <li>Peer Group Median</li> </ul>
3.94			Quartile Rank
3.28			
2.63			
1.97			
1.31	□ □	······	
0.66			
0.00			
1	Fund vs.	Fund vs.	
C	ategory	Peer Group	
	52	41	Percentile
- 2	201/385	56/137	Rank

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

	Fund	Bmark	Cat
Alpha	-1.32	-	-0.16
Beta	1.01	-	0.98
R-Squared	98.34	-	93.44
Standard Deviation	14.54	14.26	14.65
Sharpe Ratio	0.21	0.30	0.27
Tracking Error	1.88	-	3.38
Information Ratio	-0.72	-	-0.24
Up Capture Ratio	100.74	-	98.61
Down Capture Ratio	108.08	_	100.10

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	20.37	18.62	18.69
Price/Book Ratio	2.87	2.77	2.79
Avg Eff Duration	5.28	6.12	5.34





# MFS Growth Allocation R3 MAGEX

Quality High MidLow

Morningstar Category Moderately Aggressive

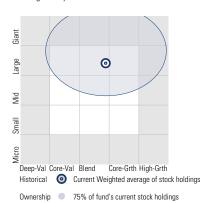
Allocation

Morningstar Index

Morningstar US Mod Agg Tgt Alloc NR

# Style Analysis as of 09-30-2023

Morningstar Style Box™





Equity

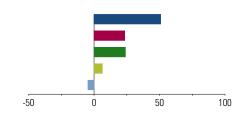
Equity				Fixed In	come
12	25	26	Large		
5	15	9	Mid		
2	5	1	Small		
	DI I	0 1		L c L	

Value Blend Growth

Ltd Mod Ext Duration

>50 25-50 10-25 0-10

# Asset Allocation as of 09-30-2023



Total	100.00	100.00
Other	-4.67	5.39
Cash	6.37	4.27
Bonds	23.97	15.43
Non-US Stocks	23.44	17.72
US Stocks	50.86	57.18
Asset Class	Net %	Cat%

		Fund	Bmark	Cat	Fund		Benc	hmark	[] Ca	ategory	Avera	ge	
,	Cyclical	37.84	32.03	32.90									
	Basic Materials	5.48	3.97	4.48									
)	Consumer Cyclical	10.10	11.13	10.82									
)	Financial Services	14.72	13.98	14.28				Ò					
ì	Real Estate	7.54	2.95	3.32									
×	Sensitive	41.47	46.55	45.49									
	Communication Services	4.65	7.27	8.20		<u>'</u>	0						
	Energy	3.87	4.66	4.55		10	: _						
	Industrials	14.36	11.02	11.46									
l	Technology	18.59	23.60	21.28						1			
•	Defensive	20.69	21.43	21.61									
	Consumer Defensive	6.10	6.62	6.48									
ı	Healthcare	11.55	12.24	12.49									
1	Utilities	3.04	2.57	2.64									

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
→ MFS Research R6	_	10.03	10.03	_	_
→ MFS Growth R6	_	10.00	20.03	_	_
⊕ MFS Value R6	_	9.98	30.02	_	_
→ MFS Mid Cap Value R6	_	8.93	38.94	_	_
→ MFS Mid Cap Growth R6	_	8.90	47.84	_	-
⊕ MFS Research International R6	_	7.00	54.84	_	_
	_	4.93	59.77	_	_
	_	4.02	63.79	_	_
⊕ MFS Global Real Estate R6	_	3.96	67.75	_	_
⊕ MFS High Income R6	_	3.95	71.70	_	_

# Total Holdings 22

igoplus Increase igoplus Decrease igoplus New to Portfolio



## MFS International Growth R3 MGRTX

**Morningstar Category** Foreign Large Growth

Morningstar Index MSCI EAFE NR USD

#### Portfolio Manager(s)

Kevin Dwan since 01-2012 Matthew Barrett since 03-2015

#### **Quantitative Screens**

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

Management: The fund's management has been in place for 11.75 years.

Style: The fund has landed in its primary style box — Large Growth — 77.42 % of the time over the past three

Net Expense: The fund's expense ratio of 1.08 is 4.85% higher than the Foreign Large Growth category average.

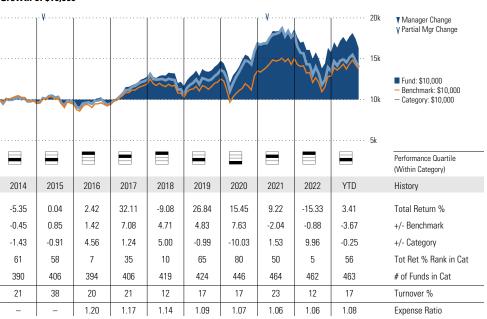
#### **Morningstar Investment Management LLC Analysis**

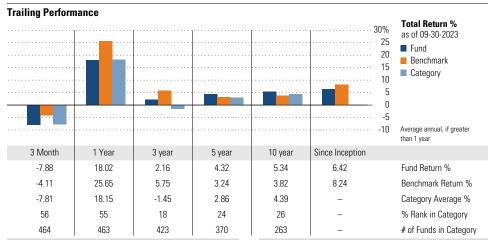
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

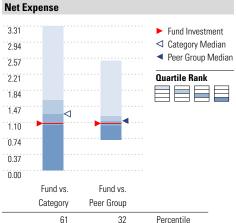
#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	4	08-31-2023
Carbon Risk Score	Low Risk	12-31-2022

#### Growth of \$10,000



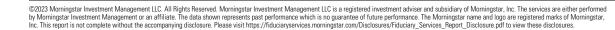




290/471	39/124	Rank	
Peer group is a subset of t	he category ar	nd includes fun	ds with the
same management style (a	active vs. pass	ive) and simila	r share class
characteristics.			

3-Year KISK Wietrics			
	Fund	Bmark	Cat
Alpha	-2.97	-	-7.10
Beta	0.91	-	1.00
R-Squared	90.54	-	85.01
Standard Deviation	17.52	18.23	19.94
Sharpe Ratio	0.09	0.28	-0.08
Tracking Error	5.61	-	7.79
Information Ratio	-0.64	-	-0.96
Up Capture Ratio	89.70	-	87.36
Down Capture Ratio	103.01	_	117.78

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	22.28	13.87	22.08
Price/Book Ratio	3.02	1.69	3.45
Geom Avg Mkt Cap \$B	62.82	47.39	61.22
ROE	18.01	18.84	22.50



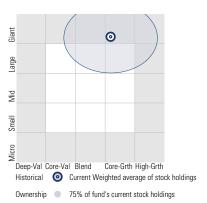


# MFS International Growth R3 MGRTX

## Morningstar CategoryMorningstar IndexForeign Large GrowthMSCI EAFE NR USD

#### Style Analysis as of 09-30-2023

Morningstar Style Box™



#### Style Breakdown

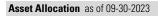
Equity

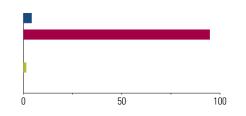
			Large
7	45	40	
0	5	2	Mid
0	0	0	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10

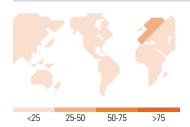




Total	100.00	100.00
Other	0.00	0.62
Cash	1.27	2.25
Bonds	0.00	0.04
Non-US Stocks	94.68	89.86
US Stocks	4.05	7.23
Asset Class	Net %	Cat%

		Fund	Bmark	Cat	Fund	t	Bench	ımark	Cateo	gory Ave	rage		_	
Ն	Cyclical	35.51	39.46	36.15										
A.	Basic Materials	12.29	7.36	6.50			<b>'</b>							
4	Consumer Cyclical	12.73	11.35	14.91				<b>I</b>						
ê	Financial Services	10.49	18.20	14.36					•					
ŧ	Real Estate	0.00	2.55	0.38	0									
M	Sensitive	35.42	33.86	40.29										
	Communication Services	2.94	4.13	3.19		[								
ð	Energy	1.22	4.62	3.01										
¢	Industrials	16.95	16.35	17.23					]					
	Technology	14.31	8.76	16.86			<b>T</b>							
<b>→</b>	Defensive	29.06	26.68	23.57										
	Consumer Defensive	13.47	9.95	8.87										
٠	Healthcare	15.21	13.58	13.85			1							
•	Utilities	0.38	3.15	0.85	1[]	*								
					0%	5	10	15	20	25	30	35	40	4

#### World Regions % Equity 09-30-2023



Greater Asia	Fund % 30.17	27.04
Greater Asia	30.17	27.04
Japan	9.56	11.60
Australasia	1.18	1.55
Asia-4 Tigers	10.95	6.63
Asia-ex 4 Tigers	8.48	7.26
Not Classified	0.00	0.00

Americas	Fund % 12.28	Cat % 14.91	Greater Europe	Fund % 57.55	Cat % 58.05	Market Maturity	Fund %
North America	9.90	12.77	United Kingdom	9.88	12.35	Developed Markets	89.14
Central/Latin	2.38	2.14	W euro-ex UK	47.19	45.17	Emerging Markets	10.86
			Emrgng Europe	0.00	0.04	Not Available	0.00
			Africa	0.48	0.49		

<b>Top 10 Holdings</b> as of 09-30-2023				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Roche Holding AG	4.14	4.14	_	Healthcare
⊕ Nestle SA	4.12	8.26	_	Consumer Defensive
⊕ SAP SE	4.07	12.34	_	Technology
⊕ LVMH Moet Hennessy Louis Vuitton SE	3.78	16.11	_	Consumer Cyclical
⊖ Hitachi Ltd	3.57	19.69	-	Industrials
⊕ Schneider Electric SE	3.38	23.07	_	Industrials
⊕ Taiwan Semiconductor Manufacturing Co Ltd ADR	3.20	26.26	18.48	Technology
⊕ Linde PLC	3.01	29.27	15.33	Basic Materials
⊕ AIA Group Ltd	2.46	31.73	_	Financial Services
⊕ Amadeus IT Group SA	2.19	33.92	-	Consumer Cyclical

#### Total Holdings 93

## MFS Moderate Allocation R3 MAMHX

**Morningstar Category** Moderate Allocation

Morningstar Index

Morningstar US Mod Tgt Alloc NR USD

#### Portfolio Manager(s)

Joseph Flaherty since 06-2002 Natalie Shapiro since 09-2018 Benjamin Nastou since 08-2023 Erich Shigley since 08-2023

#### **Quantitative Screens**

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

Management: The fund's management has been in place for 21.27 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 0.9 is 10% lower than the Moderate Allocation category average.

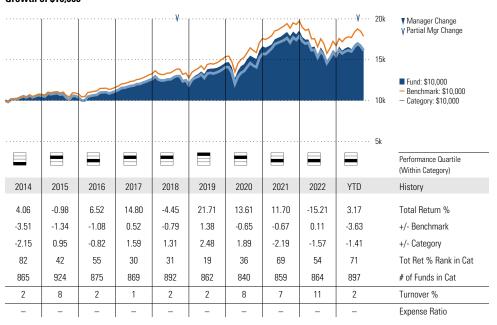
#### **Morningstar Investment Management LLC Analysis**

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.

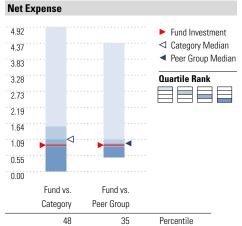
#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	08-31-2023
Carbon Risk Score	Low Risk	12-31-2021

#### Growth of \$10,000







125/359 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

Fund Bm	nark	Cat
1.34		-0.04
1.00	_	0.98
8.26	_ 9	94.16
2.19 12	2.04 1	2.24
0.06	).17	0.16
1.61	-	2.86
0.86		-0.13
8.53	- 9	9.51
6.89	- 10	0.41
	1.34 1.00 98.26 2.19	-1.34

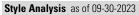
Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	20.76	19.23	20.37
Price/Book Ratio	2.95	2.95	3.33
Avg Eff Duration	6.01	6.12	5.40



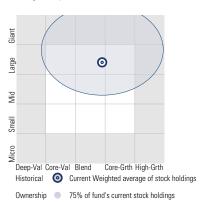
## MFS Moderate Allocation R3 MAMHX

#### **Morningstar Category Morningstar Index** Moderate Allocation

Morningstar US Mod Tgt Alloc NR USD



Morningstar Style Box™



#### Style Breakdown

Fauity

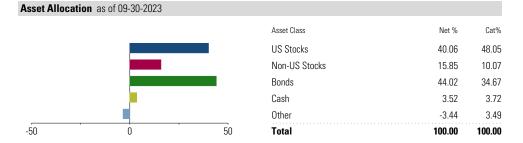
Equity				١
11	24	26	Large	
5	15	9	Mid	
2	5	1	Small	

Value Blend Growth

>50 25-50 10-25 0-10

Fixed Income Quality High MidLow Mod Ltd Duration

Weight %



			р .	0 .			n		Пс				
		Fund	Bmark	Cat	Fund		Ben	chmarl	(    (	Category	Avera	ge	
b	Cyclical	37.59	31.19	29.77		. :							
	Basic Materials	5.32	3.60	3.66									
<b>-</b>	Consumer Cyclical	10.04	11.11	10.33									
ê	Financial Services	14.66	13.54	13.53									
b	Real Estate	7.57	2.94	2.25									
NF	Sensitive	41.70	47.30	45.97									
	Communication Services	4.68	7.43	7.43		• i							
•	Energy	3.86	4.60	4.63									
þ	Industrials	14.30	10.65	10.79									
1	Technology	18.86	24.62	23.12									
<b>→</b>	Defensive	20.72	21.51	24.27						[			
Ę	Consumer Defensive	5.86	6.50	6.76				_					
1	Healthcare	11.75	12.47	14.52									
2	Utilities	3.11	2.54	2.99									

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
MFS Government Securities R6	_	9.85	9.85	_	_
⊕ MFS Total Return Bond R6	_	8.90	18.76	_	_
→ MFS Research R6	_	8.06	26.81	_	-
→ MFS Growth R6	_	8.02	34.84	_	-
→ MFS Value R6	_	8.01	42.84	_	-
	_	6.97	49.81	_	_
	_	6.95	56.76	_	_
⊕ MFS Inflation-Adjusted Bond R6	_	6.93	63.70	_	_
	_	5.00	68.70	_	_
⊕ MFS Global Opportunistic Bd R6	_	4.96	73.66	_	_

#### Total Holdings 23



## MFS New Discovery R3 MNDHX

Morningstar Category

Small Growth

Morningstar Index

Russell 2000 Growth TR USD

#### Portfolio Manager(s)

Michael Grossman since 12-2013

#### **Quantitative Screens**

Performance: The fund has finished in the Small 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 9.75 years.

Net Expense: The fund's expense ratio of 1.24 is 6.9% higher than the Small Growth category average.

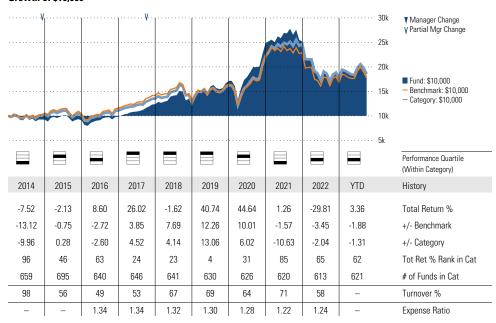
#### **Morningstar Investment Management LLC Analysis**

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.

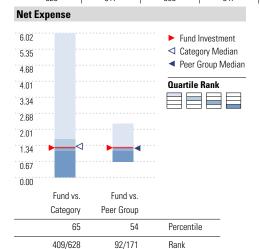
#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	4	08-31-2023
Carbon Risk Score	Medium Risk	12-31-2022

#### Growth of \$10,000



#### **Trailing Performance Total Return %** as of 09-30-2023 ■ Fund Benchmark Category Average annual, if greater than 1 year 3 Month 1 Year 10 year Since Inception 3 year 5 year Fund Return % -6.47 9.94 -2.96 4.09 6.98 8.91 -7.32 9.59 1.09 1.55 6.72 9.16 Benchmark Return % -6 52 2 25 7 78 912 3 74 Category Average % 53 45 81 42 68 % Rank in Category 626 617 586 547 420 # 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 Metrics			
	Fund	Bmark	Cat
Alpha	-3.99	_	0.22
Beta	0.90	_	0.92
R-Squared	91.72	_	89.86
Standard Deviation	21.52	22.93	22.32
Sharpe Ratio	-0.13	0.07	0.07
Tracking Error	6.61	-	7.45
Information Ratio	-0.61	-	-0.01
Up Capture Ratio	81.68	-	94.65
Down Capture Ratio	95.36	-	94.64

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	21.29	20.11	24.88
Price/Book Ratio	2.92	3.83	3.93
Geom Avg Mkt Cap \$B	4.46	2.75	5.46
ROE	5.61	9.52	14.27



# MFS New Discovery R3 MNDHX

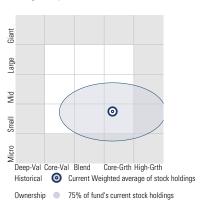
# Morningstar Category Small Growth

Morningstar Index

Russell 2000 Growth TR USD

## Style Analysis as of 09-30-2023

Morningstar Style Box™



#### Style Breakdown

Equity

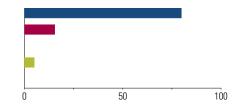
Lquity			
0	0	1	Large
1	12	16	Mid
8	26	36	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10

#### Asset Allocation as of 09-30-2023



Total	100.00	100.00
Other	0.00	1.21
Cash	4.89	2.44
Bonds	0.00	0.02
Non-US Stocks	15.33	4.65
US Stocks	79.78	91.66
Asset Class	Net %	Cat%

		Fund	Bmark	Cat	Fund		▼ B	enchr	nark	[] Ca	itegor	y Aver	age		
<b>Դ</b>	Cyclical	20.41	21.85	24.20											
A.	Basic Materials	4.52	4.54	3.06		ľ									
<b>A</b>	Consumer Cyclical	10.71	10.51	11.41											
	Financial Services	2.67	5.19	7.41		[									
<b>fi</b>	Real Estate	2.51	1.61	2.32											
W	Sensitive	57.71	49.92	48.57											
	Communication Services	2.25	1.93	1.58		-									
ð	Energy	8.23	5.13	3.72					_						
Ф	Industrials	20.18	18.17	18.92						- 1					
	Technology	27.05	24.69	24.35											
<b>-</b>	Defensive	21.87	28.21	27.22							]				
Ħ	Consumer Defensive	5.30	4.71	4.65		Ó									
+	Healthcare	16.57	21.89	21.71											
0	Utilities	0.00	1.61	0.86	i[]										

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
				g
⊕ Currency Cash CASH_USD	4.91	4.91	-	_
⊕ GFL Environmental Inc	2.24	7.15	8.79	Industrials
⊕ RB Global Inc	2.14	9.30	12.03	Industrials
Sensata Technologies Holding PLC	1.94	11.23	-5.47	Technology
Jacobs Solutions Inc	1.86	13.09	14.33	Industrials
	1.85	14.95	4.70	Energy
	1.85	16.80	23.72	Energy
⊕ Advanced Energy Industries Inc	1.81	18.60	20.56	Industrials
⊕ ExlService Holdings Inc	1.80	20.40	-17.25	Technology
Stag Industrial Inc	1.71	22.11	10.22	Real Estate
nVent Electric PLC	1.65	23.77	39.11	Industrials
KBR Inc	1.62	25.39	12.40	Industrials
⊕ DoubleVerify Holdings Inc	1.59	26.98	27.28	Technology
Crane Co	1.52	28.51	24.53	Industrials
⊕ Five9 Inc	1.48	29.99	-5.25	Technology

#### **Total Holdings** 111



## MFS Research International R3 MRSHX

Morningstar Category Foreign Large Blend

Morningstar Index MSCI ACWI Ex USA NR USD

#### Portfolio Manager(s)

Camille Lee since 09-2018 Nicholas Paul since 12-2022

#### **Quantitative Screens**

Performance: The fund has finished in the Foreign 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 5.08 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 1 is 14.94% higher than the Foreign Large Blend category average.

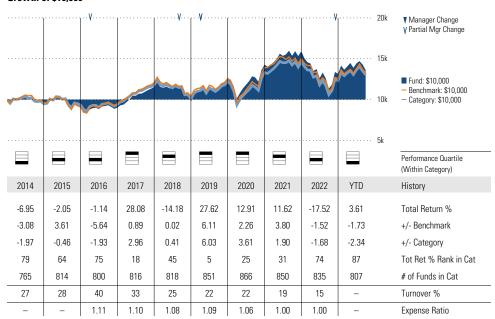
#### **Morningstar Investment Management LLC Analysis**

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.

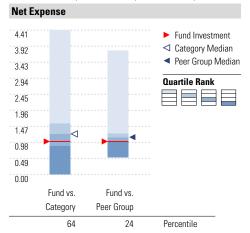
#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	08-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	2-Basic	02-15-2022

#### Growth of \$10,000







	548/850	43/180	Rank	
Peer gr	oup is a subset of	the category an	d includes fun	ds with the
same n	nanagement style	(active vs. passi	ve) and similar	share class
charact	arietice			

3-Year KISK Welfics			
	Fund	Bmark	Cat
Alpha	-1.28	_	0.38
Beta	1.01	_	1.03
R-Squared	93.52	_	93.49
Standard Deviation	17.90	17.19	18.35
Sharpe Ratio	0.10	0.18	0.20
Tracking Error	4.56	-	4.70
Information Ratio	-0.31	-	0.11
Up Capture Ratio	103.47	-	106.23
Down Capture Ratio	110.26	-	105.46

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	17.38	13.48	14.20
Price/Book Ratio	2.20	1.67	1.88
Geom Avg Mkt Cap \$B	49.99	42.75	56.55
ROE	19.88	17.72	20.14



## MFS Research International R3 MRSHX

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

**Morningstar Index** 

MSCI ACWI Ex USA NR USD

#### Style Analysis as of 09-30-2023

Morningstar Style Box™



#### Style Breakdown

Equity

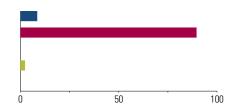
18	39	29	Large
2	9	2	Mid
1	0	0	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10

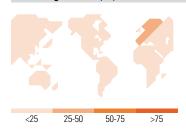
#### Asset Allocation as of 09-30-2023



Total	100.00	100.00
Other	0.00	1.45
Cash	2.16	0.97
Bonds	0.00	0.22
Non-US Stocks	89.46	93.89
US Stocks	8.37	3.46
Asset Class	Net %	Cat%

Sec	ctor Weighting as of 09-	30-2023			
		Fund	Bmark	Cat	Fund Fenchmark Category Average
<b>Դ</b>	Cyclical	41.92	41.89	38.41	
A.	Basic Materials	9.39	7.82	7.05	
A	Consumer Cyclical	11.80	11.49	11.57	
<b>F</b>	Financial Services	18.97	20.40	18.15	<b>1</b>
命	Real Estate	1.76	2.18	1.64	
W	Sensitive	33.24	36.89	37.34	
	Communication Services	2.81	5.62	4.54	
•	Energy	4.98	5.82	4.93	
Ф	Industrials	17.05	13.36	16.31	
	Technology	8.40	12.09	11.56	
<b>—</b>	Defensive	24.84	21.21	24.25	
Ħ	Consumer Defensive	9.02	8.36	9.65	
+	Healthcare	12.69	9.90	11.90	
•	Utilities	3.13	2.95	2.70	
					0% 5 10 15 20 25 30 35 40 45

#### World Regions % Equity 09-30-2023



Greater Asia	Fund % 33.51	Cat % 35.08	
Japan	19.75	18.59	
Australasia	4.24	4.86	
Asia-4 Tigers	6.72	6.61	
Asia-ex 4 Tigers	2.80	5.02	
Not Classified	0.00	0.00	

Americas	Fund % 10.44	Cat % 8.51	Greater Europe	Fund % 56.05	Cat % 56.41	Market Maturity	Fund %
North America	10.44	7.23	United Kingdom	11.02	13.72	Developed Markets	97.20
Central/Latin	0.00	1.28	W euro-ex UK	45.03	41.70	Emerging Markets	2.80
			Emrgng Europe Africa	0.00 0.00	0.07 0.92	Not Available	0.00

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Linde PLC	3.15	3.15	15.33	Basic Materials
Roche Holding AG	2.96	6.11	_	Healthcare
LVMH Moet Hennessy Louis Vuitton SE	2.94	9.04	_	Consumer Cyclical
Schneider Electric SE	2.86	11.90	_	Industrials
Nestle SA	2.83	14.73	_	Consumer Defensive
Novo Nordisk A/S Class B	2.46	17.19	-	Healthcare
Hitachi Ltd	2.15	19.34	_	Industrials
Currency Cash CASH_USD	2.09	21.43	_	_
Diageo PLC	1.80	23.23	_	Consumer Defensive
TotalEnergies SE	1.63	24.86	_	Energy

#### Total Holdings 118

## PIMCO Income A PONAX

#### 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 16.52 years.

Style Consistency is not calculated for Fixed Income funds.

✓ Net Expense: The fund's expense ratio of 1.02 is 4.08% higher 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.

#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	4	08-31-2023

Morningstar Category Multisector Bond Morningstar Index

isector Bond Bloomberg US Universal TR USD





421

1.49

396

1.02

319

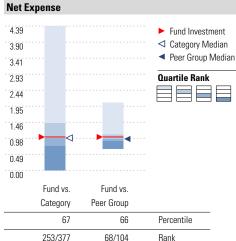
0.91

426

1.02

Turnover %

Expense Ratio



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

3-Year Kisk Metrics			
	Fund	Bmark	Cat
Alpha	4.27	_	3.21
Beta	0.84	_	0.78
R-Squared	80.17	_	68.44
Standard Deviation	5.77	6.17	5.81
Sharpe Ratio	-0.28	-1.08	-0.40
Tracking Error	2.76	_	3.69
Information Ratio	1.79	_	1.16
Up Capture Ratio	107.15	_	92.20
Down Capture Ratio	56.49	_	55.86

Portfolio Metrics			
	Fund	Bmark	Cat
Avg Eff Duration	4.01	4.55	4.43
Avg Eff Maturity	5.78	7.69	7.23



251

164

52

0.85

190

0.85

211

1.35

472

1.45

# PIMCO Income A PONAX

Style Analysis as of 09-30-2023 Style Breakdown Fixed Income Quality High Μid MOT Mod Ext Duration

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	58.86	67.64	22.57
AA	5.30	3.23	3.57
A	3.36	10.03	8.60
BBB	11.99	10.89	21.91
BB	8.89	3.19	19.49
В	3.98	3.64	12.39
Below B	7.62	1.38	4.32
Not Rated	0.00	0.00	7.16

#### **Morningstar Category** Multisector Bond Bloomberg US Universal TR USD Asset Allocation as of 09-30-2023 Asset Class Cat% Net % US Stocks 1.48 1.20 Non-US Stocks -1.39 0.16 Bonds 221.73 89.79 Cash -122.08 6.58 Other 0.26 2.27 -100 -50 50 100 150 200 250 Total 100.00 100.00

**Morningstar Index** 

Sector Weighting as of 09-			_			. п				
	Fund	Bmark	Cat	Fund	▼ Bench	ımark 📙	Category Av	erage		
Government	42.66	-	27.98							
Treasury	1.66	_	9.52							
Inflation – Protected	1.97	_	0.74							
Agency/Quasi Agency	0.02	_	0.61	[]						
Other Government Related	39.01	_	17.11					:		
Corporate	2.83	_	34.47							
Corporate Bond	2.20	_	28.76							
Bank Loan	0.62	_	3.29							
Convertible	0.01	_	0.78	[						
Preferred	0.00	_	1.64							
Securitized	18.73	_	22.98							
Agency MBS Pass-Through	10.30	_	6.64							
Agency MBS ARM	0.00	_	0.02							
Agency MBS CM0	0.14	_	1.98	[						
Non-Agency Residential MBS	3.14	_	1.76							
Commercial MBS	0.20	_	2.15							
Asset-Backed	4.95	-	10.43		<b>[</b>					
Covered Bond	0.00	_	0.00							
Municipal	0.01	_	0.34	()						
Cash & Equivalents	27.60	_	6.96							
Other	7.99	_	7.27							

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
Öffset: Unsettled Trades	_	40.63	40.63	_
⊕ RFR USD S0FR/5.10000 05/22/23-1Y LCH Pay	05-2024	33.49	74.12	_
⊕ RFR USD SOFR/5.10000 05/22/23-1Y LCH Receive	05-2024	33.40	107.52	_
€ RFR USD SOFR/5.40000 06/06/23-1Y LCH Receive	06-2024	19.71	127.23	_
⊕ RFR USD SOFR/5.40000 06/06/23-1Y LCH Pay	06-2024	19.71	146.94	_
⊕ RFR USD S0FR/4.50000 05/22/23-2Y LCH Pay	05-2025	17.27	164.21	_
⊕ RFR USD SOFR/4.50000 05/22/23-2Y LCH Receive	05-2025	17.16	181.37	_
☆ Cash Offset	_	13.42	194.79	_
→ RFRF USD SF+26.161/0.00 11/04/22-1Y* LCH Pay	08-2023	12.63	207.42	_
⊕ IRSF USD 0.00000 11/04/22-1Y* (WHT) LCH Pay	08-2023	12.63	220.06	_

**Total Holdings 8508** 



## PIMCO Short-Term A PSHAX

#### **Morningstar Category** Ultrashort Bond

Morningstar Index

Bloomberg US Agg Bond TR USD

#### Portfolio Manager(s)

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

#### **Quantitative Screens**

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

Management: The fund's management has been in place for 12.75 years.

Style Consistency is not calculated for Fixed Income funds.

× Net Expense: The fund's expense ratio of 0.72 is 71.43% higher than the Ultrashort Bond category average.

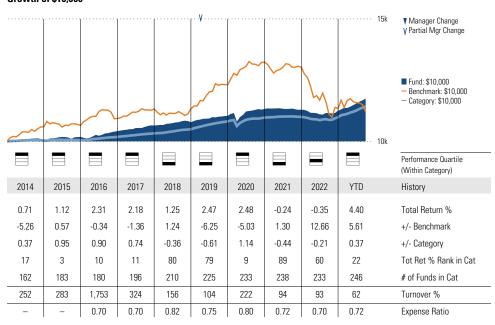
#### **Morningstar Investment Management LLC Analysis**

This fund fails our expense screen with fees that are higher than the broad category average. Plan costs are sometimes wrapped into fund fees, but because costs are predictive of a fund's future relative performance, we would still like to see lower overall expenses here.

#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	08-31-2023

#### Growth of \$10,000



## **Trailing Performance**



Net Exp	oense		
1.59			► Fund Investment
1.41	• • • • • • • • • • • • • • • • • • • •		Category Median
1.24			<ul> <li>Peer Group Media</li> </ul>
1.06			Quartile Rank
0.88			
0.71			
0.53			
0.35			
0.18			
0.00			
	Fund vs.	Fund vs.	
	Category	Peer Group	
	87	77	Percentile

239/272	45/59	Rank				
Peer group is a subset of th	ne category an	d includes fund	ls with the			
same management style (active vs. passive) and similar share class						
characteristics						

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	1.35	_	1.85
Beta	0.00	_	0.08
R-Squared	0.00	_	21.31
Standard Deviation	1.21	6.20	1.08
Sharpe Ratio	-0.75	-1.16	-0.98
Tracking Error	6.31	_	5.82
Information Ratio	1.04	_	1.15
Up Capture Ratio	3.30	_	15.49
Down Capture Ratio	-10.45	-	-5.01

Portfolio Metrics			
	Fund	Bmark	Cat
Avg Eff Duration	0.19	4.43	0.70
Avg Fff Maturity	_	_	1.94



# PIMCO Short-Term A PSHAX

# Style Analysis as of 09-30-2023 Style Breakdown Fixed Income Quality Given the state of the st

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	55.34	3.53	47.87
AA	4.08	74.59	8.37
A	16.68	10.82	21.90
BBB	23.41	8.32	16.09
BB	0.14	0.28	0.89
В	0.17	0.00	0.42
Below B	0.17	0.00	0.09
Not Rated	0.00	2.46	4.38

#### Asset Allocation as of 09-30-2023 Asset Class Cat% Net % US Stocks -3.32 0.10 Non-US Stocks 0.00 -0.13 Bonds 66.64 71.51 Cash 36.82 28.31 0.00 Other 0.10 -50 50 100 Total 100.00 100.00

Morningstar Category
Ultrashort Bond

Morningstar Index

Bloomberg US Agg Bond TR USD

	Fund	Bmark	Cat	Fund	• D	enchmark	Catoo	ory Avera	90		
Government	22.68	- Dillark	24.91	Tunu	, ,	CHCHIHAIK	ll careé	ory Avera	ye ı n		
								n :	· U		
Treasury	16.48	_	19.27			:		U :			
Inflation – Protected	0.00	-	0.00	<u> </u>							
Agency/Quasi Agency	6.20	-	3.26								
Other Government Related	0.00	_	2.38	[							
Corporate	22.49	-	33.27								
Corporate Bond	22.39	_	32.65								
Bank Loan	0.09	_	0.59	1[]							
Convertible	0.01	_	0.03								
Preferred	0.00	_	0.00								
Securitized	21.40	-	20.86								
Agency MBS Pass-Through	0.49	_	0.17	D							
Agency MBS ARM	0.09	_	0.24								
Agency MBS CM0	0.59	_	1.72								
Non-Agency Residential MBS	1.72	_	0.06								
Commercial MBS	2.80	-	2.46								
Asset-Backed	15.71	_	16.21		-	1					
Covered Bond	0.00	_	0.00								
Municipal	0.09	-	0.53	I[]							
Cash & Equivalents	28.27	_	18.81								
Other	4.93	_	1.61								
				0%	5	10	15	20	25	30	3!

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
☼ Offset: Unsettled Trades	_	29.90	29.90	_
☆ Cash Offset	_	25.15	55.05	_
⊖ CDX IG40 5Y ICE	06-2028	16.16	71.21	_
United States Treasury Bills 0%	08-2023	10.40	81.61	_
⊕ United States Treasury Bills 0%	08-2023	10.13	91.75	_
⊕ United States Treasury Bills 0%	10-2023	6.18	97.93	_
→ US 5 Year Note (CBT) Sept13	09-2023	5.39	103.32	_
→ AUSTRALIAN DOLLARS Sold	08-2023	3.12	106.44	_
→ AUSTRALIAN DOLLARS Purchased	08-2023	3.12	109.56	_
⊕ U S TREASURY REPO	07-2023	2.82	112.38	_

Total Holdings 1063



## T. Rowe Price Dividend Growth Advisor TADGX

**Morningstar Category** Large Blend

Morningstar Index S&P 500 TR USD

#### Portfolio Manager(s)

Thomas Huber since 03-2000

#### **Quantitative Screens**

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

Management: The fund's management has been in place for 23.52 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 0.9 is 20% higher than the Large Blend category average.

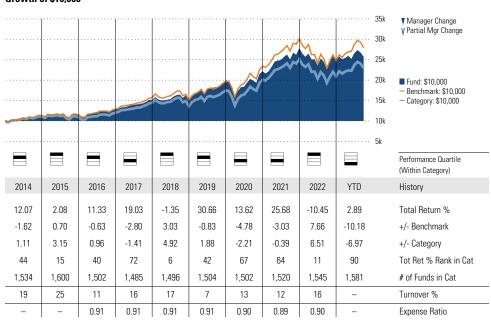
#### **Morningstar Investment Management LLC Analysis**

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.

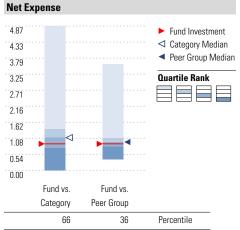
#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	4	08-31-2023
Carbon Risk Score	Low Risk	12-31-2022

#### Growth of \$10,000







1131/1700	120/335	Rank	
Peer group is a subset of	f the category an	ıd includes fun	ds with the
same management style	(active vs. passi	ive) and simila	r share class
characteristics			

3-Year KISK Wietrics			
	Fund	Bmark	Cat
Alpha	0.01	_	-0.66
Beta	0.88	_	0.95
R-Squared	93.38	_	94.61
Standard Deviation	16.21	17.85	17.40
Sharpe Ratio	0.48	0.52	0.45
Tracking Error	4.71	_	3.74
Information Ratio	-0.25	_	-1.15
Up Capture Ratio	88.31	_	93.16
Down Capture Ratio	88.61	-	95.77

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	21.98	22.40	22.25
Price/Book Ratio	4.16	3.98	4.46
Geom Avg Mkt Cap \$B	140.47	228.69	275.77
ROE	30.85	30.76	29.52



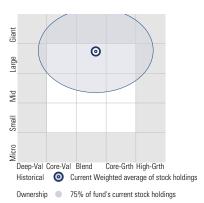
## T. Rowe Price Dividend Growth Advisor TADGX

# Morningstar Category Large Blend

Morningstar Index S&P 500 TR USD

## Style Analysis as of 09-30-2023

Morningstar Style Box™



#### Style Breakdown

Equity

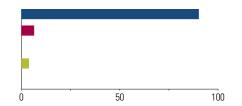
14	45	24	Large
1	14	3	Mid
0	0	0	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10

#### Asset Allocation as of 09-30-2023



Total	100.00	100.00
Other	0.00	1.34
Cash	3.61	0.71
Bonds	0.00	0.15
Non-US Stocks	6.30	2.48
US Stocks	90.09	95.33
Asset Class	Net %	Cat%

		Fund	Bmark	Cat	Fund	1	▼ Ro	nchma	rk N	Catoo	ιοη, Δι	erage		
					Fullo		, pe	IICIIIIId	IK []	Caleg	UIY AV	reraye		
<b>և</b>	Cyclical	29.54	27.45	27.95	7	1	1	1	1	1	Ų.			
à.	Basic Materials	3.11	2.23	2.85										
<b>-</b>	Consumer Cyclical	8.19	10.77	10.13			• []							
ê	Financial Services	15.54	12.01	12.82										
b	Real Estate	2.70	2.44	2.15										
NI	Sensitive	39.24	50.38	48.85										
	Communication Services	0.53	8.81	7.72	1									
•	Energy	3.46	4.42	3.99										
\$	Industrials	13.02	8.29	10.30										
3	Technology	22.23	28.86	26.84							1			
<b>→</b>	Defensive	31.23	22.17	23.21										
Ę	Consumer Defensive	10.37	6.53	6.73										
1	Healthcare	17.77	13.21	14.16					H					
?	Utilities	3.09	2.43	2.32										

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Microsoft Corp	5.99	5.99	32.51	Technology
Apple Inc	4.69	10.68	32.32	Technology
	3.53	14.20	_	_
⊕ UnitedHealth Group Inc	2.07	16.27	-3.88	Healthcare
⊕ Visa Inc Class A	2.01	18.28	11.36	Financial Services
⊕ Accenture PLC Class A	1.86	20.14	16.35	Technology
Marsh & McLennan Companies Inc	1.84	21.97	16.14	Financial Services
JPMorgan Chase & Co	1.80	23.78	10.38	Financial Services
⊕ Chubb Ltd	1.61	25.39	-4.47	Financial Services
General Electric Co	1.58	26.97	49.86	Industrials
Thermo Fisher Scientific Inc	1.48	28.45	-7.89	Healthcare
Roper Technologies Inc	1.48	29.93	12.55	Technology
⊕ McKesson Corp	1.44	31.37	16.38	Healthcare
Mondelez International Inc Class A	1.41	32.78	5.92	Consumer Defensive
⊕ Becton, Dickinson and Co	1.38	34.16	2.74	Healthcare

**Total Holdings** 107



## T. Rowe Price Retirement 2010 Advisor PARAX

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

#### Portfolio Manager(s)

Wyatt Lee since 08-2015 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 8 of the 10 years it's been in existence.

Management: The fund's management has been in place for 8.17 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 0.74 is 48% higher than the Target-Date 2000-2010 category average.

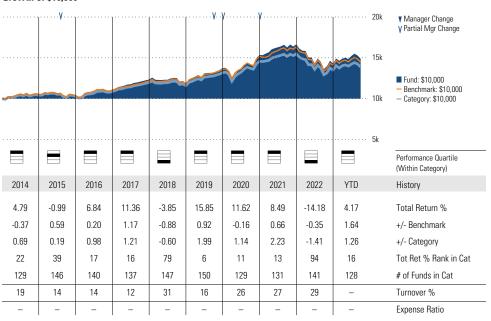
#### **Morningstar Investment Management LLC Analysis**

This fund fails our expense screen with fees that are higher than the broad category average. Plan costs are sometimes wrapped into fund fees, but because costs are predictive of a fund's future relative performance, we would still like to see lower overall expenses here.

#### **ESG Metrics**

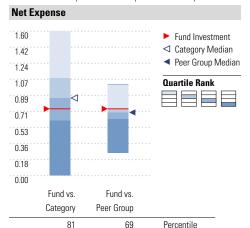
Metric	Rating	Updated
Sustainability Rating	3	08-31-2023
FSG Commitment	1-l ow	02-15-2022

#### Growth of \$10,000



#### **Trailing Performance**





	113/139	18/27	Rank					
Peer group is a subset of the category and includes funds with the								
same management style (active vs. passive) and similar share class								
chara	etarietice							

Rank

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	0.93	_	-0.18
Beta	1.01	_	0.87
R-Squared	98.33	_	96.69
Standard Deviation	9.71	9.57	8.45
Sharpe Ratio	0.00	-0.10	-0.16
Tracking Error	1.26	_	2.00
nformation Ratio	0.74	_	0.02
Up Capture Ratio	103.11	_	84.96
Down Capture Ratio	96.07	_	86.26

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	18.42	17.93	18.19
Price/Book Ratio	2.64	2.50	2.76
Avg Eff Duration	6.05	_	5.87

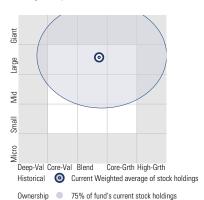


## T. Rowe Price Retirement 2010 Advisor PARAX

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

#### Style Analysis as of 09-30-2023

Morningstar Style Box™



#### Style Breakdown

Equity

16	27	27	•
6	12	6	
2	3	2	

Value Blend Growth

# Mid

Duration Weight %

Fixed	Income		Quality
			High
			Mid
			Low
Ltd	Mod	Ext	_

· uiuo	Diona	GIOVVIII

>50 25-50 10-25 0-10

<b>Asset Allocation</b> as of 09-30-2023				
		Asset Class	Net %	Cat%
		US Stocks	29.46	22.85
		Non-US Stocks	15.03	12.65
		Bonds	44.68	57.18
		Cash	9.97	4.88
		Other	0.86	2.46
0	50	Total	100.00	100.00

yclical asic Materials onsumer Cyclical nancial Services eal Estate ensitive	33.68 4.90 10.34 14.51 3.93	37.14 4.19 10.35 13.90 8.70	33.31 4.81 9.99 14.97 3.54		<b>V</b>						0		
onsumer Cyclical nancial Services eal Estate	10.34 14.51 3.93	10.35 13.90	9.99 14.97				<b>•</b>						
nancial Services eal Estate	14.51 3.93	13.90	14.97			_0'	<b>,</b>						
eal Estate	3.93				:		<u> </u>						
		8.70	3.54										
ensitive					0	•							
	42.05	42.43	43.61										
ommunication Services	6.12	6.46	6.23										
nergy	3.95	4.51	5.32		•								
dustrials	10.70	11.21	11.40										
echnology	21.28	20.25	20.66										
efensive	24.28	20.44	23.09										
onsumer Defensive	7.11	6.30	7.13										
ealthcare	14.44	11.31	13.16				()=						
tilities	2.73	2.83	2.80										
e 0	chnology fensive nsumer Defensive valthcare	chnology         21.28           fensive         24.28           nsumer Defensive         7.11           valthcare         14.44	chnology         21.28         20.25           fensive         24.28         20.44           nsumer Defensive         7.11         6.30           valthcare         14.44         11.31	chnology         21.28         20.25         20.66           fensive         24.28         20.44         23.09           nsumer Defensive         7.11         6.30         7.13           valthcare         14.44         11.31         13.16	chnology         21.28         20.25         20.66           fensive         24.28         20.44         23.09           nsumer Defensive         7.11         6.30         7.13           valthcare         14.44         11.31         13.16	chnology         21.28         20.25         20.66           fensive         24.28         20.44         23.09           nsumer Defensive         7.11         6.30         7.13           valthcare         14.44         11.31         13.16	chnology 21.28 20.25 20.66  fensive 24.28 20.44 23.09  nsumer Defensive 7.11 6.30 7.13  althcare 14.44 11.31 13.16	chnology 21.28 20.25 20.66  fensive 24.28 20.44 23.09  nsumer Defensive 7.11 6.30 7.13  althcare 14.44 11.31 13.16	chnology 21.28 20.25 20.66 fensive 24.28 20.44 23.09 nsumer Defensive 7.11 6.30 7.13 feathcare 14.44 11.31 13.16	chnology         21.28         20.25         20.66           fensive         24.28         20.44         23.09           nsumer Defensive         7.11         6.30         7.13           valthcare         14.44         11.31         13.16	chnology 21.28 20.25 20.66 fensive 24.28 20.44 23.09 nsumer Defensive 7.11 6.30 7.13 feathcare 14.44 11.31 13.16	chnology 21.28 20.25 20.66  fensive 24.28 20.44 23.09  nsumer Defensive 7.11 6.30 7.13  althcare 14.44 11.31 13.16	chnology 21.28 20.25 20.66  fensive 24.28 20.44 23.09  nsumer Defensive 7.11 6.30 7.13  althcare 14.44 11.31 13.16

<b>Top 10 Holdings</b> as of 09-30-2023					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ T. Rowe Price Ltd Dur Infl Focus Bd Z	_	14.57	14.57	_	_
	_	14.33	28.90	_	_
	_	7.47	36.38	_	-
	-	7.41	43.79	_	_
	-	5.17	48.96	-	-
	_	4.56	53.53	_	_
	-	3.90	57.43	_	_
	_	3.87	61.30	_	_
⊕ T. Rowe Price US Trs Long-Term ldx Z	_	3.79	65.09	-	_
⊕ T. Rowe Price US Treasury Money Z	_	3.70	68.79	_	_

#### **Total Holdings 27**



## T. Rowe Price Retirement 2015 Advisor PARHX

**Morningstar Category** Target-Date 2015

Morningstar Index Morningstar Lifetime Mod 2015 TR USD

#### Portfolio Manager(s)

Wyatt Lee since 08-2015 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 10 of the 10 years it's

Management: The fund's management has been in place for 8.17 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 0.75 is 38.89% higher than the Target-Date 2015 category average.

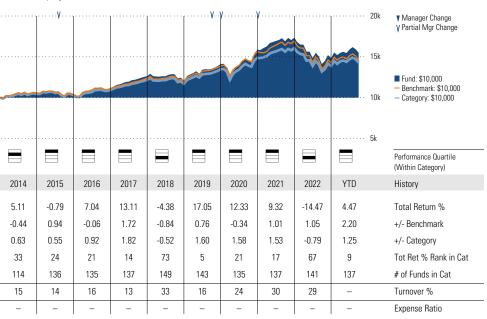
#### **Morningstar Investment Management LLC Analysis**

This fund fails our expense screen with fees that are higher than the broad category average. Plan costs are sometimes wrapped into fund fees, but because costs are predictive of a fund's future relative performance, we would still like to see lower overall expenses here.

#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	08-31-2023
ESG Commitment	1-Low	02-15-2022

#### Growth of \$10,000



#### **Trailing Performance**



<b>Net Exp</b>	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	✓			
0.65				
0.43				
0.22				
0.00				
	Fund vs.	Fund	d vs.	
	Category	Peer G	roup	

110/146	14/31	Rank							
Peer group is a subset of the category and includes funds with the									
same management style (a	ctive vs. pass	ive) and simila	r share class						
characteristics									

47

Percentile

3-Year RISK Wetrics			
	Fund	Bmark	Cat
Alpha	1.77	_	0.81
Beta	0.95	_	0.90
R-Squared	97.82	_	97.66
Standard Deviation	10.16	10.54	9.57
Sharpe Ratio	0.05	-0.12	-0.06
Tracking Error	1.58	_	1.88
Information Ratio	1.13	_	0.47
Up Capture Ratio	100.38	_	91.61
Down Capture Ratio	88.22	_	85.97

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	18.48	17.77	18.18
Price/Book Ratio	2.65	2.46	2.74
Avg Eff Duration	6.14	_	5.88



75

## T. Rowe Price Retirement 2015 Advisor PARHX

Quality

High

Mid

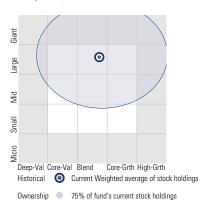
Low

**Morningstar Category** Target-Date 2015

**Morningstar Index** Morningstar Lifetime Mod 2015 TR USD

#### Style Analysis as of 09-30-2023

Morningstar Style Box™



#### Style Breakdown

Equity 27 16 27

Large Mid6 12 6 2 3 2

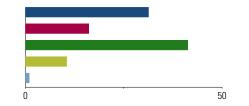
Value Blend Growth

Mod Ltd Duration

Fixed Income

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

#### Asset Allocation as of 09-30-2023



Total	100.00	100.00
Other	0.92	4.88
Cash	10.45	3.78
Bonds	41.26	51.48
Non-US Stocks	16.09	14.35
US Stocks	31.28	25.52
Asset Class	Net %	Cat%

	ctor Weighting as of 09-3		Б	0 .	-				По					
		Fund	Bmark	Cat	Fund	d '	Bench	mark	Categ	jory Ave	erage		,	
Դ	Cyclical	33.61	37.27	33.44										
A	Basic Materials	4.84	4.29	4.84										
A	Consumer Cyclical	10.38	10.40	10.30										
<del>,</del>	Financial Services	14.49	14.00	14.93										
<b>fi</b>	Real Estate	3.90	8.58	3.37		0	•							
W	Sensitive	42.17	42.31	43.97										i [
	Communication Services	6.16	6.41	6.30										
ð	Energy	3.92	4.54	5.24										
Ф	Industrials	10.63	11.32	11.48		- 1			Ė					
	Technology	21.46	20.04	20.95										
<b>→</b>	Defensive	24.22	20.42	22.58					- 1					
=	Consumer Defensive	7.08	6.31	6.87										
+	Healthcare	14.43	11.27	12.97				[=						
•	Utilities	2.71	2.84	2.74										
					0%	5	10	15	20	25	30	35	40	45

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⇒ T. Rowe Price New Income Z	_	13.90	13.90	_	_
→ T. Rowe Price Ltd Dur Infl Focus Bd Z	_	12.33	26.23	_	_
	-	8.29	34.52	_	_
→ T. Rowe Price Value Z	-	7.92	42.45	_	_
→ T. Rowe Price Equity Index 500 Z	-	5.18	47.63	-	_
	_	5.01	52.64	_	_
→ T. Rowe Price Overseas Stock Z	-	4.15	56.79	_	_
→ T. Rowe Price Emerging Markets Bond Z	-	3.74	60.53	_	_
⊕ T. Rowe Price US Trs Long-Term ldx Z	-	3.63	64.16	_	_
⊕ T. Rowe Price Dynamic Global Bond Z	_	3.58	67.74	_	_

#### Total Holdings 31



## T. Rowe Price Retirement 2020 Advisor PARBX

**Morningstar Category** Target-Date 2020

Morningstar Index Morningstar Lifetime Mod 2020 TR USD

#### Portfolio Manager(s)

Wyatt Lee since 08-2015 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 9 of the 10 years it's

Management: The fund's management has been in place for 8.17 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 0.78 is 34.48% higher than the Target-Date 2020 category average.

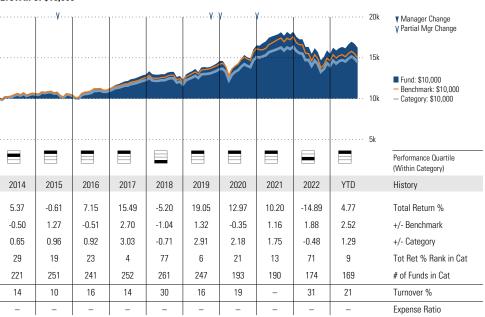
#### **Morningstar Investment Management LLC Analysis**

This fund fails our expense screen but its expenses are consistent with funds that have similar distribution fees.

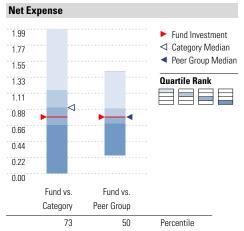
#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	08-31-2023
ESG Commitment	1-Low	02-15-2022

#### Growth of \$10,000







	130/176	19/39	Rank	
Peer gro	oup is a subset of t	he category and	d includes fun	ds with the
same m	anagement style (a	active vs. passiv	ve) and simila	r share class
charact	arietice			

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	2.25	_	1.10
Beta	0.93	_	0.88
R-Squared	97.73	_	97.66
Standard Deviation	10.77	11.49	10.24
Sharpe Ratio	0.09	-0.10	-0.02
Tracking Error	1.83	_	2.17
Information Ratio	1.25	_	0.58
Up Capture Ratio	98.45	_	91.07
Down Capture Ratio	84.22	_	84.06

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	18.47	17.60	18.43
Price/Book Ratio	2.65	2.43	2.67
Avg Eff Duration	6.28	-	5.99



## T. Rowe Price Retirement 2020 Advisor PARBX

Quality High

Mid

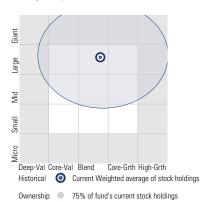
Low

#### **Morningstar Category** Target-Date 2020

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

#### Style Analysis as of 09-30-2023

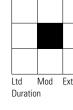
Morningstar Style Box™



## Style Breakdown

Equity 27 16 27 6 12 6



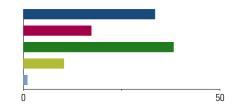


Fixed Income

Weight %

>50 25-50 10-25 0-10

#### Asset Allocation as of 09-30-2023





Sec	ctor Weighting as of 09-3	30-2023												
		Fund	Bmark	Cat	Fund	1	Bench	mark	Categ	jory Ave	rage			
<b>Դ</b>	Cyclical	33.59	37.33	34.97									•	
A.	Basic Materials	4.84	4.38	4.41										
Д	Consumer Cyclical	10.38	10.48	10.80										
<del>,</del>	Financial Services	14.49	14.15	14.61										
<b>fi</b>	Real Estate	3.88	8.32	5.15			7							
W	Sensitive	42.14	42.27	43.84										
d	Communication Services	6.13	6.38	6.45										
ð	Energy	3.92	4.56	4.63		<b>=</b> [								
Ф	Industrials	10.67	11.45	11.18					į					
	Technology	21.42	19.88	21.58										
<b>→</b>	Defensive	24.27	20.39	21.18										
Ħ	Consumer Defensive	7.08	6.32	6.45		Ŏ								
+	Healthcare	14.48	11.25	12.17										
•	Utilities	2.71	2.82	2.56		1								
					0%	5	10	15	20	25	30	35	40	45

A.I	M	0/ 11 . 1	0 1 :: 2/	\(TD D : 0/	
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
T. Rowe Price New Income Z	_	13.41	13.41	_	_
T. Rowe Price Ltd Dur Infl Focus Bd Z	-	10.41	23.82	_	_
T. Rowe Price Growth Stock Z	-	8.78	32.60	_	_
→ T. Rowe Price Value Z	-	8.54	41.15	_	_
T. Rowe Price Equity Index 500 Z	-	5.42	46.57	-	-
T. Rowe Price Intl Bd (USD Hdgd) Z	_	4.76	51.33	_	_
T. Rowe Price Overseas Stock Z	-	4.40	55.72	_	_
T. Rowe Price International Value Eq Z	-	3.82	59.54	_	_
T. Rowe Price International Stock Z	-	3.71	63.25	_	_
	_	3.62	66.87	_	_

#### Total Holdings 31



## T. Rowe Price Retirement 2025 Advisor PARJX

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

#### Portfolio Manager(s)

Wyatt Lee since 08-2015 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 10 of the 10 years it's been in existence

Management: The fund's management has been in place for 8.17 years.

× Net Expense: The fund's expense ratio of 0.79 is 31.67% higher than the Target-Date 2025 category average.

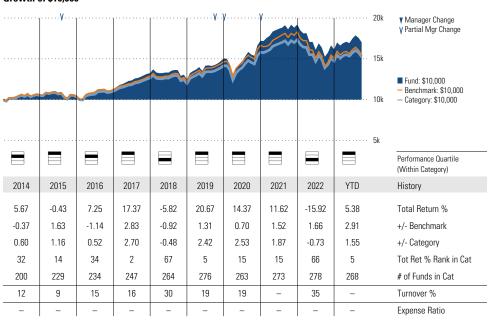
#### **Morningstar Investment Management LLC Analysis**

This fund fails our expense screen with fees that are higher than the broad category average. Plan costs are sometimes wrapped into fund fees, but because costs are predictive of a fund's future relative performance, we would still like to see lower overall expenses here.

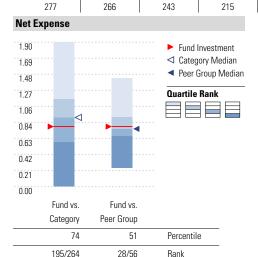
#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	08-31-2023
ESG Commitment	1-Low	02-15-2022
Carbon Risk Score	Low Risk	12-31-2021

#### Growth of \$10,000



#### **Trailing Performance Total Return %** as of 09-30-2023 Fund Benchmark Category Average annual, if greater than 1 year 3 Month 1 Year 10 year Since Inception 3 year 5 year -2.67 11.55 3.13 4.56 6.14 5.15 Fund Return % -4.03 9.56 0.62 3.24 4.99 6.05 Benchmark Return % 9 84 1.76 5 09 -3 25 3 50 Category Average % 17 14 6 5 6 % Rank in Category 123 # 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	2.47	_	1.05
Beta	0.94	_	0.87
R-Squared	97.79	-	97.96
Standard Deviation	11.83	12.44	10.95
Sharpe Ratio	0.15	-0.05	0.01
Tracking Error	1.91	_	2.37
Information Ratio	1.31	_	0.56
Up Capture Ratio	103.67	_	91.09
Down Capture Ratio	89.29	_	84.91

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	18.48	17.42	18.55
Price/Book Ratio	2.65	2.40	2.67
Avg Eff Duration	6.57	-	5.81



## T. Rowe Price Retirement 2025 Advisor PARJX

Quality

High

Mid

Low

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

#### Style Analysis as of 09-30-2023

Morningstar Style Box™



Fixed Income

Mod

Ltd Duration

## Style Breakdown

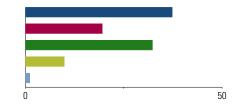
Equity 27 16 27 6 12 6



Value Blend Growth



#### Asset Allocation as of 09-30-2023



Total	100.00	100.00
Other	1.06	10.74
Cash	9.84	2.65
Bonds	32.28	42.50
Non-US Stocks	19.50	14.63
US Stocks	37.30	29.48
Asset Class	Net %	Cat%

	ctor Weighting as of 09-3				-				По					
		Fund	Bmark	Cat	Fund	'	Bench	mark	Categ	ory Ave	rage		,	
<u></u>	Cyclical	33.56	37.32	34.72										
A.	Basic Materials	4.82	4.48	4.27										
A	Consumer Cyclical	10.38	10.55	10.80										
<del>,</del>	Financial Services	14.51	14.30	14.40			,							
ŵ	Real Estate	3.85	7.99	5.25			•							_
W	Sensitive	42.15	42.26	43.89										
	Communication Services	6.13	6.35	6.55										
ð	Energy	3.92	4.59	4.57										
Ф	Industrials	10.67	11.58	10.93										
	Technology	21.43	19.74	21.84										
<b>→</b>	Defensive	24.28	20.43	21.39										
=	Consumer Defensive	7.10	6.35	6.51										
+	Healthcare	14.47	11.24	12.14										
•	Utilities	2.71	2.84	2.74		'								
					0%	5	10	15	20	25	30	35	40	45

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Secto
T. Rowe Price New Income Z	_	12.15	12.15	_	-
T. Rowe Price Growth Stock Z	-	9.88	22.04	_	_
T. Rowe Price Value Z	-	9.65	31.69	_	-
Ð T. Rowe Price Ltd Dur Infl Focus Bd Z	-	7.43	39.11	_	_
T. Rowe Price Equity Index 500 Z	-	6.14	45.25	-	-
T. Rowe Price Overseas Stock Z	_	4.97	50.22	_	_
T. Rowe Price International Value Eq Z	_	4.30	54.51	_	_
T. Rowe Price Intl Bd (USD Hdgd) Z	_	4.29	58.80	_	_
T. Rowe Price International Stock Z	_	4.26	63.06	-	_
T. Rowe Price US Large-Cap Core Z	_	3.86	66.93	_	_

#### Total Holdings 31



## T. Rowe Price Retirement 2030 Advisor PARCX

Growth of \$10,000

30

228

12

11

258

9

46

249

16

6

260

16

57

266

28

11

272

18

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

Tot Ret % Rank in Cat

# of Funds in Cat

Turnover %

Expense Ratio

#### Portfolio Manager(s)

Wyatt Lee since 08-2015 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 9 of the 10 years it's been in existence
- Management: The fund's management has been in place for 8.17 years.
- × *Net Expense:* The fund's expense ratio of 0.82 is 30.16% higher than the Target-Date 2030 category average.

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

This fund fails our expense screen with fees that are higher than the broad category average. Plan costs are sometimes wrapped into fund fees, but because costs are predictive of a fund's future relative performance, we would still like to see lower overall expenses here.

#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	08-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

#### ▼ Manager Change V Partial Mgr Change 20k Fund: \$10,000 - Benchmark: \$10,000 Category: \$10,000 Performance Quartile (Within Category) 2014 2015 2016 2017 2018 2019 2020 2021 2022 YTD History 5.83 -0.29 7.42 19.15 -6.53 22.22 15.61 13.26 -17.22 6.25 Total Return % -0.18 2.01 -1.84 2.56 -0.71 0.98 1.92 1.57 0.72 3 23 +/- Benchmark 0.79 1.50 -1.21 0.09 2.58 -0.28 2.15 2.62 1.58 1.57 +/- Category

12

260

17

16

263

29

85

267

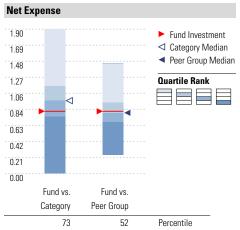
33

5

261

24





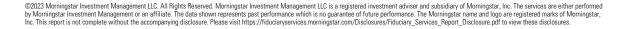
Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

30/59

Rank

3-Year KISK Wietrics			
	Fund	Bmark	Cat
Alpha	2.18	_	1.18
Beta	0.97	_	0.91
R-Squared	98.28	_	98.28
Standard Deviation	13.21	13.50	12.37
Sharpe Ratio	0.19	0.03	0.11
Tracking Error	1.78	_	2.14
Information Ratio	1.24	_	0.62
Up Capture Ratio	104.70	_	95.10
Down Capture Ratio	93.20	_	88.80

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	18.47	17.24	18.53
Price/Book Ratio	2.65	2.37	2.75
Avg Eff Duration	7.30	-	5.85





## T. Rowe Price Retirement 2030 Advisor PARCX

**Morningstar Category** Target-Date 2030

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

#### Style Analysis as of 09-30-2023

Morningstar Style Box™



## Style Breakdown

Equity 16 27

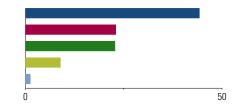


Value Blend Growth



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

#### Asset Allocation as of 09-30-2023



Asset Class Net % Cat% US Stocks 44.23 35.41 Non-US Stocks 22.95 18.47 Bonds 22.74 33.26 Cash 8.87 1.01 Other 1.20 11.85 100.00 100.00 Total

Sec	ctor Weighting as of 09-	30-2023												
		Fund	Bmark	Cat	Fund	١ '	Bench	mark	[] Categ	jory Ave	rage			
ሁ	Cyclical	33.55	37.24	33.74										
A.	Basic Materials	4.82	4.56	4.31										
A	Consumer Cyclical	10.39	10.64	11.15										
<del>,</del>	Financial Services	14.49	14.47	14.87										
<b>fi</b>	Real Estate	3.85	7.57	3.41		0	*							
W	Sensitive	42.17	42.30	44.59										Ü
	Communication Services	6.14	6.34	6.53										
•	Energy	3.92	4.63	4.59		<b>=</b> [								
Ф	Industrials	10.68	11.72	11.57					j					
	Technology	21.43	19.61	21.90										
<b>→</b>	Defensive	24.29	20.45	21.68										
Ħ	Consumer Defensive	7.10	6.37	6.62										
٠	Healthcare	14.49	11.23	12.39										
•	Utilities	2.70	2.85	2.67										
					0%	5	10	15	20	25	30	35	40	4

<b>Top 10 Holdings</b> as of 09-30-2023					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
	_	11.68	11.68	_	_
	-	11.35	23.03	_	-
⊕ T. Rowe Price New Income Z	-	9.90	32.93	_	-
	-	7.10	40.03	_	_
	-	5.87	45.91	-	_
	_	5.07	50.97	_	_
	-	4.99	55.97	_	_
⊕ T. Rowe Price US Large-Cap Core Z	-	4.58	60.54	_	-
⊕ T. Rowe Price US Trs Long-Term ldx Z	-	3.73	64.27	_	-
⊕ T. Rowe Price Intl Bd (USD Hdgd) Z	_	3.45	67.72	_	_

#### Total Holdings 31



## T. Rowe Price Retirement 2035 Advisor PARKX

**Morningstar Category** Target-Date 2035

Morningstar Index Morningstar Lifetime Mod 2035 TR USD

#### Portfolio Manager(s)

Wyatt Lee since 08-2015 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 9 of the 10 years it's

Management: The fund's management has been in place for 8.17 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 0.84 is 35.48% higher than the Target-Date 2035 category average.

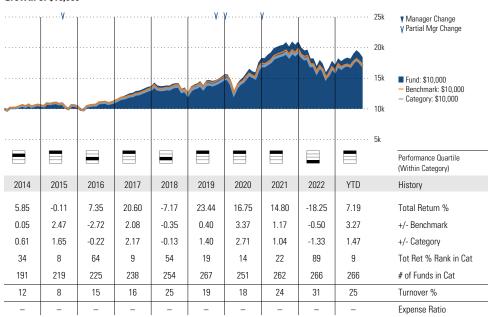
#### **Morningstar Investment Management LLC Analysis**

This fund fails our expense screen with fees that are higher than the broad category average. Plan costs are sometimes wrapped into fund fees, but because costs are predictive of a fund's future relative performance, we would still like to see lower overall expenses here.

#### **ESG Metrics**

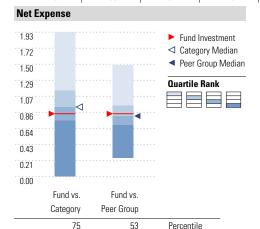
Metric	Rating	Updated
Sustainability Rating	3	08-31-2023
Carbon Risk Score	Low Risk	12-31-2022
FSG Commitment	1-l ow	02-15-2022

#### Growth of \$10,000



#### **Trailing Performance**





	197/263	29/56	Rank			
0 1	Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class					
same man	agement style (acti	ve vs. passive)	and similar share class			
characteri	etice					

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	1.40	-	0.97
Beta	0.98	-	0.94
R-Squared	98.63	-	98.48
Standard Deviation	14.49	14.62	13.83
Sharpe Ratio	0.23	0.14	0.20
Tracking Error	1.71	-	2.06
Information Ratio	0.82	-	0.51
Up Capture Ratio	103.38	_	97.43
Down Capture Ratio	96.74	-	92.79

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	18.48	17.07	18.50
Price/Book Ratio	2.65	2.34	2.71
Avg Eff Duration	8.10	_	6.11



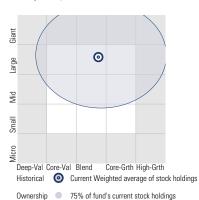
## T. Rowe Price Retirement 2035 Advisor PARKX

**Morningstar Category** Target-Date 2035

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

#### Style Analysis as of 09-30-2023

Morningstar Style Box™



## Style Breakdown

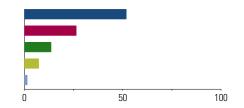
Lquity			
16	27	27	Large
6	12	6	Mid
2	3	2	Small

Value Blend Growth



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

#### Asset Allocation as of 09-30-2023



Asset Class Net % Cat% US Stocks 42.75 51.76 Non-US Stocks 26.27 21.09 Bonds 13.47 22.52 Cash 7.16 1.63 Other 1.33 12.02 100.00 100.00 Total

Sec	ctor Weighting as of 09-3	30-2023												
		Fund	Bmark	Cat	Fund	i '	Bench	mark	Categ	jory Ave	rage		,	
<u></u>	Cyclical	33.53	37.16	33.85										
A.	Basic Materials	4.81	4.67	4.29										
A	Consumer Cyclical	10.40	10.73	11.02				į						
<b>P</b>	Financial Services	14.46	14.64	14.63										
侖	Real Estate	3.86	7.12	3.91			*							
W	Sensitive	42.23	42.35	44.61										
d	Communication Services	6.16	6.32	6.65										
0	Energy	3.95	4.67	4.60		<b>•</b> [								
Ф	Industrials	10.64	11.86	11.21										
	Technology	21.48	19.50	22.15					<u> </u>					
<b>→</b>	Defensive	24.25	20.48	21.55										
Ħ	Consumer Defensive	7.09	6.41	6.53		Ŏ								
٠	Healthcare	14.47	11.21	12.34										
•	Utilities	2.69	2.86	2.68										
					0%	5	10	15	20	25	30	35	40	4

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
→ T. Rowe Price Growth Stock Z	_	13.50	13.50	_	_
→ T. Rowe Price Value Z	_	12.95	26.44	_	_
T. Rowe Price Equity Index 500 Z	_	8.45	34.90	_	_
T. Rowe Price Overseas Stock Z	_	6.77	41.66	_	_
€ T. Rowe Price New Income Z	-	6.74	48.40	-	-
∃ T. Rowe Price International Value Eq Z	_	5.83	54.23	_	_
T. Rowe Price International Stock Z	_	5.64	59.88	_	_
⊕ T. Rowe Price US Large-Cap Core Z	_	5.32	65.19	_	_
T. Rowe Price Real Assets Z	_	3.94	69.13	_	_
T. Rowe Price Mid-Cap Growth Z	_	3.22	72.35	_	_

#### Total Holdings 31



## T. Rowe Price Retirement 2040 Advisor PARDX

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

#### Portfolio Manager(s)

Wyatt Lee since 08-2015 Kimberly DeDominicis since 10-2019 Andrew Jacobs van Merlen since 01-2020

#### **Quantitative Screens**

- Q Performance: The fund has finished in the Target-Date
   2040 category's top three quartiles in 9 of the 10 years it's
   been in existence.
- Management: The fund's management has been in place for 8.17 years.
- × *Net Expense:* The fund's expense ratio of 0.85 is 28.79% higher than the Target-Date 2040 category average.

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

This fund fails our expense screen with fees that are higher than the broad category average. Plan costs are sometimes wrapped into fund fees, but because costs are predictive of a fund's future relative performance, we would still like to see lower overall expenses here.

#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	08-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

#### Growth of \$10,000 ▼ Manager Change V Partial Mgr Change 20k Fund: \$10,000 Benchmark: \$10,000 - Category: \$10,000 Performance Quartile (Within Category) 2014 2015 2016 2017 2018 2019 2020 2021 2022 YTD History 5.88 -0.04 7.34 21.68 -7.50 24.36 17.79 16.06 -19.07 8.21 Total Return % 2.79 0.37 -3.27 1.81 0.15 0.01 4.70 0.71 -1.70 3.30 +/- Benchmark 0.63 1.95 0.24 -1.75 -0.61 2.16 1.17 3.23 0.59 1.62 +/- Category 36 7 64 8 43 29 14 35 94 13 Tot Ret % Rank in Cat 230 260 251 268 264 249 # of Funds in Cat 262 273 254 260

16

22

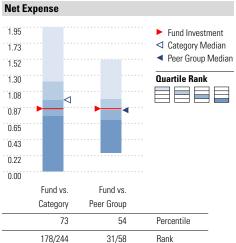
28

24

Turnover %

Expense Ratio





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

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	0.62	_	0.45
Beta	0.99	_	0.95
R-Squared	98.67	_	98.40
Standard Deviation	15.55	15.62	14.97
Sharpe Ratio	0.27	0.23	0.25
Tracking Error	1.80	_	2.19
Information Ratio	0.33	_	0.20
Up Capture Ratio	101.54	_	97.38
Down Capture Ratio	98.97	_	95.57

Portfolio Metrics								
	Fund	Bmark	Cat					
Price/Earnings Ratio	18.48	16.90	18.51					
Price/Book Ratio	2.65	2.31	2.74					
Avg Eff Duration	8.35	-	6.11					



13

8

15

18

23

18



## T. Rowe Price Retirement 2040 Advisor PARDX

Quality High

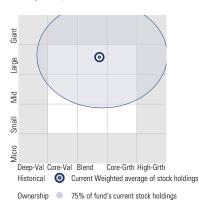
Mid

**Morningstar Category** Target-Date 2040

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

#### Style Analysis as of 09-30-2023

Morningstar Style Box™



## Style Breakdown

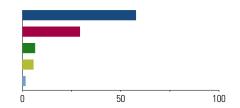
Weight %

Equity				rixeu II	icome	
16	27	27	Large			
6	12	6	Mid			
2	3	2	Small			
Value	Blend	Growth		Ltd Duratio	Mod	Ext

Eivad Incomo

>50 25-50 10-25 0-10

#### Asset Allocation as of 09-30-2023



Total	100.00	100.00
Other	1.45	12.62
Cash	5.49	1.13
Bonds	6.30	12.60
Non-US Stocks	29.13	24.30
US Stocks	57.64	49.37
Asset Class	Net %	Cat%

		Fund	Bmark	Cat	Fund	١ ١	Bench	mark	Categ	ory Ave	rage			
Դ	Cyclical	33.53	37.16	33.71										
A	Basic Materials	4.82	4.77	4.27										
<b>A</b>	Consumer Cyclical	10.39	10.81	11.12				1						
÷	Financial Services	14.44	14.80	14.67										
<b>fi</b>	Real Estate	3.88	6.78	3.65										_
W	Sensitive	42.22	42.35	44.68										
	Communication Services	6.16	6.30	6.55										
ð	Energy	3.94	4.70	4.62										
Ф	Industrials	10.63	11.99	11.42										
	Technology	21.49	19.36	22.09										
<b>→</b>	Defensive	24.24	20.50	21.62										
=	Consumer Defensive	7.09	6.44	6.47										
+	Healthcare	14.46	11.19	12.51				<b>)</b>						
•	Utilities	2.69	2.87	2.64		<b>'</b>								
					0%	5	10	15	20	25	30	35	40	4

<b>Top 10 Holdings</b> as of 09-30-2023					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⇒ T. Rowe Price Growth Stock Z	-	14.98	14.98	_	_
	-	14.30	29.28	_	_
	-	9.27	38.55	_	_
	-	7.48	46.03	_	_
	-	6.47	52.49	_	-
	_	6.26	58.75	_	_
⊕ T. Rowe Price US Large-Cap Core Z	-	5.93	64.68	_	_
⊕ T. Rowe Price Real Assets Z	-	4.41	69.09	_	_
	-	3.58	72.66	_	_
	_	3.26	75.92	_	_

#### Total Holdings 31



## T. Rowe Price Retirement 2045 Advisor PARLX

**Morningstar Category** Target-Date 2045

Morningstar Index Morningstar Lifetime Mod 2045 TR USD

#### Portfolio Manager(s)

Wyatt Lee since 08-2015 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 9 of the 10 years it's
- Management: The fund's management has been in place for 8.17 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 0.87 is 35.94% higher than the Target-Date 2045 category average.

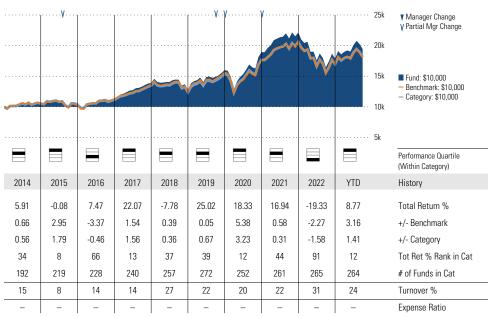
#### **Morningstar Investment Management LLC Analysis**

This fund fails our expense screen with fees that are higher than the broad category average. Plan costs are sometimes wrapped into fund fees, but because costs are predictive of a fund's future relative performance, we would still like to see lower overall expenses here.

#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	08-31-2023
Carbon Risk Score	Low Risk	12-31-2022
FSG Commitment	1-Low	02-15-2022

## Growth of \$10,000



## **Trailing Performance**



3-Vear Risk Metrics

Net Exp	oense		
1.94 1.72 1.51 1.29 1.08 0.86 0.65 0.43 0.22			► Fund Investment  Category Median Peer Group Mediar Quartile Rank
0.00	Fund vs. Category	Fund vs. Peer Group	
	75	59	Percentile

197/261	32/55	Rank				
Peer group is a subset of the category and includes funds with the						
same management style (active vs. passive) and similar share class						
characteristics						

J-1 Cut Hisk Wichies			
	Fund	Bmark	Cat
Alpha	0.24	_	0.10
Beta	0.98	_	0.96
R-Squared	98.63	_	98.38
Standard Deviation	16.14	16.29	15.81
Sharpe Ratio	0.30	0.29	0.28
Tracking Error	1.91	_	2.19
Information Ratio	0.08	_	0.01
Up Capture Ratio	100.35	_	98.04
Down Capture Ratio	99.69	_	97.98

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	18.50	16.76	18.33
Price/Book Ratio	2.66	2.28	2.67
Avg Eff Duration	8.94	-	6.74



## T. Rowe Price Retirement 2045 Advisor PARLX

Quality High Μid Low

**Morningstar Category** Target-Date 2045

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

## Style Analysis as of 09-30-2023

Morningstar Style Box™



## Style Breakdown

Fauity

Lquity				I IXGU II	ICUITIC	
16	27	27	Large			
6	12	6	Mid			
2	3	2	Small			
Value	Blend	Growth		Ltd	Mod	Ext

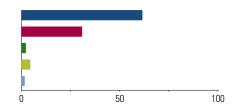
Fixed Income

Duration

Weight %

>50 25-50 10-25 0-10

#### Asset Allocation as of 09-30-2023



Total	100.00	100.00
Other	1.51	10.87
Cash	4.34	1.22
Bonds	2.07	7.95
Non-US Stocks	30.72	27.21
US Stocks	61.36	52.76
Asset Class	Net %	Cat%

	ctor Weighting as of 09-3		Б	0 .	-				По.					
		Fund	Bmark	Cat	Fund	i '	Bench	mark	Categ	ory Ave	rage		,	
	Cyclical	33.50	37.25	34.09										
A	Basic Materials	4.82	4.86	4.37		<b>=</b> ()	_							
A	Consumer Cyclical	10.40	10.86	11.06										
<b>P</b>	Financial Services	14.41	14.93	14.62										
命	Real Estate	3.87	6.60	4.04		<b>[</b> ]								_
W	Sensitive	42.28	42.27	44.41										
	Communication Services	6.17	6.27	6.61										
•	Energy	3.93	4.71	4.60										
Ф	Industrials	10.63	12.09	11.27			[							
	Technology	21.55	19.20	21.93										
<b>→</b>	Defensive	24.22	20.46	21.49										
Ħ	Consumer Defensive	7.08	6.45	6.51			ı							
+	Healthcare	14.46	11.14	12.37										
•	Utilities	2.68	2.87	2.61										
					0%	5	10	15	20	25	30	35	40	4

<b>Top 10 Holdings</b> as of 09-30-2023					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
T. Rowe Price Growth Stock Z	-	15.87	15.87	_	_
T. Rowe Price Value Z	-	14.99	30.86	_	-
T. Rowe Price Equity Index 500 Z	-	10.06	40.92	_	-
T. Rowe Price Overseas Stock Z	-	7.92	48.84	_	-
⇒ T. Rowe Price International Value Eq Z	_	6.83	55.67	_	_
∃ T. Rowe Price International Stock Z	_	6.60	62.27	_	_
⊕ T. Rowe Price US Large-Cap Core Z	-	6.30	68.57	_	-
→ T. Rowe Price Real Assets Z	-	4.67	73.24	_	-
→ T. Rowe Price Mid-Cap Growth Z	_	3.78	77.02	_	_
T. Rowe Price Mid-Cap Value Z	_	3.40	80.42	_	_

#### Total Holdings 28



## T. Rowe Price Retirement 2050 Advisor PARFX

**Morningstar Category** Target-Date 2050

Morningstar Index Morningstar Lifetime Mod 2050 TR USD

#### Portfolio Manager(s)

Wyatt Lee since 08-2015 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 9 of the 10 years it's
- Management: The fund's management has been in place for 8.17 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 0.88 is 33.33% higher than the Target-Date 2050 category average.

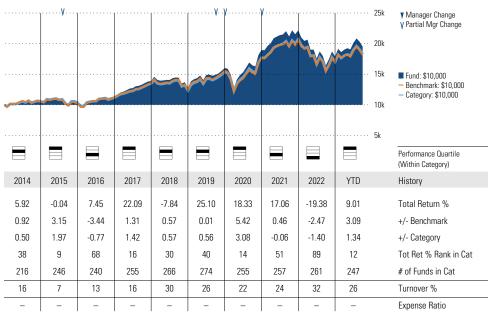
#### **Morningstar Investment Management LLC Analysis**

This fund fails our expense screen with fees that are higher than the broad category average. Plan costs are sometimes wrapped into fund fees, but because costs are predictive of a fund's future relative performance, we would still like to see lower overall expenses here.

#### **ESG Metrics**

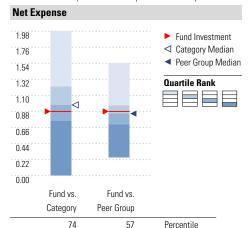
Metric	Rating	Updated
Sustainability Rating	3	08-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

## Growth of \$10,000



#### **Trailing Performance**





	178/241	32/57	Rank			
Peer group is a subset of the category and includes funds with the						
same management style (active vs. passive) and similar share class						
characte	rictice					

2-1 cai mor memos			
	Fund	Bmark	Cat
Alpha	0.02	_	-0.06
Beta	0.98	_	0.97
R-Squared	98.54	_	98.24
Standard Deviation	16.29	16.58	16.20
Sharpe Ratio	0.30	0.31	0.29
Tracking Error	2.01	_	2.24
Information Ratio	-0.06	_	-0.09
Up Capture Ratio	99.18	_	98.54
Down Capture Ratio	99.55	_	99.27

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	18.50	16.63	18.33
Price/Book Ratio	2.66	2.25	2.67
Avg Eff Duration	7.95	-	6.59



## T. Rowe Price Retirement 2050 Advisor PARFX

**Morningstar Category** Target-Date 2050

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

#### Style Analysis as of 09-30-2023

Morningstar Style Box™



## Style Breakdown

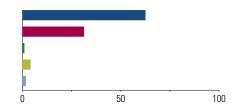
Lquity							
16	27	27	Large				
6	12	6	Mid				
2	3	2	Small				
Value	Blend	Growth					



Weight %

>50 25-50 10-25 0-10

#### Asset Allocation as of 09-30-2023



Total	100.00	100.00
Other	1.53	9.76
Cash	4.00	1.16
Bonds	0.80	5.60
Non-US Stocks	31.20	28.24
US Stocks	62.46	55.24
Asset Class	Net %	Cat%

Sec	ctor Weighting as of 09-3	30-2023												
		Fund	Bmark	Cat	Func	۱ ۱	Benchr	mark	Cate	jory Ave	rage			
<b>Դ</b>	Cyclical	33.51	37.47	34.36										
A.	Basic Materials	4.83	4.94	4.34										
<b>A</b>	Consumer Cyclical	10.39	10.91	11.07				į						
ø	Financial Services	14.41	15.04	14.63										
fil.	Real Estate	3.88	6.58	4.32		<b>=</b> []								
W#	Sensitive	42.27	42.13	44.29										[
	Communication Services	6.16	6.23	6.57										
ð	Energy	3.94	4.73	4.55		<b>[</b>								
Ф	Industrials	10.63	12.17	11.35										
	Technology	21.54	19.00	21.82										
<b>→</b>	Defensive	24.23	20.40	21.36										
=	Consumer Defensive	7.08	6.46	6.47										
+	Healthcare	14.47	11.08	12.32										
•	Utilities	2.68	2.86	2.57		'								
					0%	5	10	15	20	25	30	35	40	45

••					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
	_	16.12	16.12	_	_
	-	15.22	31.35	_	_
	-	10.18	41.53	_	-
	-	8.06	49.59	_	_
	-	6.95	56.54	-	-
	_	6.69	63.24	_	_
⊕ T. Rowe Price US Large-Cap Core Z	-	6.40	69.64	_	_
⊕ T. Rowe Price Real Assets Z	-	4.78	74.42	_	_
⊕ T. Rowe Price Mid-Cap Growth Z	-	3.84	78.26	_	_
	_	3.45	81.71	_	_

#### Total Holdings 28



## T. Rowe Price Retirement 2055 Advisor PAROX

**Morningstar Category** Target-Date 2055

Morningstar Index Morningstar Lifetime Mod 2055 TR USD

#### Portfolio Manager(s)

Wyatt Lee since 08-2015 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 9 of the 10 years it's
- Management: The fund's management has been in place for 8.17 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 0.89 is 39.06% higher than the Target-Date 2055 category average.

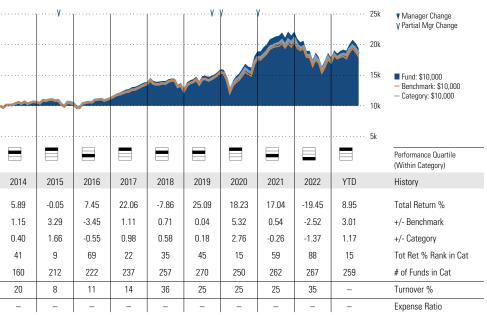
#### **Morningstar Investment Management LLC Analysis**

This fund fails our expense screen with fees that are higher than the broad category average. Plan costs are sometimes wrapped into fund fees, but because costs are predictive of a fund's future relative performance, we would still like to see lower overall expenses here.

#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	08-31-2023
Carbon Risk Score	Low Risk	12-31-2022
FSG Commitment	1-l ow	02-15-2022

#### Growth of \$10,000



# **Trailing Performance**



3-Vear Risk Metrics

Net Exp	ense		
1.96			Fund Investment
1.74			
1.52			<ul> <li>Peer Group Mediar</li> </ul>
1.31			Quartile Rank
1.09			
0.87	<u></u>	····•	
0.65			
0.44			
0.22			
0.00			
	Fund vs.	Fund vs.	
	Category	Peer Group	
	75	63	Percentile

	195/258	34/55	Rank	
0	oup is a subset of t	0 ,		
same n	nanagement style (	active vs. passi	ve) and simila	r share class
charact	arietice			

o rour mon monios			
	Fund	Bmark	Cat
Alpha	-0.02	_	0.03
Beta	0.97	_	0.97
R-Squared	98.51	_	98.19
Standard Deviation	16.32	16.66	16.37
Sharpe Ratio	0.30	0.31	0.30
Tracking Error	2.04	_	2.24
Information Ratio	-0.09	_	-0.04
Up Capture Ratio	99.01	_	99.47
Down Capture Ratio	99.58	_	99.88

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	18.49	16.51	18.11
Price/Book Ratio	2.66	2.22	2.65
Avg Eff Duration	7.82	_	7.49



## T. Rowe Price Retirement 2055 Advisor PAROX

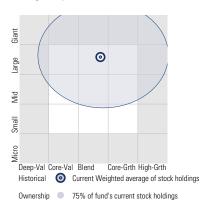
Quality High Mid Low

**Morningstar Category** Target-Date 2055

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

#### Style Analysis as of 09-30-2023

Morningstar Style Box™



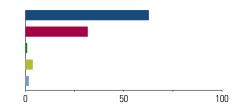
## Style Breakdown

Equity				Fixed	Income
16	27	27	Large		
6	12	6	Mid		
2	3	2	Small		
Value	Blend	Growth		Ltd	Mod

Duration

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

#### Asset Allocation as of 09-30-2023



Total	100.00	100.00
Other	1.54	10.20
Cash	3.57	1.06
Bonds	0.73	5.90
Non-US Stocks	31.54	28.85
US Stocks	62.63	54.00
Asset Class	Net %	Cat%

	ctor Weighting as of 09-3								По					
		Fund	Bmark	Cat	Fund	'	Benchi	mark	Categ	jory Ave	erage		,	
<u></u>	Cyclical	33.54	37.74	34.34										
ė.	Basic Materials	4.83	5.02	4.49										
<b>4</b>	Consumer Cyclical	10.40	10.93	11.13										
₽	Financial Services	14.43	15.13	14.92			•							
ŧ	Real Estate	3.88	6.66	3.80		<b>[</b> ] '								_
M	Sensitive	42.25	41.95	44.61										
	Communication Services	6.17	6.19	6.64										
•	Energy	3.94	4.74	4.72										
¢	Industrials	10.63	12.23	11.36			<u> </u>							
	Technology	21.51	18.79	21.89										
<b>→</b>	Defensive	24.23	20.31	21.05										
=	Consumer Defensive	7.09	6.45	6.40										
٠	Healthcare	14.46	11.00	12.12										
•	Utilities	2.68	2.86	2.53		'								
_					0%	5	10	15	20	25	30	35	40	45

<b>Top 10 Holdings</b> as of 09-30-2023					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⇒ T. Rowe Price Growth Stock Z	-	16.23	16.23	_	_
→ T. Rowe Price Value Z	-	15.48	31.71	_	-
→ T. Rowe Price Equity Index 500 Z	-	10.24	41.95	_	-
→ T. Rowe Price Overseas Stock Z	-	8.10	50.05	_	-
⇒ T. Rowe Price International Value Eq Z	-	6.98	57.04	_	-
T. Rowe Price International Stock Z	_	6.84	63.88	_	_
⊕ T. Rowe Price US Large-Cap Core Z	-	6.42	70.30	_	_
⊕ T. Rowe Price Real Assets Z	-	4.81	75.11	_	_
⊕ T. Rowe Price Mid-Cap Growth Z	-	3.86	78.97	_	_
→ T. Rowe Price Mid-Cap Value Z	_	3.50	82.47	_	_

#### Total Holdings 28



## T. Rowe Price Retirement 2060 Advisor TRRYX

#### Morningstar Category Target-Date 2060

#### Morningstar Index

Morningstar Mod Tgt Risk TR USD

#### Portfolio Manager(s)

Wyatt Lee since 08-2015
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 8 of the 9 years it's been in existence
- Management: The fund's management has been in place for 8.17 years.
- × *Net Expense:* The fund's expense ratio of 0.89 is 32.84% higher than the Target-Date 2060 category average.

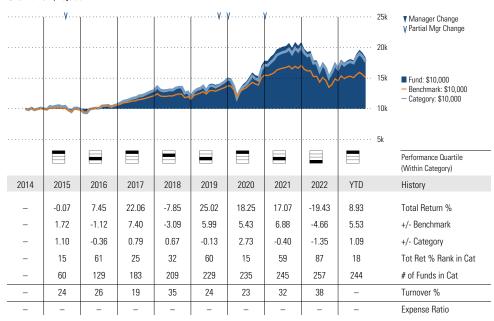
#### **Morningstar Investment Management LLC Analysis**

This fund fails our expense screen with fees that are higher than the broad category average. Plan costs are sometimes wrapped into fund fees, but because costs are predictive of a fund's future relative performance, we would still like to see lower overall expenses here.

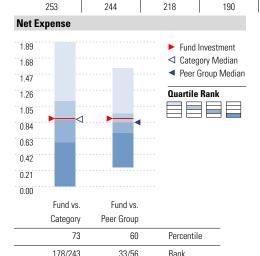
#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	08-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

#### Growth of \$10,000



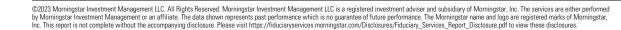
#### **Trailing Performance Total Return %** as of 09-30-2023 Fund Benchmark 10 Category Average annual, if greater than 1 year 3 Month 1 Year 10 year Since Inception 3 year 5 year Fund Return % -3.19 18.52 5.79 6.14 6.77 5.24 -3.29 11.43 2.30 3.98 5.88 Benchmark Return % -3.78 17 81 6.03 5 71 6.87 Category Average % 14 40 66 23 % 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 KISK Wietrics			
	Fund	Bmark	Cat
Alpha	3.01	-	3.10
Beta	1.31	-	1.32
R-Squared	96.96	-	97.20
Standard Deviation	16.33	12.30	16.42
Sharpe Ratio	0.30	0.08	0.30
Tracking Error	4.73	-	4.78
Information Ratio	0.74	-	0.75
Up Capture Ratio	143.25	-	144.61
Down Capture Ratio	126.85	-	127.71

Fund	Bmark	Cat
18.49	16.40	18.07
2.66	2.18	2.61
7.68	-	6.43
	18.49	18.49 16.40 2.66 2.18





# of Funds in Category

## T. Rowe Price Retirement 2060 Advisor TRRYX

Quality High Mid Low

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

**Morningstar Index** Morningstar Mod Tgt Risk TR USD

Style Analysis as of 09-30-2023

Morningstar Style Box™



## Style Breakdown

Equity				rixeu II	icome
16	27	27	Large		
6	12	6	Mid		
2	3	2	Small		
Value	Blend	Growth		Itd	Mod

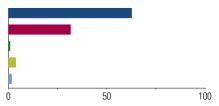
Duration

Weight %

>50 25-50 10-25 0-10



Asset Allocation as of 09-30-2023



Total	100 00	100 00
Other	1.54	14.90
Cash	3.60	1.28
Bonds	0.73	5.12
Non-US Stocks	31.52	30.80
US Stocks	62.62	47.90
Asset Class	Net %	Cat%

		Fund	Bmark	Cat	Fund	ı t	Bench	mark	Categ	ory Ave	rage			
Դ	Cyclical	33.51	38.65	34.70									-	
A.	Basic Materials	4.82	5.23	4.77										
<b>A</b>	Consumer Cyclical	10.39	10.91	11.06										
ê	Financial Services	14.42	15.73	14.57										
t	Real Estate	3.88	6.78	4.30		<b>=</b> [								
W	Sensitive	42.25	39.63	43.85										
	Communication Services	6.16	6.14	6.47										
ð	Energy	3.94	5.13	4.68		<b>[</b>								
Ф	Industrials	10.64	12.21	11.72				· .						
	Technology	21.51	16.15	20.98										
<b>→</b>	Defensive	24.24	21.71	21.45										
=	Consumer Defensive	7.09	6.83	6.53		<u> </u>								
+	Healthcare	14.46	11.65	12.49				<b>]</b>						
•	Utilities	2.69	3.23	2.43		'								
					0%	5	10	15	20	25	30	35	40	45

<b>Top 10 Holdings</b> as of 09-30-2023					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
	-	16.23	16.23	_	_
⊕ T. Rowe Price Value Z	-	15.50	31.73	_	_
⊕ T. Rowe Price Equity Index 500 Z	-	10.25	41.97	_	_
⊕ T. Rowe Price Overseas Stock Z	-	8.10	50.07	_	_
⊕ T. Rowe Price International Value Eq Z	-	6.98	57.06	_	-
⊕ T. Rowe Price International Stock Z	_	6.84	63.90	_	_
⊕ T. Rowe Price US Large-Cap Core Z	-	6.42	70.31	_	_
⊕ T. Rowe Price Real Assets Z	-	4.82	75.13	_	_
⊕ T. Rowe Price Mid-Cap Growth Z	_	3.87	79.00	_	_
⊕ T. Rowe Price Mid-Cap Value Z	_	3.52	82.51	_	_

#### Total Holdings 28

