

American Funds 2010 Trgt Date Retire R6 RFTTX

Morningstar Category
Target-Date 2000-2010

Morningstar Index
Morningstar Lifetime Mod 2010 TR USD

Portfolio Manager(s)

Bradley Vogt since 01-2012
Wesley Phoa since 01-2012
David Hoag since 01-2020
Michelle Black since 01-2020
Samir Mathur since 01-2020
Shannon Ward since 01-2021
Jessica Spaly since 01-2023

Quantitative Screens

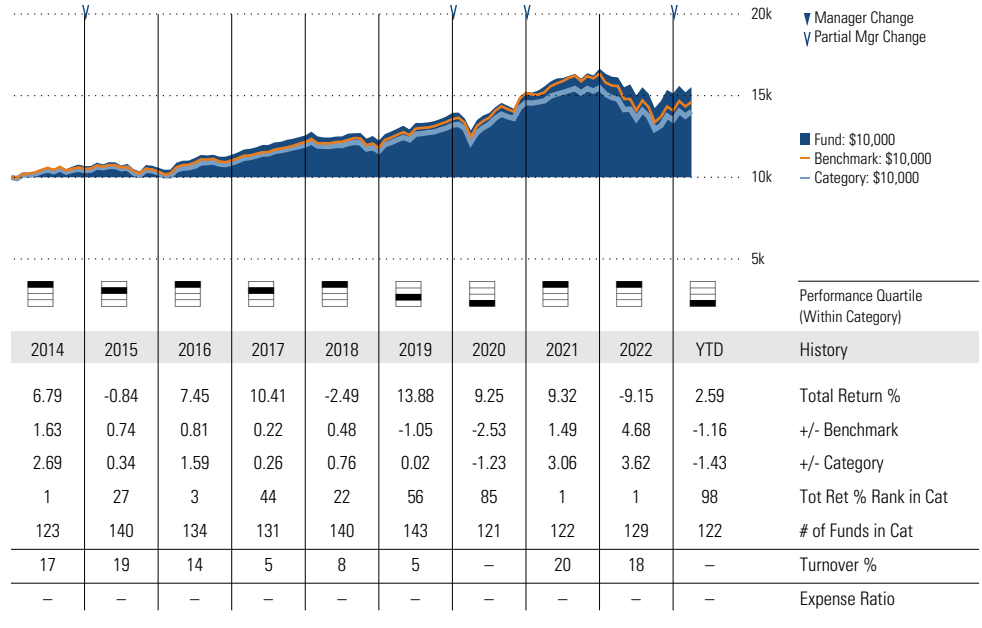
✔ **Performance:** The fund has finished in the Target-Date 2000-2010 category's top three quartiles in 9 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 11.25 years.

✔ **Style:** The fund has landed in its primary style box — Large Value — 80 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.28 is 48.15% lower than the Target-Date 2000-2010 category average.

Growth of \$10,000



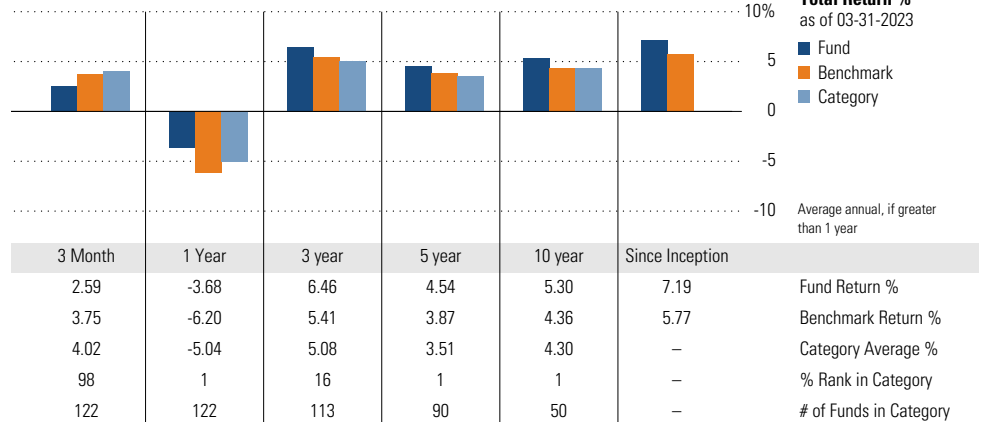
Morningstar Investment Management LLC Analysis

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.

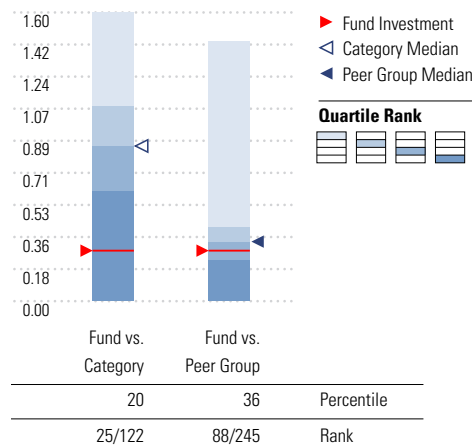
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	1	03-31-2023

Trailing Performance



Net Expense



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	1.61	-	0.18
Beta	0.88	-	0.88
R-Squared	96.47	-	96.84
Standard Deviation	8.94	10.00	8.93
Sharpe Ratio	0.61	0.46	0.45
Tracking Error	2.08	-	2.04
Information Ratio	0.51	-	-0.07
Up Capture Ratio	92.49	-	87.85
Down Capture Ratio	80.65	-	86.23

Portfolio Metrics

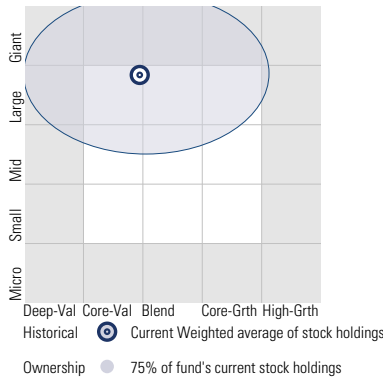
	Fund	Bmark	Cat
Price/Earnings Ratio	15.75	16.54	16.30
Price/Book Ratio	2.68	2.40	2.47
Avg Eff Duration	4.83	-	5.88

American Funds 2010 Trgt Date Retire R6 RFTTX

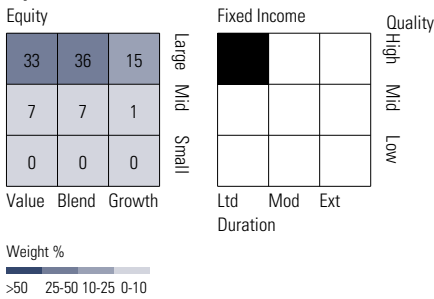
Morningstar Category
Target-Date 2000-2010

Morningstar Index
Morningstar Lifetime Mod 2010 TR USD

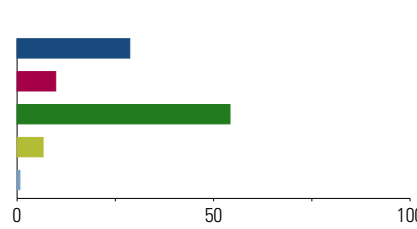
Style Analysis as of 03-31-2023
Morningstar Style Box™



Style Breakdown

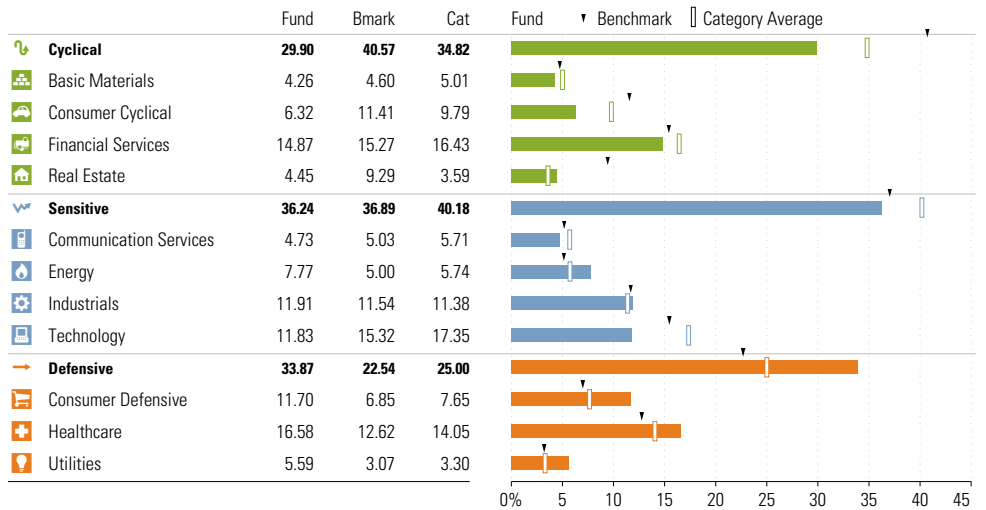


Asset Allocation as of 03-31-2023



Asset Class	Net %	Cat%
US Stocks	28.67	21.91
Non-US Stocks	9.83	12.77
Bonds	54.17	57.14
Cash	6.61	6.02
Other	0.72	2.18
Total	100.00	100.00

Sector Weighting as of 03-31-2023



Top 10 Holdings as of 03-31-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ American Funds Income Fund of Amer R6	—	16.18	16.18	—	—
⊕ American Funds Interm Bd Fd of Amer R6	—	10.27	26.45	—	—
⊕ American Funds Bond Fund of Amer R6	—	9.67	36.12	—	—
⊖ American Funds Inflation Linked Bd R6	—	7.33	43.45	—	—
⊖ American Funds American Balanced R6	—	7.02	50.47	—	—
⊕ American Funds ST Bd Fd of Amer R6	—	6.93	57.39	—	—
⊕ American Funds Mortgage R6	—	6.67	64.06	—	—
⊕ American Funds Capital Income Bldr R6	—	6.64	70.70	—	—
⊕ American Funds American Mutual R6	—	5.36	76.06	—	—
⊖ American Funds Strategic Bond R-6	—	4.01	80.07	—	—

Total Holdings 19

⊕ Increase ⊖ Decrease ✨ New to Portfolio

American Funds 2015 Trgt Date Retire R6 RFJTX

Morningstar Category
Target-Date 2015

Morningstar Index
Morningstar Lifetime Mod 2015 TR USD

Portfolio Manager(s)

Bradley Vogt since 01-2012
Wesley Phoa since 01-2012
Samir Mathur since 01-2020
David Hoag since 01-2020
Michelle Black since 01-2020
Shannon Ward since 01-2021
Jessica Spaly since 01-2023

Quantitative Screens

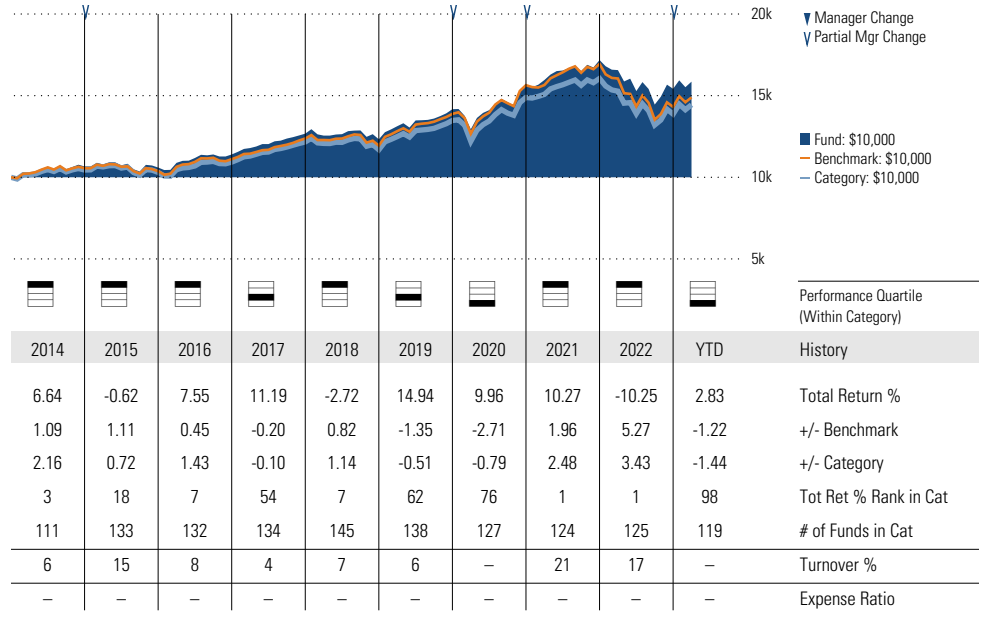
✔ **Performance:** The fund has finished in the Target-Date 2015 category's top three quartiles in 9 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 11.25 years.

✘ **Style:** The fund has landed in its primary style box — Large Value — 60 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.3 is 49.15% lower than the Target-Date 2015 category average.

Growth of \$10,000



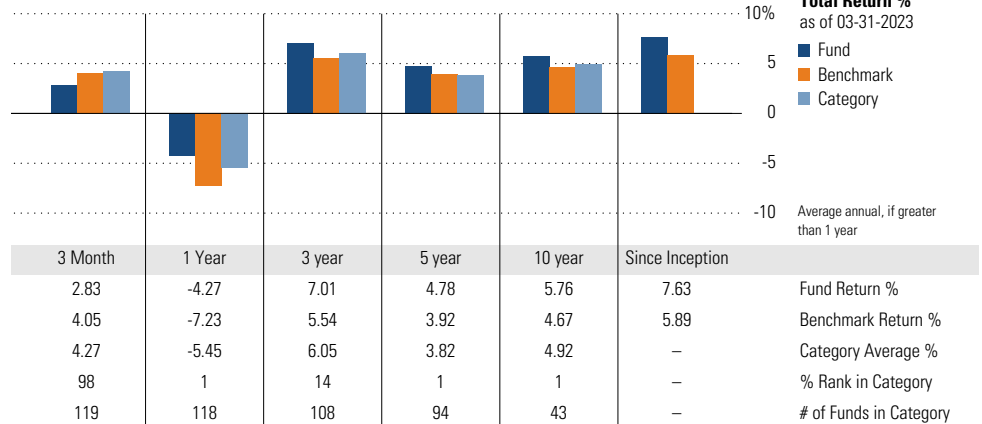
Morningstar Investment Management LLC Analysis

This fund fails our current style screen. Because this is a target-date fund, this screen failure does not concern us and we are still comfortable using this fund.

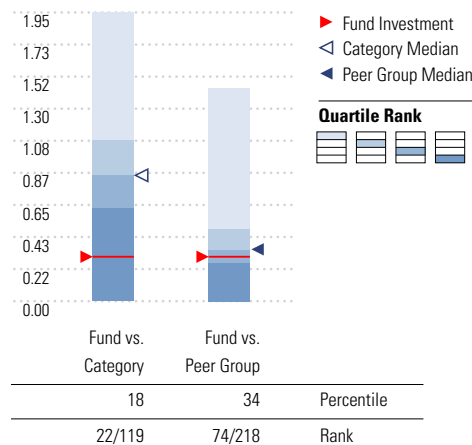
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	1	03-31-2023

Trailing Performance



Net Expense



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

Metric	Fund	Bmark	Cat
Alpha	2.05	-	0.99
Beta	0.87	-	0.91
R-Squared	96.41	-	97.50
Standard Deviation	9.72	11.00	10.10
Sharpe Ratio	0.62	0.44	0.52
Tracking Error	2.35	-	1.95
Information Ratio	0.63	-	0.34
Up Capture Ratio	93.03	-	93.43
Down Capture Ratio	79.55	-	86.80

Portfolio Metrics

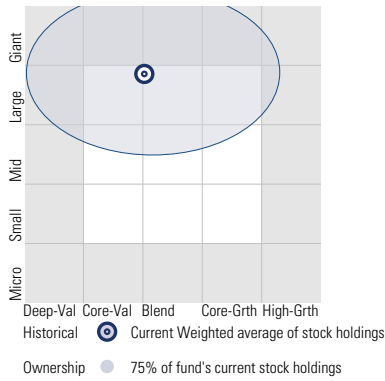
Metric	Fund	Bmark	Cat
Price/Earnings Ratio	15.98	16.38	16.23
Price/Book Ratio	2.73	2.37	2.46
Avg Eff Duration	5.04	-	5.69

American Funds 2015 Trgt Date Retire R6 RFJTX

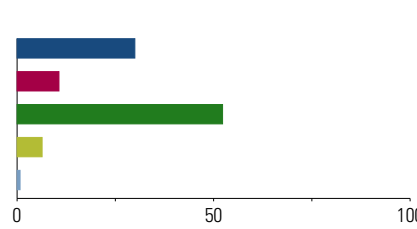
Morningstar Category
Target-Date 2015

Morningstar Index
Morningstar Lifetime Mod 2015 TR USD

Style Analysis as of 03-31-2023
Morningstar Style Box™

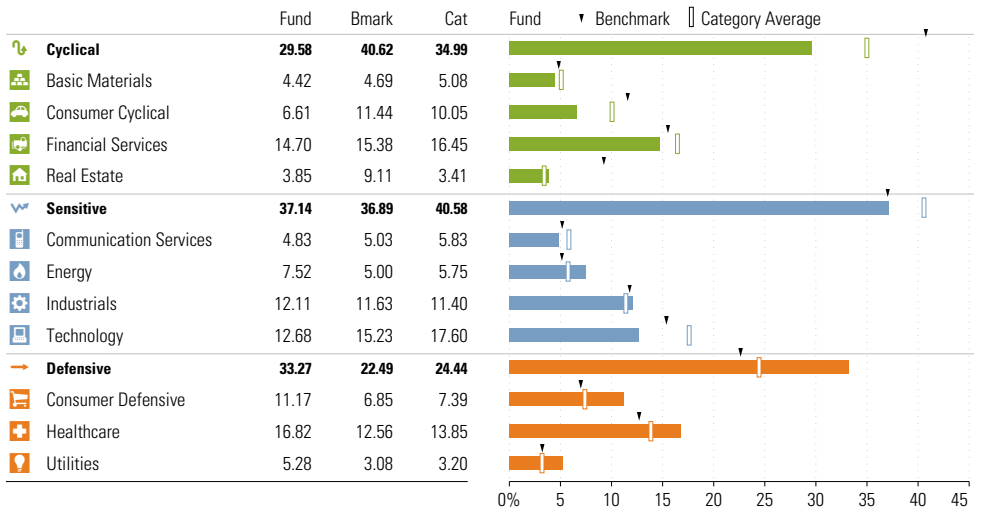


Asset Allocation as of 03-31-2023

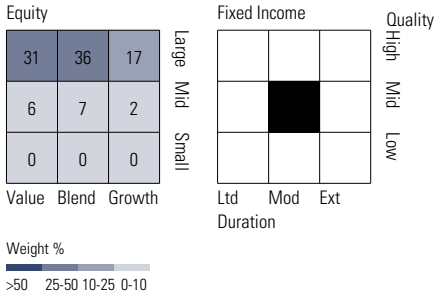


Asset Class	Net %	Cat%
US Stocks	29.96	24.45
Non-US Stocks	10.65	14.30
Bonds	52.28	51.69
Cash	6.36	4.62
Other	0.75	4.93
Total	100.00	100.00

Sector Weighting as of 03-31-2023



Style Breakdown



Top 10 Holdings as of 03-31-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ American Funds Income Fund of Amer R6	—	12.52	12.52	—	—
⊕ American Funds Bond Fund of Amer R6	—	8.66	21.18	—	—
⊕ American Funds Inflation Linked Bd R6	—	7.99	29.17	—	—
⊕ American Funds Interm Bd Fd of Amer R6	—	7.94	37.11	—	—
⊖ American Funds American Balanced R6	—	7.36	44.48	—	—
⊕ American Funds Mortgage R6	—	6.02	50.49	—	—
⊕ American Funds American Mutual R6	—	6.00	56.50	—	—
⊖ American Funds Capital Income Bldr R6	—	5.97	62.47	—	—
⊖ American Funds Capital World Gr&Inc R6	—	5.03	67.49	—	—
⊖ American Funds Washington Mutual R6	—	4.34	71.83	—	—

Total Holdings 22

⊕ Increase ⊖ Decrease ✨ New to Portfolio

American Funds 2020 Trgt Date Retire R6 RRCTX

Morningstar Category
Target-Date 2020

Morningstar Index
Morningstar Lifetime Mod 2020 TR USD

Portfolio Manager(s)

Bradley Vogt since 01-2012
Wesley Phoa since 01-2012
Michelle Black since 01-2020
David Hoag since 01-2020
Samir Mathur since 01-2020
Shannon Ward since 01-2021
Jessica Spaly since 01-2023

Quantitative Screens

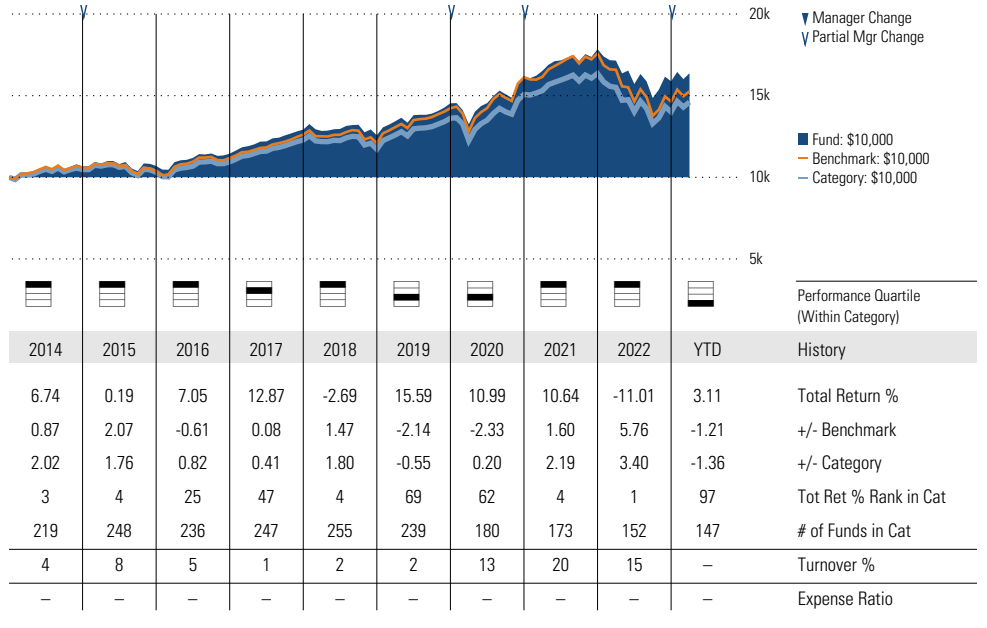
✔ **Performance:** The fund has finished in the Target-Date 2020 category's top three quartiles in 10 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 11.25 years.

✔ **Style:** The fund has landed in its primary style box — Large Blend — 90 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.3 is 50.82% lower than the Target-Date 2020 category average.

Growth of \$10,000



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.

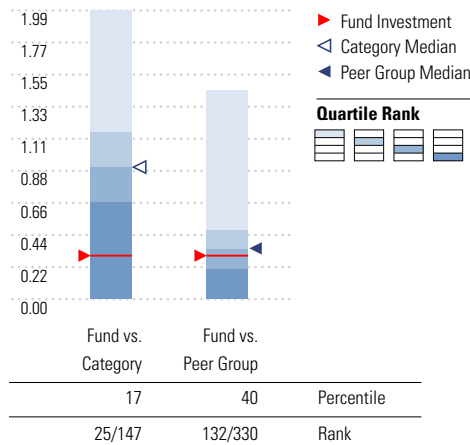
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	03-31-2023

Trailing Performance



Net Expense



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

Metric	Fund	Bmark	Cat
Alpha	2.07	-	1.19
Beta	0.84	-	0.89
R-Squared	96.94	-	97.15
Standard Deviation	10.24	11.97	10.81
Sharpe Ratio	0.63	0.45	0.54
Tracking Error	2.60	-	2.32
Information Ratio	0.50	-	0.39
Up Capture Ratio	90.16	-	92.55
Down Capture Ratio	77.64	-	85.37

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	16.25	16.22	16.42
Price/Book Ratio	2.79	2.34	2.40
Avg Eff Duration	5.32	-	5.78

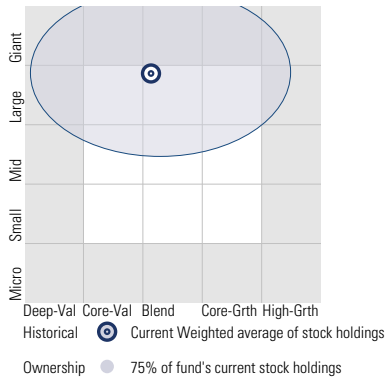
American Funds 2020 Trgt Date Retire R6 RRCTX

Morningstar Category
Target-Date 2020

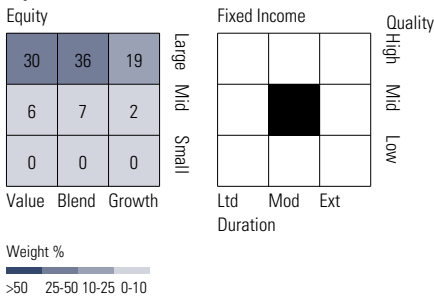
Morningstar Index
Morningstar Lifetime Mod 2020 TR USD

Style Analysis as of 03-31-2023

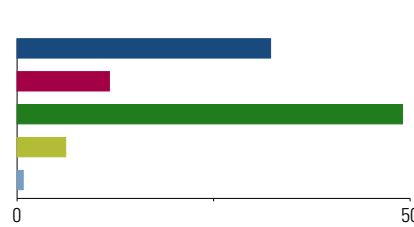
Morningstar Style Box™



Style Breakdown

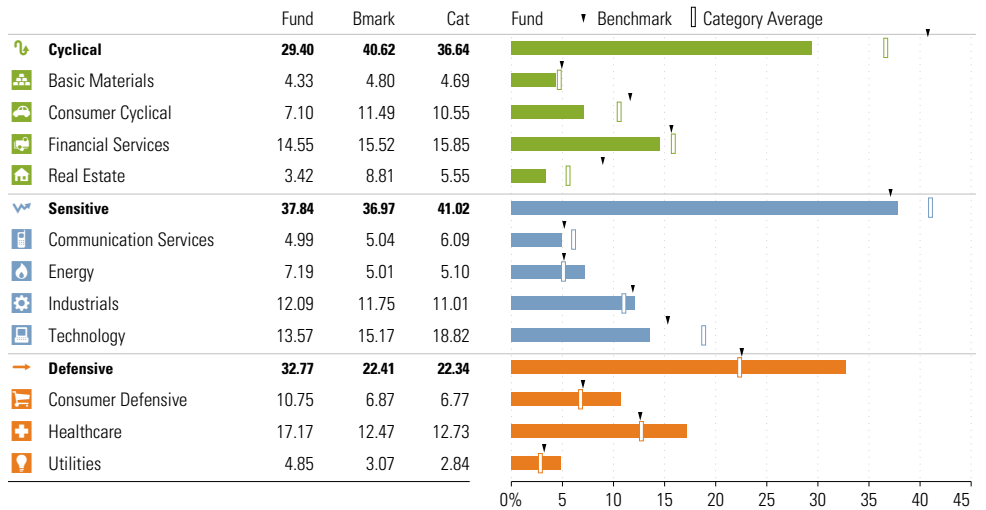


Asset Allocation as of 03-31-2023



Asset Class	Net %	Cat%
US Stocks	32.25	25.78
Non-US Stocks	11.74	14.07
Bonds	49.04	49.20
Cash	6.19	3.01
Other	0.78	7.94
Total	100.00	100.00

Sector Weighting as of 03-31-2023



Top 10 Holdings as of 03-31-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ American Funds Income Fund of Amer R6	—	10.44	10.44	—	—
⊕ American Funds Bond Fund of Amer R6	—	8.02	18.46	—	—
⊖ American Funds American Balanced R6	—	8.02	26.47	—	—
⊕ American Funds Inflation Linked Bd R6	—	7.96	34.43	—	—
⊕ American Funds Mortgage R6	—	6.01	40.44	—	—
⊕ American Funds Interm Bd Fd of Amer R6	—	6.00	46.45	—	—
⊕ American Funds American Mutual R6	—	5.99	52.44	—	—
⊕ American Funds Capital Income Bldr R6	—	5.68	58.11	—	—
⊖ American Funds Capital World Gr&Inc R6	—	5.38	63.49	—	—
⊕ American Funds US Government Sec R6	—	5.01	68.50	—	—

Total Holdings 22

⊕ Increase ⊖ Decrease ✨ New to Portfolio

American Funds 2025 Trgt Date Retire R6 RFDTX

Morningstar Category
Target-Date 2025

Morningstar Index
Morningstar Lifetime Mod 2025 TR USD

Portfolio Manager(s)

Bradley Vogt since 01-2012
 Wesley Phoa since 01-2012
 Michelle Black since 01-2020
 Samir Mathur since 01-2020
 David Hoag since 01-2020
 Shannon Ward since 01-2021
 Jessica Spaly since 01-2023

Quantitative Screens

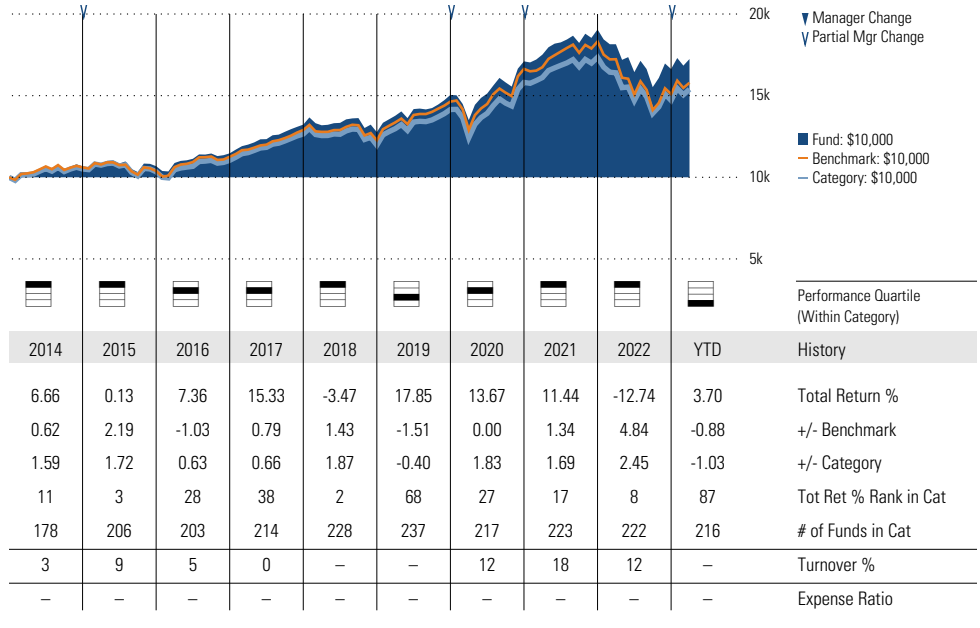
✔ **Performance:** The fund has finished in the Target-Date 2025 category's top three quartiles in 10 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 11.25 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 0.32 is 51.52% lower than the Target-Date 2025 category average.

Growth of \$10,000



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.

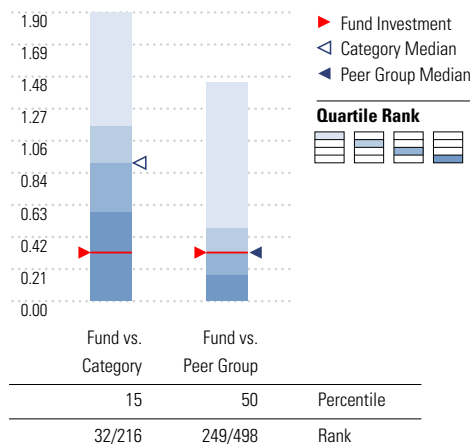
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	03-31-2023
Carbon Risk Score	Low Risk	06-30-2022

Trailing Performance



Net Expense



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

Metric	Fund	Bmark	Cat
Alpha	2.22	-	1.28
Beta	0.87	-	0.89
R-Squared	97.79	-	97.60
Standard Deviation	11.42	12.95	11.66
Sharpe Ratio	0.67	0.49	0.58
Tracking Error	2.37	-	2.43
Information Ratio	0.65	-	0.43
Up Capture Ratio	94.96	-	93.63
Down Capture Ratio	83.38	-	86.99

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	16.70	16.05	16.52
Price/Book Ratio	2.87	2.32	2.43
Avg Eff Duration	5.38	-	6.54

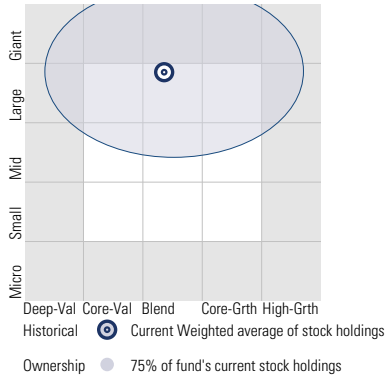
American Funds 2025 Trgt Date Retire R6 RFDTX

Morningstar Category
Target-Date 2025

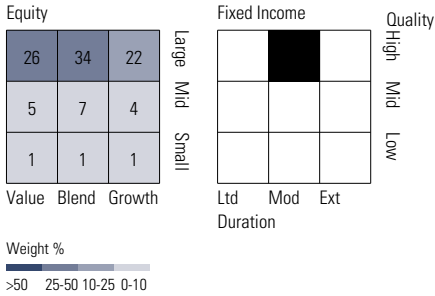
Morningstar Index
Morningstar Lifetime Mod 2025 TR USD

Style Analysis as of 03-31-2023

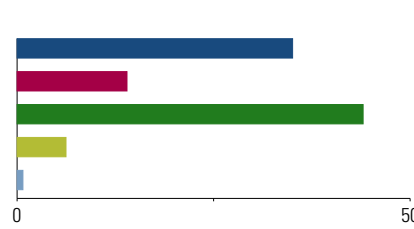
Morningstar Style Box™



Style Breakdown

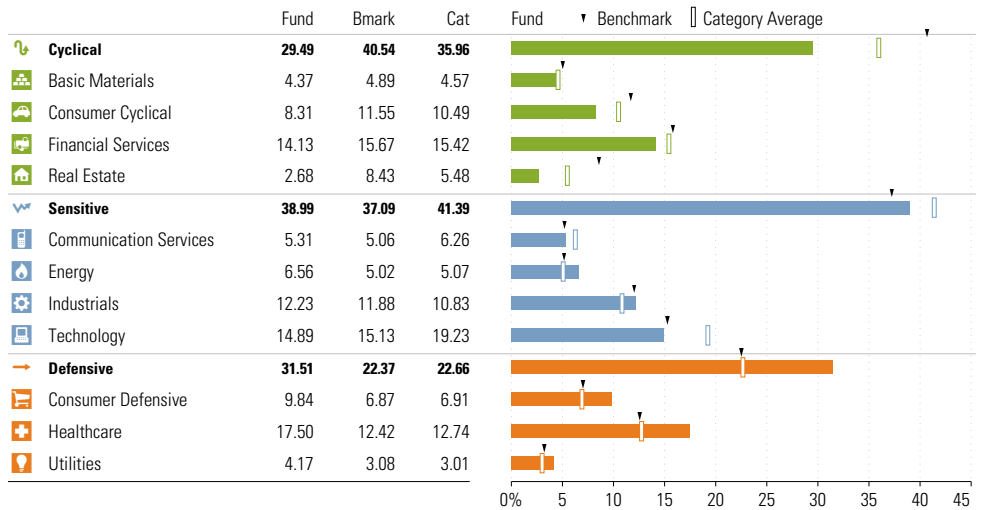


Asset Allocation as of 03-31-2023



Asset Class	Net %	Cat%
US Stocks	35.05	28.92
Non-US Stocks	13.98	15.03
Bonds	44.02	41.64
Cash	6.22	3.72
Other	0.74	10.69
Total	100.00	100.00

Sector Weighting as of 03-31-2023



Top 10 Holdings as of 03-31-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ American Funds American Balanced R6	—	7.94	7.94	—	—
⊕ American Funds Bond Fund of Amer R6	—	7.56	15.49	—	—
⊕ American Funds Inflation Linked Bd R6	—	7.24	22.74	—	—
⊕ American Funds Capital World Gr&Inc R6	—	6.59	29.33	—	—
⊕ American Funds Income Fund of Amer R6	—	6.35	35.67	—	—
⊕ American Funds American Mutual R6	—	6.25	41.92	—	—
⊕ American Funds Mortgage R6	—	5.56	47.48	—	—
⊕ American Funds Interm Bd Fd of Amer R6	—	5.53	53.01	—	—
⊕ American Funds Washington Mutual R6	—	4.91	57.92	—	—
⊕ American Funds US Government Sec R6	—	4.90	62.82	—	—

Total Holdings 25

⊕ Increase ⊖ Decrease ✨ New to Portfolio

American Funds 2030 Trgt Date Retire R6 RFETX

Morningstar Category
Target-Date 2030

Morningstar Index
Morningstar Lifetime Mod 2030 TR USD

Portfolio Manager(s)

Bradley Vogt since 01-2012
Wesley Phoa since 01-2012
David Hoag since 01-2020
Samir Mathur since 01-2020
Michelle Black since 01-2020
Shannon Ward since 01-2021
Jessica Spaly since 01-2023

Quantitative Screens

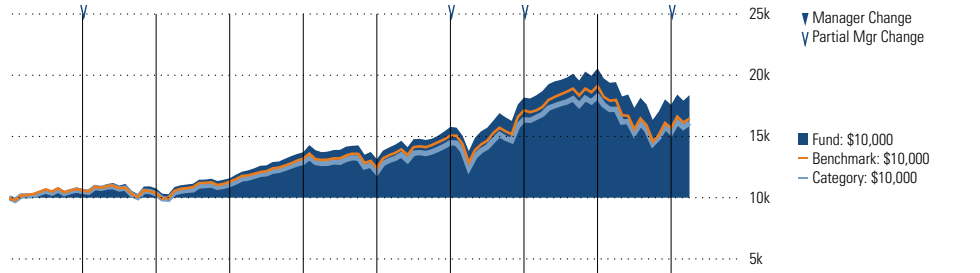
✔ **Performance:** The fund has finished in the Target-Date 2030 category's top three quartiles in 10 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 11.25 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 0.33 is 51.47% lower than the Target-Date 2030 category average.

Growth of \$10,000



2014	2015	2016	2017	2018	2019	2020	2021	2022	YTD	History
7.06	0.47	7.71	18.40	-4.16	20.06	15.16	13.16	-14.50	4.52	Total Return %
1.05	2.77	-1.55	1.81	1.66	-1.18	1.47	1.47	3.44	-0.32	+/- Benchmark
2.02	2.26	0.38	1.83	2.09	-0.01	2.17	1.48	1.51	-0.59	+/- Category
7	2	38	12	2	60	17	16	19	82	Tot Ret % Rank in Cat
207	235	225	236	242	245	226	225	223	219	# of Funds in Cat
2	6	3	0	-	-	8	21	9	-	Turnover %
-	-	-	-	-	-	-	-	-	-	Expense Ratio

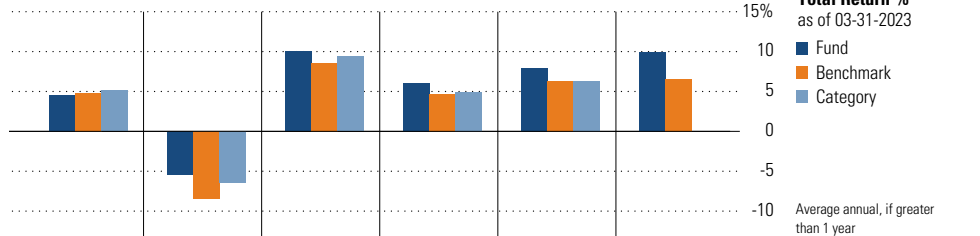
Morningstar Investment Management LLC Analysis

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ESG Metrics

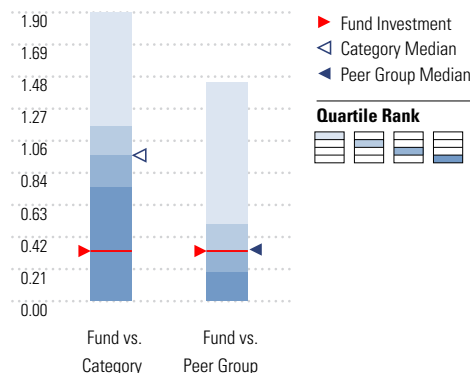
Metric	Rating	Updated
Sustainability Rating	2	03-31-2023
Carbon Risk Score	Low Risk	12-31-2022

Trailing Performance



3 Month	1 Year	3 year	5 year	10 year	Since Inception	
4.52	-5.45	10.02	6.03	7.96	9.96	Fund Return %
4.84	-8.49	8.55	4.70	6.30	6.54	Benchmark Return %
5.11	-6.44	9.39	4.95	6.35	-	Category Average %
82	16	31	1	1	-	% Rank in Category
219	217	190	170	97	-	# of Funds in Category

Net Expense



Fund vs. Category	Fund vs. Peer Group	Percentile Rank
15	46	33/219
		194/423

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	2.01	-	1.30
Beta	0.91	-	0.93
R-Squared	98.36	-	98.22
Standard Deviation	12.94	14.06	13.16
Sharpe Ratio	0.71	0.57	0.65
Tracking Error	2.06	-	2.16
Information Ratio	0.71	-	0.51
Up Capture Ratio	98.00	-	97.20
Down Capture Ratio	88.67	-	91.19

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	17.08	15.88	16.58
Price/Book Ratio	2.95	2.29	2.50
Avg Eff Duration	5.49	-	7.02

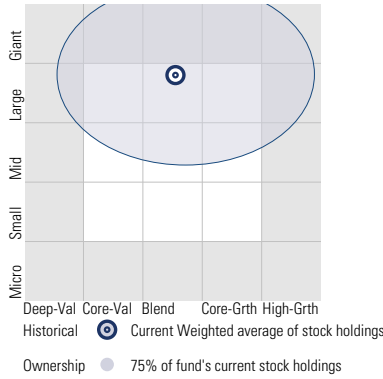
American Funds 2030 Trgt Date Retire R6 RFETX

Morningstar Category
Target-Date 2030

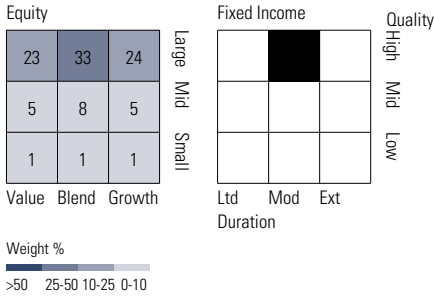
Morningstar Index
Morningstar Lifetime Mod 2030 TR USD

Style Analysis as of 03-31-2023

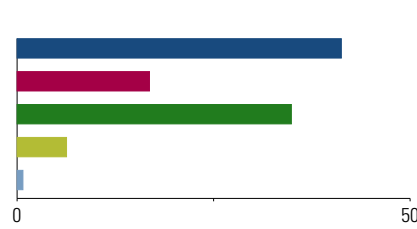
Morningstar Style Box™



Style Breakdown

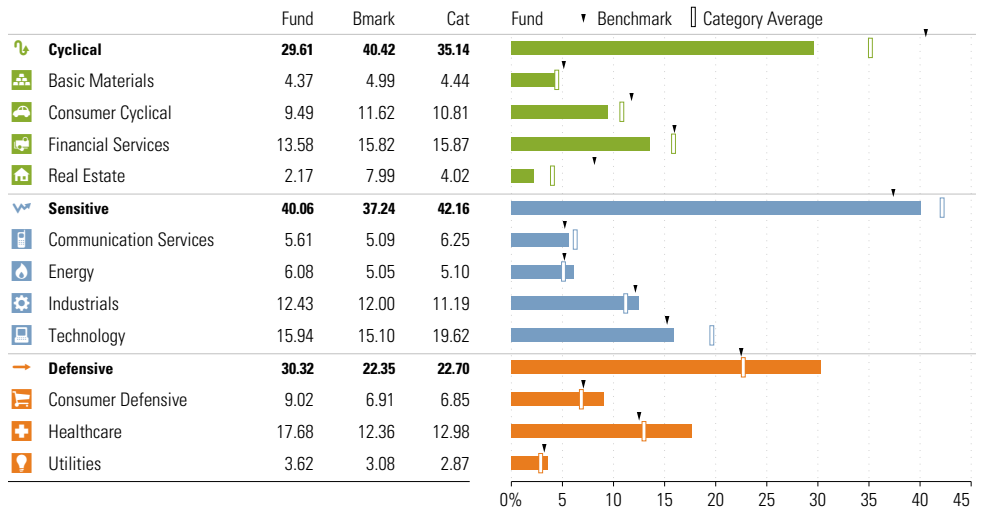


Asset Allocation as of 03-31-2023



Asset Class	Net %	Cat%
US Stocks	41.25	35.25
Non-US Stocks	16.84	17.18
Bonds	34.89	31.79
Cash	6.29	2.12
Other	0.74	13.66
Total	100.00	100.00

Sector Weighting as of 03-31-2023



Top 10 Holdings as of 03-31-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ American Funds American Balanced R6	-	7.88	7.88	-	-
⊕ American Funds Capital World Gr&Inc R6	-	7.02	14.90	-	-
⊕ American Funds American Mutual R6	-	6.88	21.77	-	-
American Funds AMCAP R6	-	6.02	27.79	-	-
⊕ American Funds Inflation Linked Bd R6	-	5.64	33.44	-	-
⊕ American Funds US Government Sec R6	-	5.01	38.45	-	-
⊕ American Funds Mortgage R6	-	5.00	43.45	-	-
⊕ American Funds Global Balanced R6	-	4.91	48.36	-	-
⊕ American Funds Washington Mutual R6	-	4.85	53.21	-	-
⊖ American Funds Growth Fund of Amer R6	-	4.82	58.03	-	-

Total Holdings 24

⊕ Increase ⊖ Decrease ✨ New to Portfolio

American Funds 2035 Trgt Date Retire R6 RFFTX

Morningstar Category
Target-Date 2035

Morningstar Index
Morningstar Lifetime Mod 2035 TR USD

Portfolio Manager(s)

Bradley Vogt since 01-2012
Wesley Phoa since 01-2012
Samir Mathur since 01-2020
David Hoag since 01-2020
Michelle Black since 01-2020
Shannon Ward since 01-2021
Jessica Spaly since 01-2023

Quantitative Screens

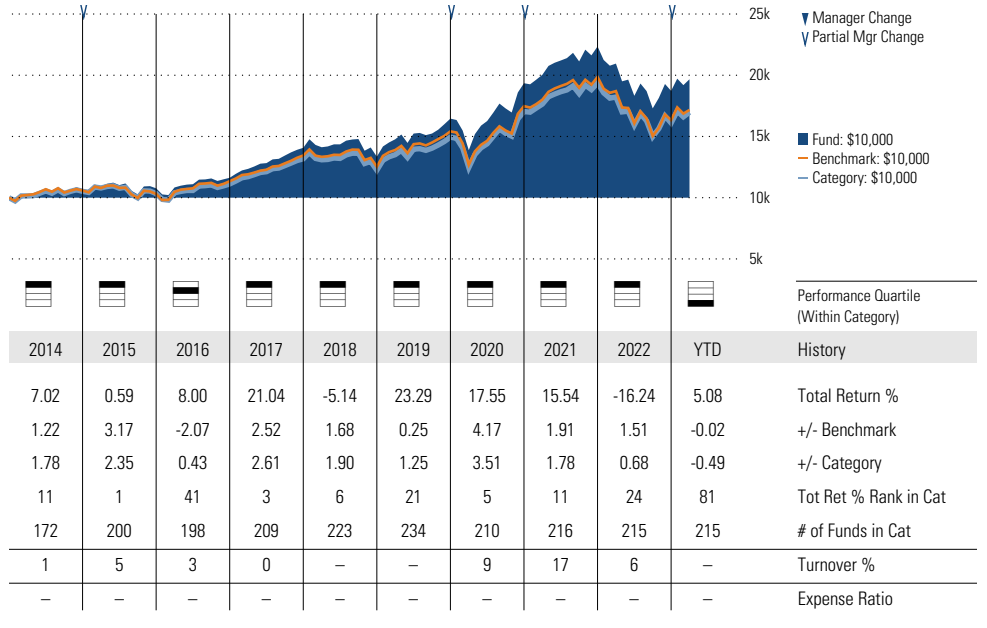
✔ **Performance:** The fund has finished in the Target-Date 2035 category's top three quartiles in 10 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 11.25 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 0.35 is 48.53% lower than the Target-Date 2035 category average.

Growth of \$10,000



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.

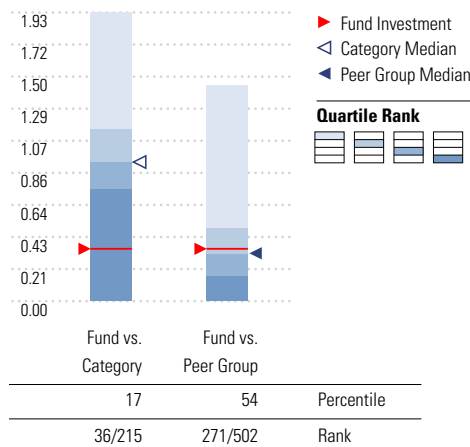
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	03-31-2023
Carbon Risk Score	Low Risk	12-31-2022

Trailing Performance



Net Expense



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

Metric	Fund	Bmark	Cat
Alpha	1.86	-	0.99
Beta	0.97	-	0.96
R-Squared	98.60	-	98.49
Standard Deviation	14.81	15.20	14.72
Sharpe Ratio	0.78	0.66	0.72
Tracking Error	1.82	-	2.03
Information Ratio	0.94	-	0.46
Up Capture Ratio	102.71	-	99.57
Down Capture Ratio	95.11	-	95.72

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	17.30	15.72	16.40
Price/Book Ratio	3.00	2.26	2.44
Avg Eff Duration	5.47	-	7.46

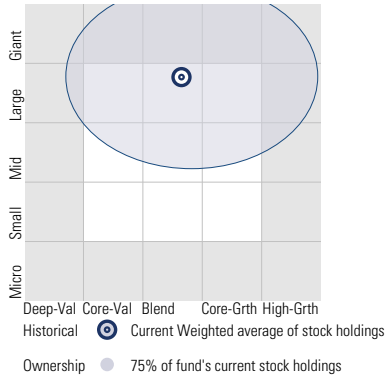
American Funds 2035 Trgt Date Retire R6 RFFTX

Morningstar Category
Target-Date 2035

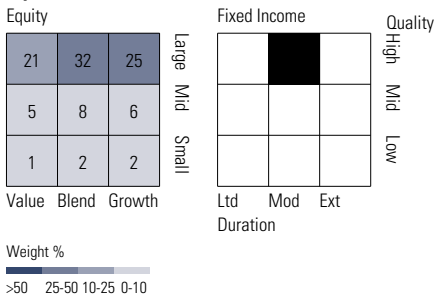
Morningstar Index
Morningstar Lifetime Mod 2035 TR USD

Style Analysis as of 03-31-2023

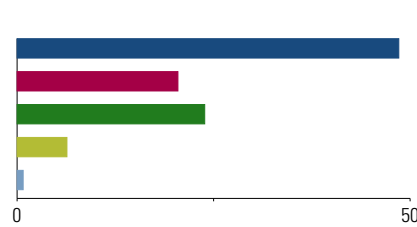
Morningstar Style Box™



Style Breakdown

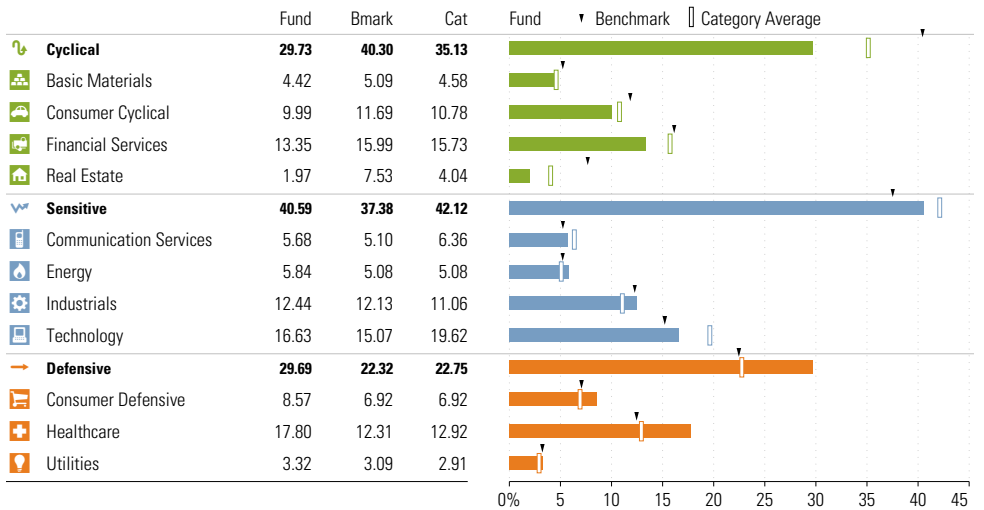


Asset Allocation as of 03-31-2023



Asset Class	Net %	Cat%
US Stocks	48.56	41.92
Non-US Stocks	20.46	22.09
Bonds	23.87	21.62
Cash	6.34	2.47
Other	0.77	11.90
Total	100.00	100.00

Sector Weighting as of 03-31-2023



Top 10 Holdings as of 03-31-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ American Funds American Balanced R6	—	7.86	7.86	—	—
⊕ American Funds Capital World Gr&Inc R6	—	7.01	14.87	—	—
⊕ American Funds American Mutual R6	—	6.99	21.85	—	—
American Funds Growth Fund of Amer R6	—	6.37	28.23	—	—
⊕ American Funds Fundamental Invs R6	—	6.35	34.58	—	—
American Funds AMCAP R6	—	6.30	40.88	—	—
⊕ American Funds Washington Mutual R6	—	5.32	46.20	—	—
⊕ American Funds US Government Sec R6	—	5.03	51.24	—	—
⊕ American Funds Global Balanced R6	—	4.86	56.09	—	—
American Funds SMALLCAP World R6	—	4.70	60.80	—	—

Total Holdings 25

⊕ Increase ⊖ Decrease ✨ New to Portfolio

American Funds 2040 Trgt Date Retire R6 RFGTX

Morningstar Category
Target-Date 2040

Morningstar Index
Morningstar Lifetime Mod 2040 TR USD

Portfolio Manager(s)

Bradley Vogt since 01-2012
Wesley Phoa since 01-2012
David Hoag since 01-2020
Michelle Black since 01-2020
Samir Mathur since 01-2020
Shannon Ward since 01-2021
Jessica Spaly since 01-2023

Quantitative Screens

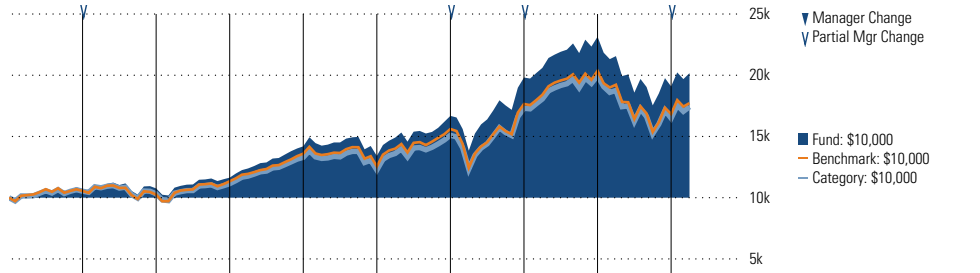
✔ **Performance:** The fund has finished in the Target-Date 2040 category's top three quartiles in 10 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 11.25 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.36 is 48.57% lower than the Target-Date 2040 category average.

Growth of \$10,000



2014	2015	2016	2017	2018	2019	2020	2021	2022	YTD	History
6.96	0.58	8.17	21.98	-5.52	24.40	18.77	16.83	-17.55	5.68	Total Return %
1.45	3.41	-2.44	2.11	2.13	0.05	5.68	1.48	-0.18	0.37	+/- Benchmark
1.71	2.57	0.22	2.46	2.22	1.21	4.21	1.36	-0.23	-0.10	+/- Category
15	1	39	6	4	28	4	16	43	65	Tot Ret % Rank in Cat
207	235	225	236	242	245	220	219	218	213	# of Funds in Cat
1	5	2	0	-	-	5	17	4	-	Turnover %
-	-	-	-	-	-	-	-	-	-	Expense Ratio

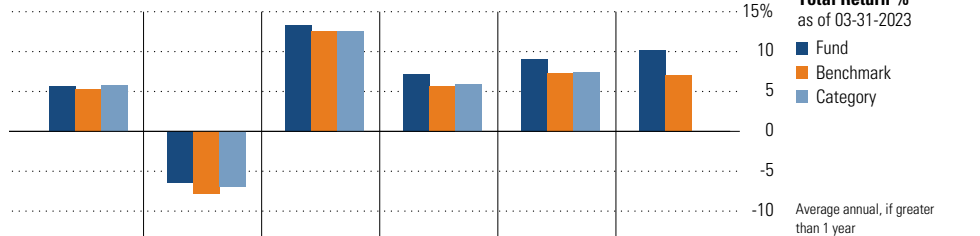
Morningstar Investment Management LLC Analysis

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ESG Metrics

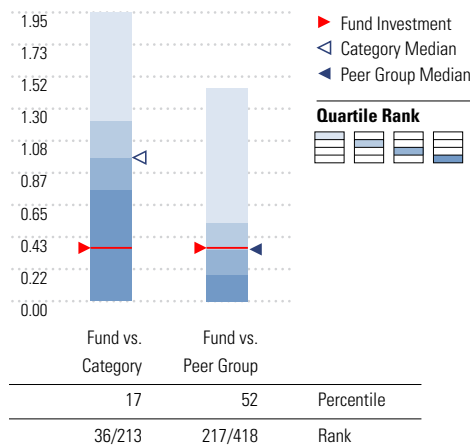
Metric	Rating	Updated
Sustainability Rating	2	03-31-2023
Carbon Risk Score	Low Risk	12-31-2022

Trailing Performance



3 Month	1 Year	3 year	5 year	10 year	Since Inception	
5.68	-6.45	13.37	7.20	9.05	10.18	Fund Return %
5.31	-7.81	12.51	5.62	7.31	7.01	Benchmark Return %
5.78	-6.97	12.61	5.92	7.41	-	Category Average %
65	29	31	1	1	-	% Rank in Category
213	212	184	170	97	-	# of Funds in Category

Net Expense



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	0.94	-	0.47
Beta	0.99	-	0.98
R-Squared	98.69	-	98.52
Standard Deviation	16.09	16.22	15.95
Sharpe Ratio	0.79	0.74	0.76
Tracking Error	1.85	-	2.10
Information Ratio	0.47	-	0.21
Up Capture Ratio	102.39	-	100.08
Down Capture Ratio	99.53	-	99.00

Portfolio Metrics

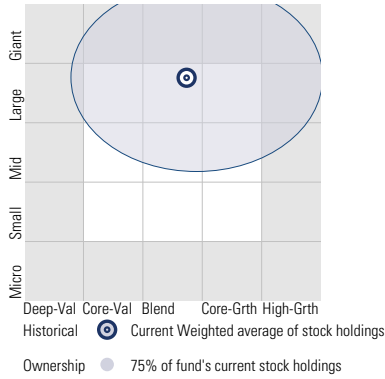
	Fund	Bmark	Cat
Price/Earnings Ratio	17.54	15.56	16.35
Price/Book Ratio	3.05	2.24	2.43
Avg Eff Duration	5.70	-	7.96

American Funds 2040 Trgt Date Retire R6 RFGTX

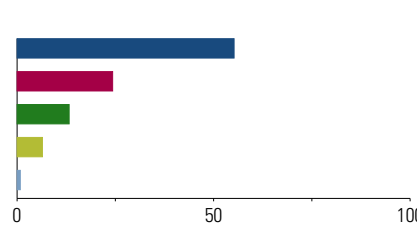
Morningstar Category
Target-Date 2040

Morningstar Index
Morningstar Lifetime Mod 2040 TR USD

Style Analysis as of 03-31-2023
Morningstar Style Box™

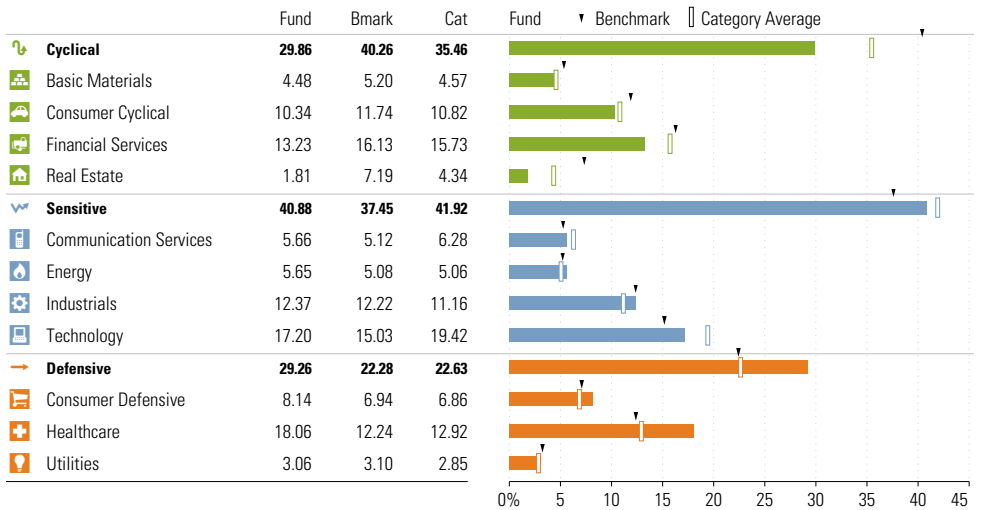


Asset Allocation as of 03-31-2023

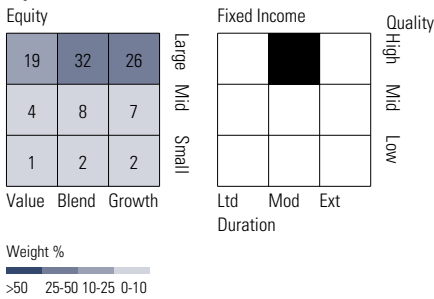


Asset Class	Net %	Cat%
US Stocks	55.21	48.64
Non-US Stocks	24.31	25.85
Bonds	13.24	13.38
Cash	6.44	1.87
Other	0.81	10.26
Total	100.00	100.00

Sector Weighting as of 03-31-2023



Style Breakdown



Top 10 Holdings as of 03-31-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ American Funds American Balanced R6	-	7.96	7.96	-	-
⊕ American Funds Fundamental Invs R6	-	7.37	15.33	-	-
⊕ American Funds Capital World Gr&Inc R6	-	7.37	22.70	-	-
American Funds Growth Fund of Amer R6	-	7.08	29.78	-	-
⊕ American Funds AMCAP R6	-	7.04	36.82	-	-
⊕ American Funds New Perspective R6	-	7.01	43.83	-	-
⊕ American Funds American Mutual R6	-	6.99	50.82	-	-
⊕ American Funds Washington Mutual R6	-	6.34	57.16	-	-
⊕ American Funds SMALLCAP World R6	-	6.28	63.44	-	-
⊕ American Funds US Government Sec R6	-	5.06	68.51	-	-

Total Holdings 22

⊕ Increase ⊖ Decrease ✨ New to Portfolio

American Funds 2045 Trgt Date Retire R6 RFHTX

Morningstar Category
Target-Date 2045

Morningstar Index
Morningstar Lifetime Mod 2045 TR USD

Portfolio Manager(s)

Bradley Vogt since 01-2012
Wesley Phoa since 01-2012
Michelle Black since 01-2020
Samir Mathur since 01-2020
David Hoag since 01-2020
Shannon Ward since 01-2021
Jessica Spaly since 01-2023

Quantitative Screens

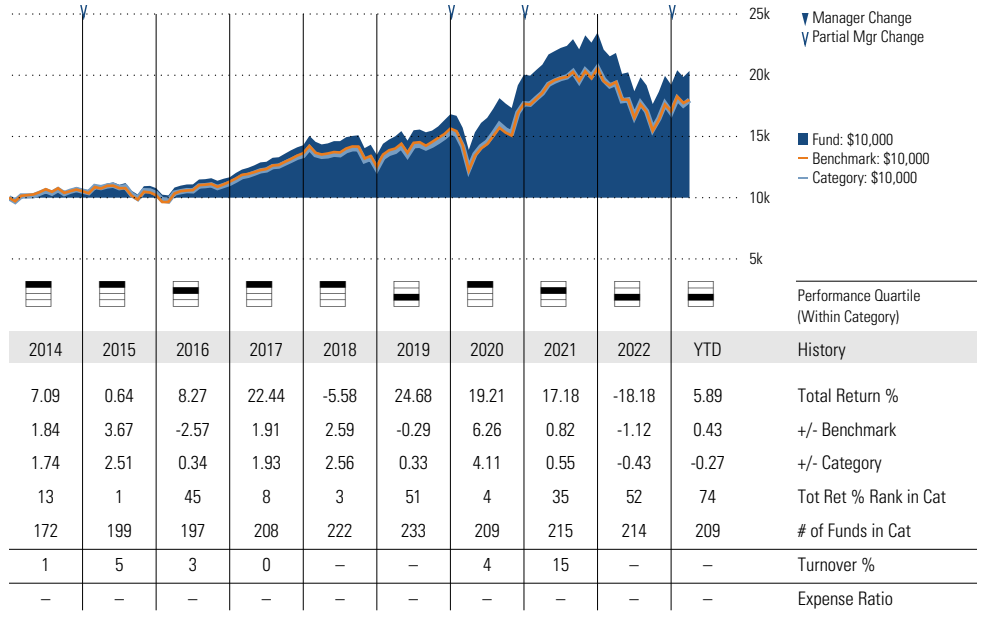
✔ **Performance:** The fund has finished in the Target-Date 2045 category's top three quartiles in 10 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 11.25 years.

✔ **Style:** The fund has landed in its primary style box — Large Blend — 90 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.37 is 47.14% lower than the Target-Date 2045 category average.

Growth of \$10,000



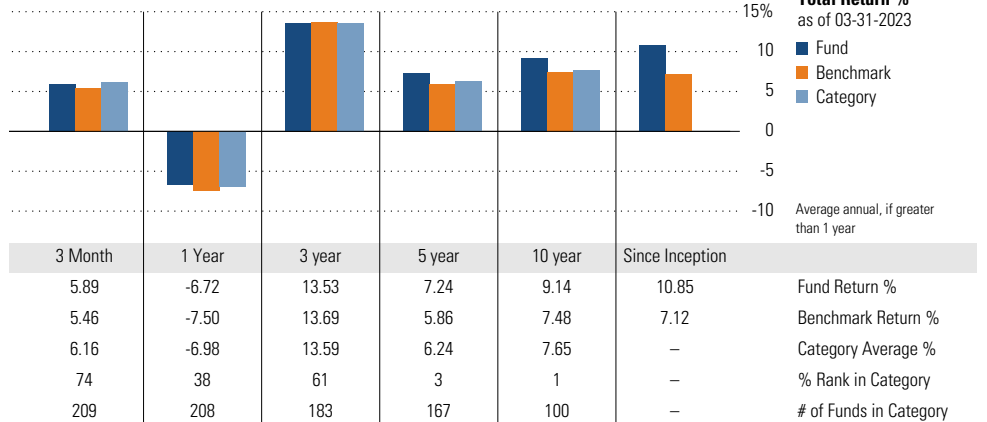
Morningstar Investment Management LLC Analysis

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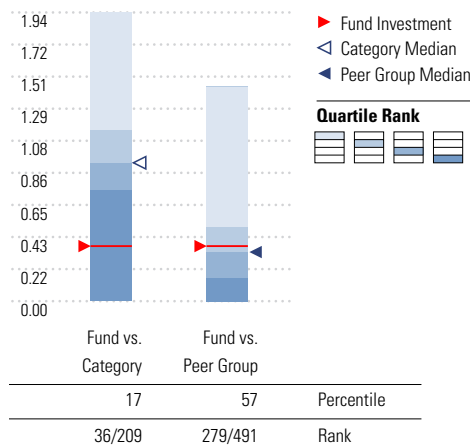
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	03-31-2023
Carbon Risk Score	Low Risk	12-31-2022

Trailing Performance



Net Expense



3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.22	-	0.19
Beta	0.97	-	0.98
R-Squared	98.50	-	98.45
Standard Deviation	16.51	16.87	16.74
Sharpe Ratio	0.78	0.78	0.78
Tracking Error	2.08	-	2.16
Information Ratio	-0.07	-	0.08
Up Capture Ratio	99.71	-	100.55
Down Capture Ratio	100.25	-	100.96

Portfolio Metrics

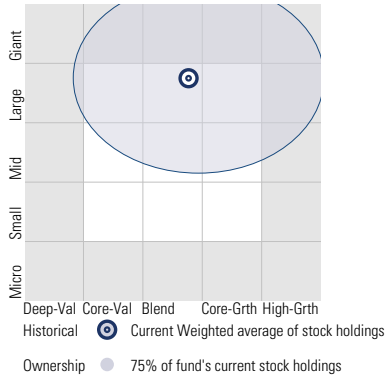
	Fund	Bmark	Cat
Price/Earnings Ratio	17.63	15.42	16.33
Price/Book Ratio	3.08	2.21	2.41
Avg Eff Duration	6.08	-	8.71

American Funds 2045 Trgt Date Retire R6 RFHTX

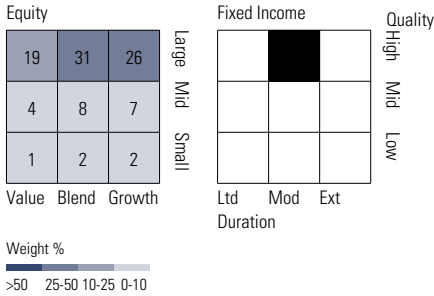
Morningstar Category
Target-Date 2045

Morningstar Index
Morningstar Lifetime Mod 2045 TR USD

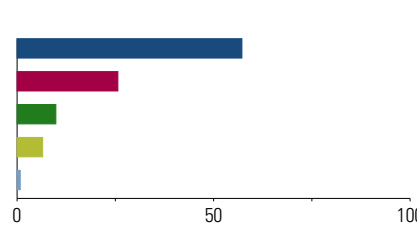
Style Analysis as of 03-31-2023
Morningstar Style Box™



Style Breakdown

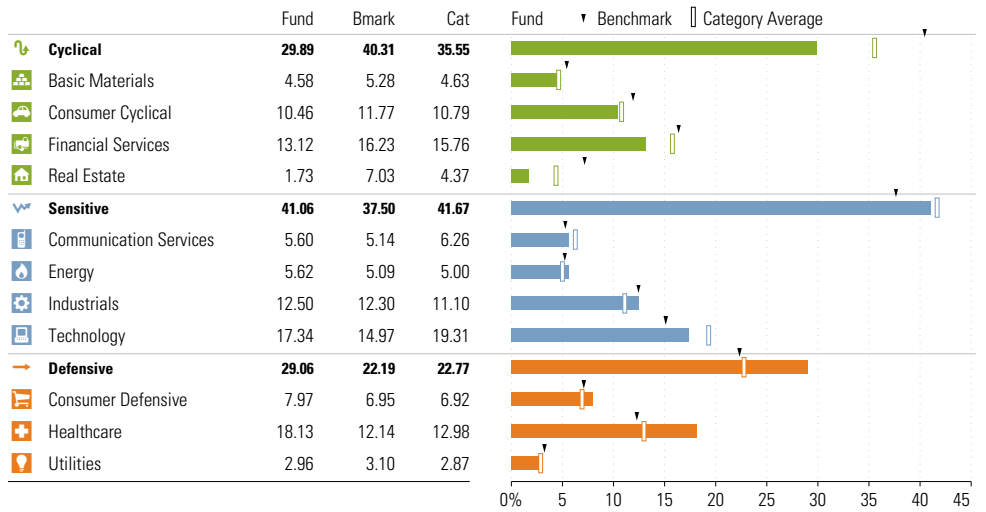


Asset Allocation as of 03-31-2023



Asset Class	Net %	Cat%
US Stocks	57.20	51.55
Non-US Stocks	25.64	28.06
Bonds	9.86	7.32
Cash	6.50	2.02
Other	0.80	11.05
Total	100.00	100.00

Sector Weighting as of 03-31-2023



Top 10 Holdings as of 03-31-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ American Funds Fundamental Invs R6	–	8.00	8.00	–	–
⊕ American Funds Capital World Gr&Inc R6	–	8.00	16.01	–	–
⊖ American Funds New Perspective R6	–	7.75	23.76	–	–
⊕ American Funds American Balanced R6	–	7.63	31.39	–	–
⊕ American Funds SMALLCAP World R6	–	7.34	38.73	–	–
⊕ American Funds Washington Mutual R6	–	7.32	46.05	–	–
⊕ American Funds Growth Fund of Amer R6	–	7.05	53.10	–	–
⊕ American Funds AMCAP R6	–	7.04	60.14	–	–
⊕ American Funds American Mutual R6	–	6.99	67.13	–	–
⊕ American Funds US Government Sec R6	–	5.06	72.19	–	–

Total Holdings 19

⊕ Increase ⊖ Decrease ✨ New to Portfolio

American Funds 2050 Trgt Date Retire R6 RFITX

Morningstar Category
Target-Date 2050

Morningstar Index
Morningstar Lifetime Mod 2050 TR USD

Portfolio Manager(s)

Bradley Vogt since 01-2012
Wesley Phoa since 01-2012
David Hoag since 01-2020
Michelle Black since 01-2020
Samir Mathur since 01-2020
Shannon Ward since 01-2021
Jessica Spaly since 01-2023

Quantitative Screens

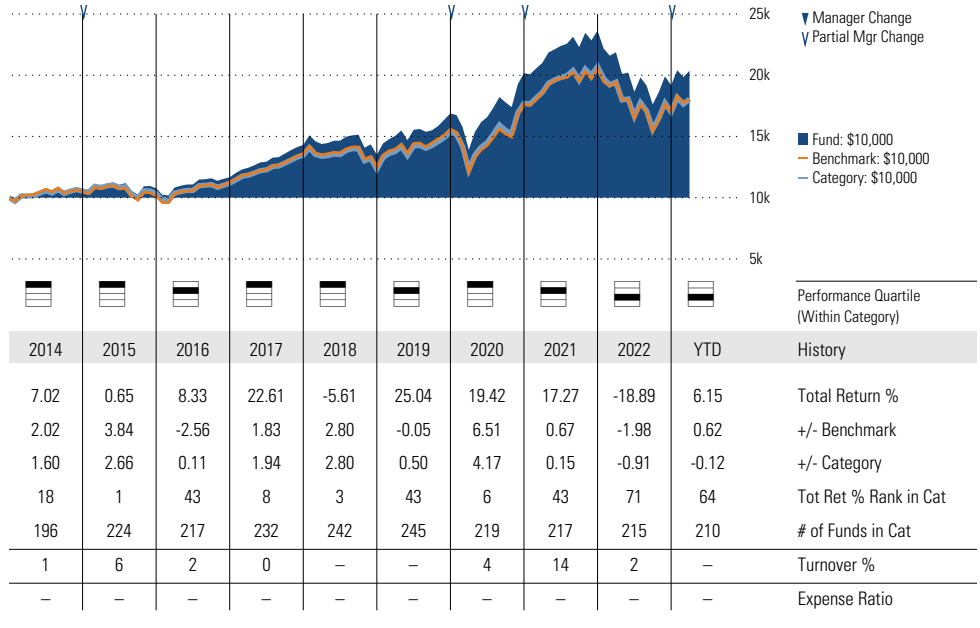
✔ **Performance:** The fund has finished in the Target-Date 2050 category's top three quartiles in 10 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 11.25 years.

✔ **Style:** The fund has landed in its primary style box — Large Blend — 70 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.38 is 46.48% lower than the Target-Date 2050 category average.

Growth of \$10,000



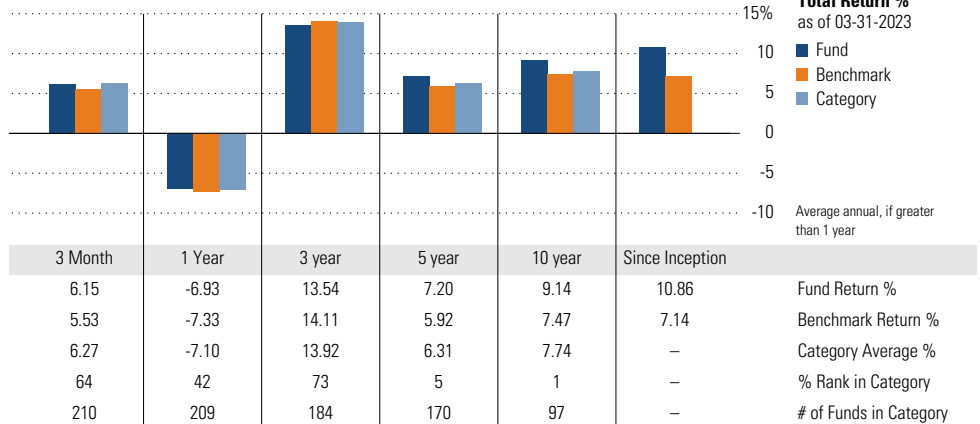
Morningstar Investment Management LLC Analysis

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.

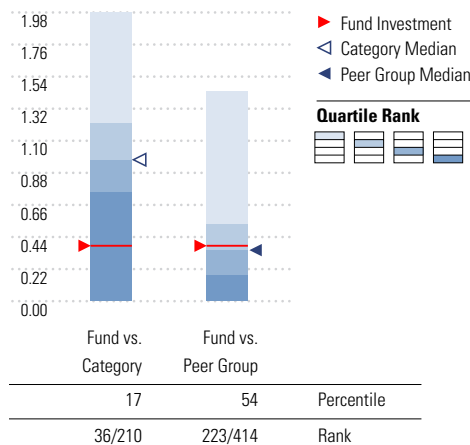
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	03-31-2023
Carbon Risk Score	Low Risk	12-31-2022

Trailing Performance



Net Expense



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	-0.15	-	0.02
Beta	0.97	-	0.99
R-Squared	98.16	-	98.37
Standard Deviation	16.80	17.13	17.11
Sharpe Ratio	0.77	0.79	0.78
Tracking Error	2.33	-	2.21
Information Ratio	-0.25	-	0.00
Up Capture Ratio	99.42	-	101.09
Down Capture Ratio	101.78	-	102.43

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	17.77	15.30	16.35
Price/Book Ratio	3.10	2.19	2.41
Avg Eff Duration	6.12	-	8.79

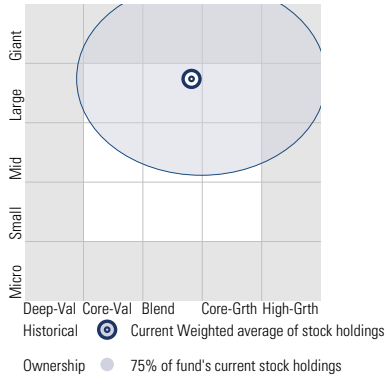
American Funds 2050 Trgt Date Retire R6 RFITX

Morningstar Category
Target-Date 2050

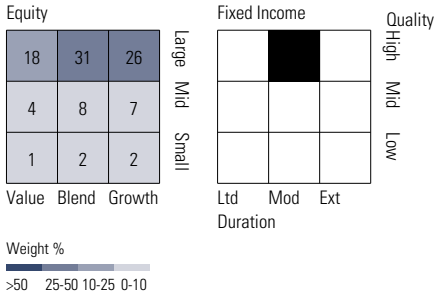
Morningstar Index
Morningstar Lifetime Mod 2050 TR USD

Style Analysis as of 03-31-2023

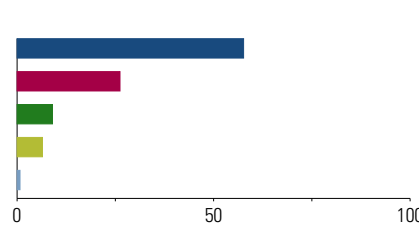
Morningstar Style Box™



Style Breakdown

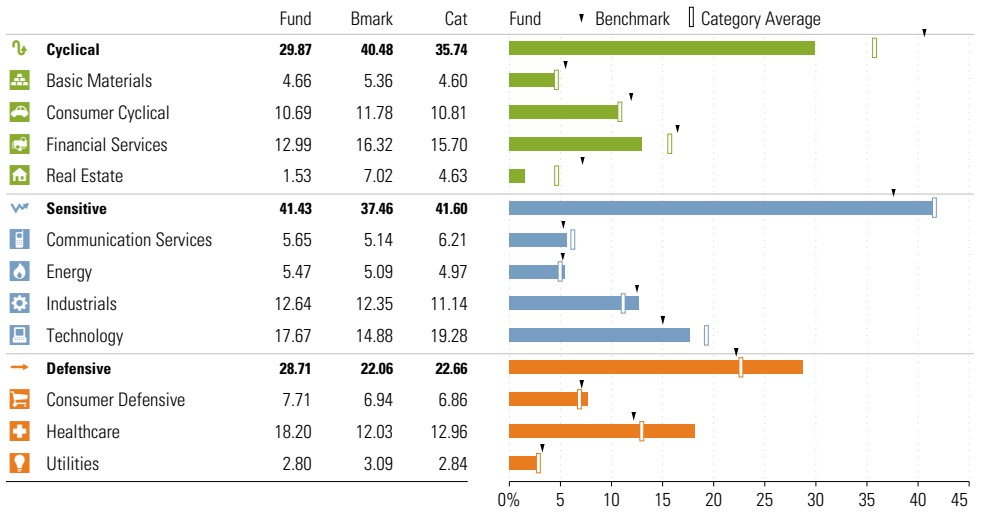


Asset Allocation as of 03-31-2023



Asset Class	Net %	Cat%
US Stocks	57.63	54.30
Non-US Stocks	26.18	28.81
Bonds	9.00	5.14
Cash	6.45	1.80
Other	0.74	9.94
Total	100.00	100.00

Sector Weighting as of 03-31-2023



Top 10 Holdings as of 03-31-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ American Funds New Perspective R6	—	9.04	9.04	—	—
⊕ American Funds Fundamental Invs R6	—	8.35	17.39	—	—
⊕ American Funds Capital World Gr&Inc R6	—	8.35	25.73	—	—
⊕ American Funds SMALLCAP World R6	—	8.34	34.07	—	—
⊕ American Funds Washington Mutual R6	—	8.00	42.07	—	—
⊕ American Funds Growth Fund of Amer R6	—	7.03	49.10	—	—
⊕ American Funds AMCAP R6	—	7.02	56.12	—	—
⊕ American Funds American Mutual R6	—	6.65	62.76	—	—
⊕ American Funds American Balanced R6	—	6.64	69.40	—	—
⊕ American Funds Invmt Co of Amer R6	—	5.35	74.75	—	—

Total Holdings 19

⊕ Increase ⊖ Decrease ✨ New to Portfolio

American Funds 2055 Trgt Date Retire R6 RFKTX

Morningstar Category
Target-Date 2055

Morningstar Index
Morningstar Lifetime Mod 2055 TR USD

Portfolio Manager(s)

Bradley Vogt since 01-2012
Wesley Phoa since 01-2012
David Hoag since 01-2020
Michelle Black since 01-2020
Samir Mathur since 01-2020
Shannon Ward since 01-2021
Jessica Spaly since 01-2023

Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2055 category's top three quartiles in 9 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 11.25 years.

✘ **Style:** The fund has landed in its primary style box — Large Growth — 60 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.38 is 46.48% lower than the Target-Date 2055 category average.

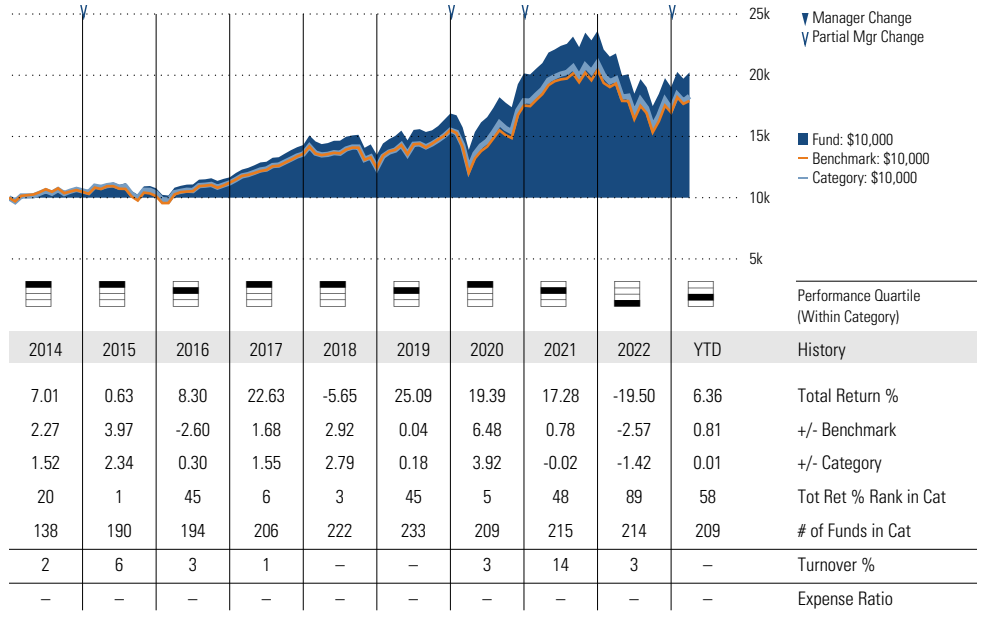
Morningstar Investment Management LLC Analysis

This fund fails our current style screen. Because this is a target-date fund, this screen failure does not concern us and we are still comfortable using this fund.

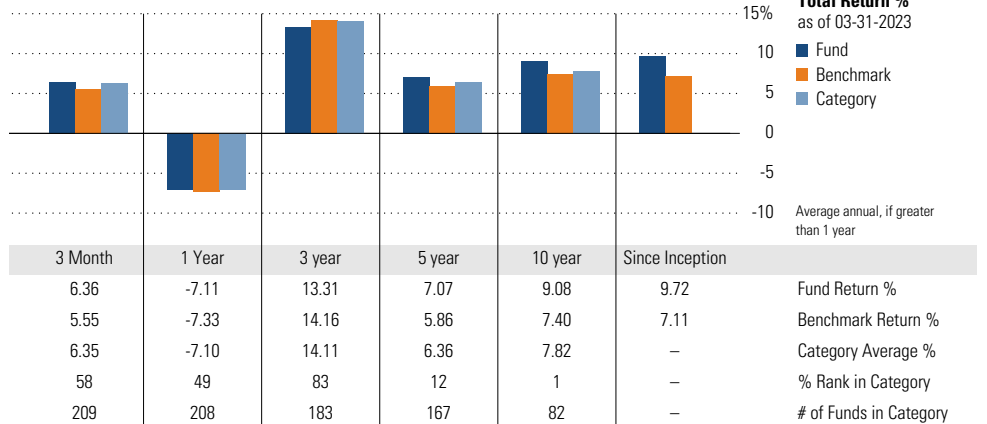
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	03-31-2023
Carbon Risk Score	Low Risk	12-31-2022

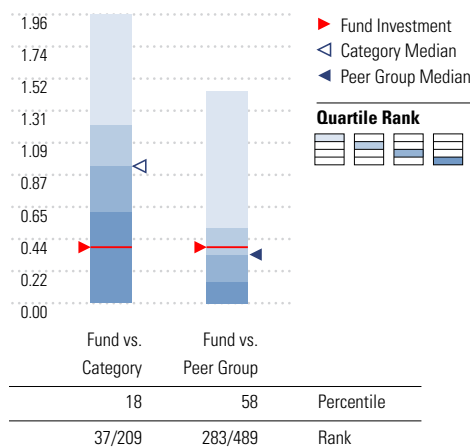
Growth of \$10,000



Trailing Performance



Net Expense



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

Metric	Fund	Bmark	Cat
Alpha	-0.45	-	0.06
Beta	0.98	-	0.99
R-Squared	97.96	-	98.30
Standard Deviation	16.97	17.19	17.23
Sharpe Ratio	0.75	0.79	0.78
Tracking Error	2.45	-	2.24
Information Ratio	-0.35	-	0.03
Up Capture Ratio	99.53	-	101.66
Down Capture Ratio	103.31	-	102.94

Portfolio Metrics

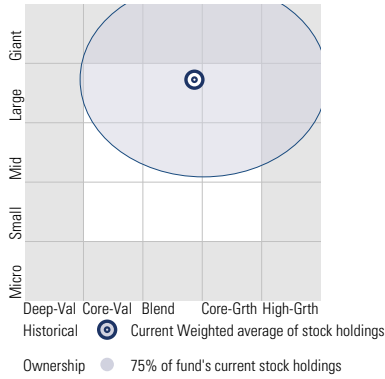
Metric	Fund	Bmark	Cat
Price/Earnings Ratio	17.85	15.19	16.31
Price/Book Ratio	3.11	2.17	2.40
Avg Eff Duration	6.15	-	9.72

American Funds 2055 Trgt Date Retire R6 RFKTX

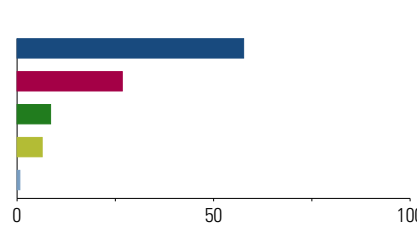
Morningstar Category
Target-Date 2055

Morningstar Index
Morningstar Lifetime Mod 2055 TR USD

Style Analysis as of 03-31-2023
Morningstar Style Box™

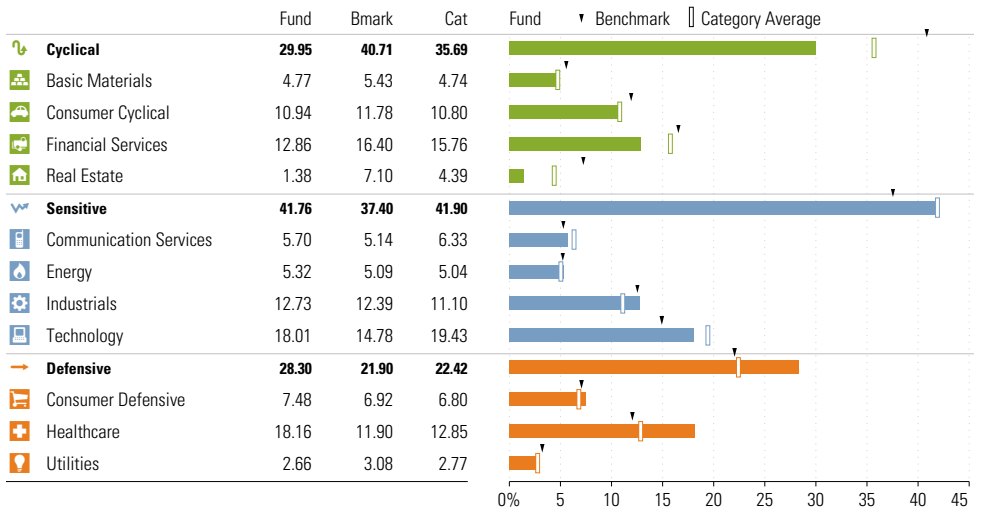


Asset Allocation as of 03-31-2023

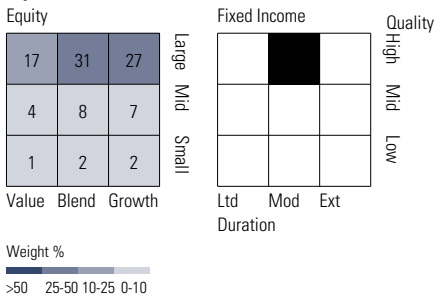


Asset Class	Net %	Cat%
US Stocks	57.64	54.19
Non-US Stocks	26.76	30.35
Bonds	8.52	4.83
Cash	6.38	1.50
Other	0.70	9.15
Total	100.00	100.00

Sector Weighting as of 03-31-2023



Style Breakdown



Top 10 Holdings as of 03-31-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ American Funds New Perspective R6	–	9.36	9.36	–	–
⊕ American Funds SMALLCAP World R6	–	9.34	18.71	–	–
⊕ American Funds Capital World Gr&Inc R6	–	9.00	27.71	–	–
⊕ American Funds Fundamental Invs R6	–	9.00	36.71	–	–
⊕ American Funds Washington Mutual R6	–	8.00	44.71	–	–
⊕ American Funds Growth Fund of Amer R6	–	7.03	51.73	–	–
⊕ American Funds AMCAP R6	–	7.02	58.75	–	–
⊕ American Funds Invmt Co of Amer R6	–	6.35	65.10	–	–
⊕ American Funds American Balanced R6	–	6.00	71.10	–	–
⊕ American Funds Global Balanced R6	–	6.00	77.09	–	–

Total Holdings 17

⊕ Increase ⊖ Decrease ✨ New to Portfolio

American Funds 2060 Trgt Date Retire R6 RFUTX

Morningstar Category
Target-Date 2060

Morningstar Index
Morningstar Mod Tgt Risk TR USD

Portfolio Manager(s)

Bradley Vogt since 03-2015
 Wesley Phoa since 03-2015
 David Hoag since 01-2020
 Michelle Black since 01-2020
 Samir Mathur since 01-2020
 Shannon Ward since 01-2021
 Jessica Spaly since 01-2023

Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2060 category's top three quartiles in 6 of the 7 years it's been in existence.

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

✘ **Style:** The fund has landed in its primary style box — Large Growth — 60 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.38 is 46.48% lower than the Target-Date 2060 category average.

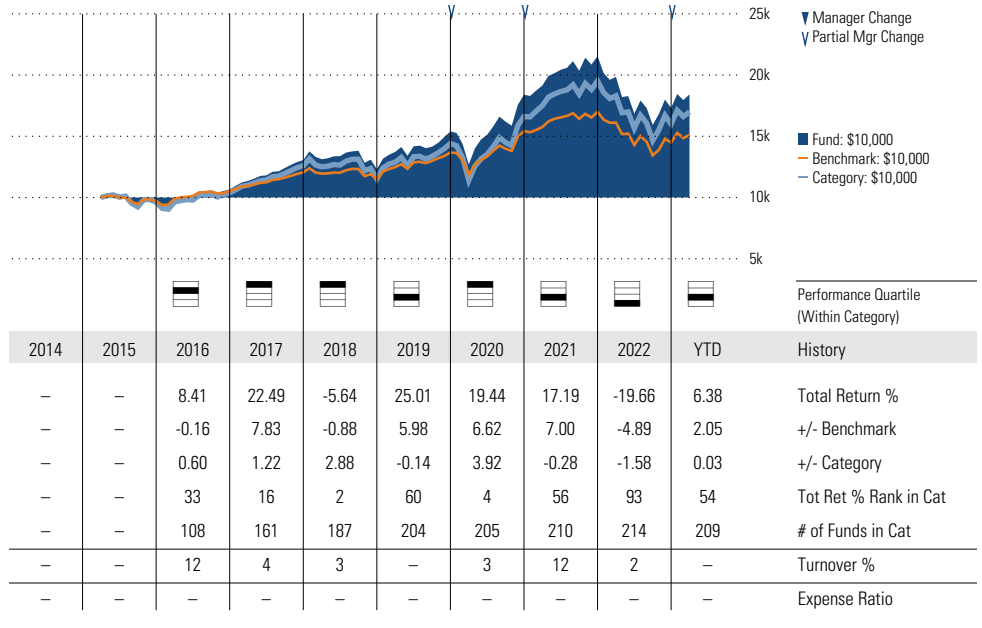
Morningstar Investment Management LLC Analysis

This fund fails our current style screen. Because this is a target-date fund, this screen failure does not concern us and we are still comfortable using this fund.

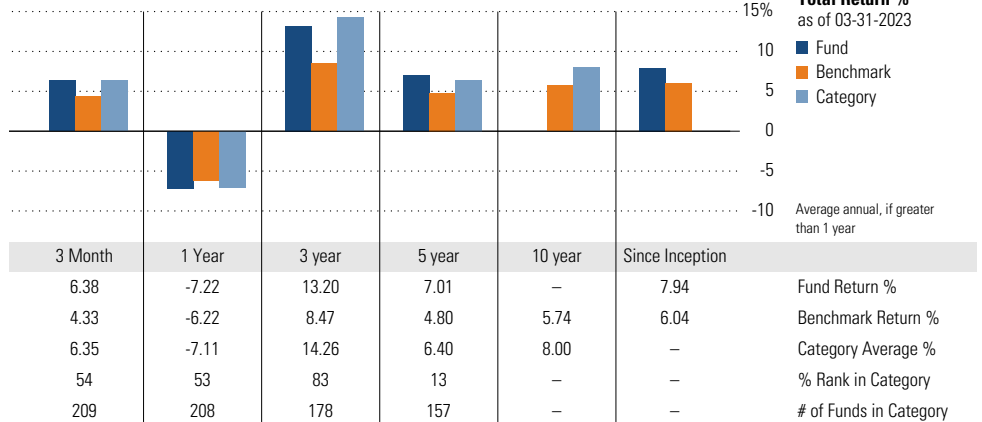
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	03-31-2023
Carbon Risk Score	Low Risk	12-31-2022

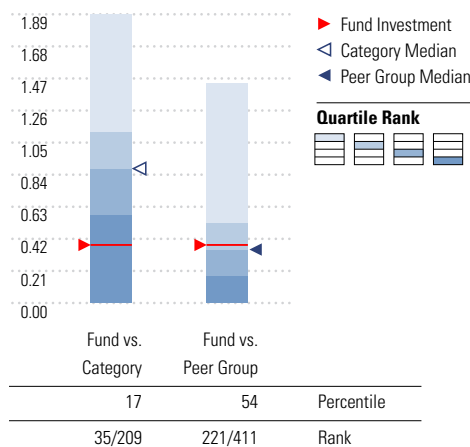
Growth of \$10,000



Trailing Performance



Net Expense



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

Metric	Fund	Bmark	Cat
Alpha	2.15	-	2.85
Beta	1.31	-	1.34
R-Squared	97.03	-	97.48
Standard Deviation	16.97	12.77	17.31
Sharpe Ratio	0.75	0.61	0.79
Tracking Error	4.91	-	5.14
Information Ratio	0.96	-	1.12
Up Capture Ratio	141.66	-	145.42
Down Capture Ratio	133.26	-	132.66

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	17.85	15.15	16.28
Price/Book Ratio	3.11	2.14	2.39
Avg Eff Duration	6.15	-	8.09

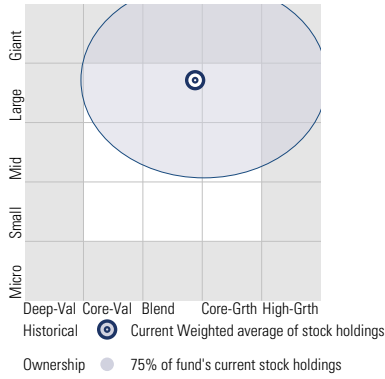
American Funds 2060 Trgt Date Retire R6 RFUTX

Morningstar Category
Target-Date 2060

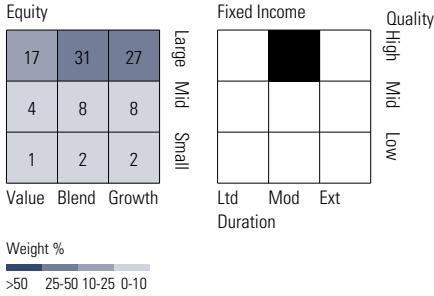
Morningstar Index
Morningstar Mod Tgt Risk TR USD

Style Analysis as of 03-31-2023

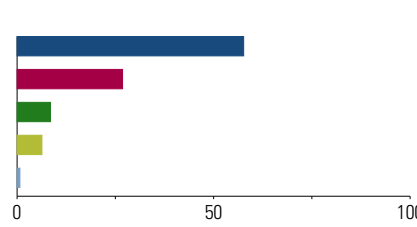
Morningstar Style Box™



Style Breakdown

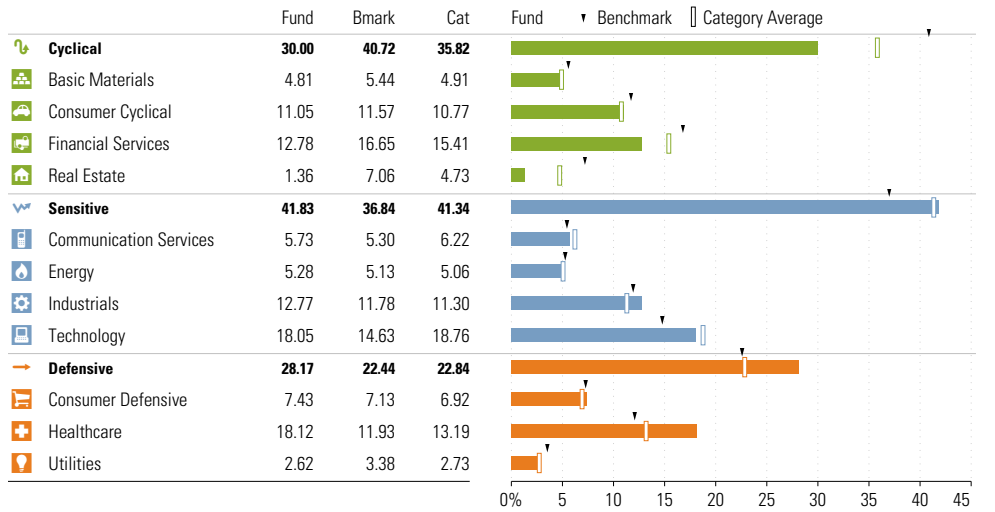


Asset Allocation as of 03-31-2023



Asset Class	Net %	Cat%
US Stocks	57.65	51.71
Non-US Stocks	26.83	32.04
Bonds	8.49	4.58
Cash	6.31	1.92
Other	0.71	9.74
Total	100.00	100.00

Sector Weighting as of 03-31-2023



Top 10 Holdings as of 03-31-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ American Funds New Perspective R6	—	10.00	10.00	—	—
⊕ American Funds SMALLCAP World R6	—	10.00	20.00	—	—
⊕ American Funds Capital World Gr&Inc R6	—	9.00	29.00	—	—
⊕ American Funds Fundamental Invs R6	—	9.00	38.00	—	—
⊕ American Funds Washington Mutual R6	—	8.00	46.00	—	—
⊕ American Funds Growth Fund of Amer R6	—	7.02	53.02	—	—
⊕ American Funds AMCAP R6	—	7.01	60.02	—	—
⊕ American Funds Invmt Co of Amer R6	—	7.00	67.03	—	—
⊕ American Funds American Balanced R6	—	6.00	73.03	—	—
⊕ American Funds Global Balanced R6	—	6.00	79.03	—	—

Total Holdings 16

⊕ Increase ⊖ Decrease ✨ New to Portfolio

American Funds 2065 Trgt Date Retire R6 RFVTX

Morningstar Category
Target-Date 2065+

Morningstar Index
Morningstar Mod Tgt Risk TR USD

Portfolio Manager(s)

Wesley Phoa since 01-2020
Bradley Vogt since 01-2020
David Hoag since 01-2020
Michelle Black since 01-2020
Samir Mathur since 01-2020
Shannon Ward since 01-2021
Jessica Spaly since 01-2023

Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 3.25 years.

✘ **Style:** The fund has landed in its primary style box — Large Growth — 60 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.38 is 45.71% lower than the Target-Date 2065+ category average.

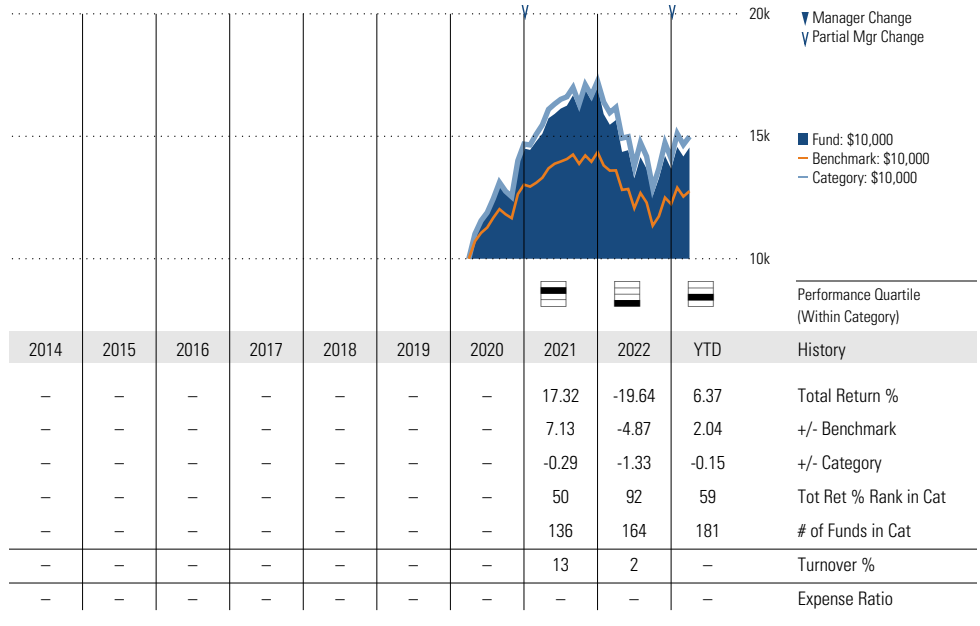
Morningstar Investment Management LLC Analysis

This fund fails our current style screen. Because this is a target-date fund, this screen failure does not concern us and we are still comfortable using this fund.

ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	03-31-2023
Carbon Risk Score	Low Risk	12-31-2022

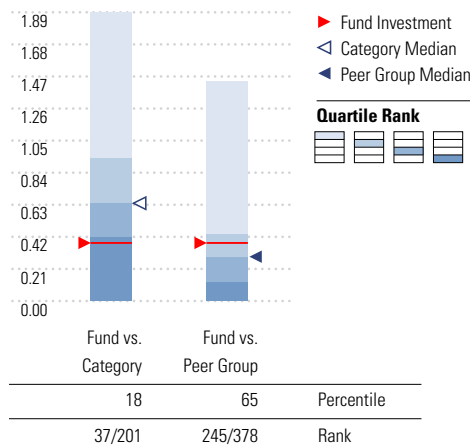
Growth of \$10,000



Trailing Performance



Net Expense



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

Metric	Fund	Bmark	Cat
Alpha	2.22	-	2.89
Beta	1.31	-	1.37
R-Squared	97.00	-	97.82
Standard Deviation	16.99	12.77	17.66
Sharpe Ratio	0.75	0.61	0.79
Tracking Error	4.94	-	5.37
Information Ratio	0.98	-	1.12
Up Capture Ratio	141.87	-	148.38
Down Capture Ratio	132.99	-	135.43

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	17.85	15.15	15.87
Price/Book Ratio	3.11	2.14	2.32
Avg Eff Duration	6.15	-	8.15

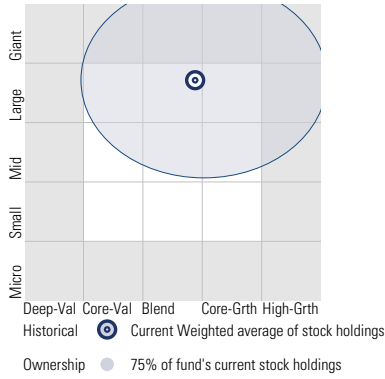
American Funds 2065 Trgt Date Retire R6 RFVTX

Morningstar Category
Target-Date 2065+

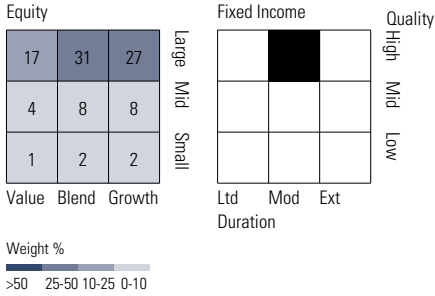
Morningstar Index
Morningstar Mod Tgt Risk TR USD

Style Analysis as of 03-31-2023

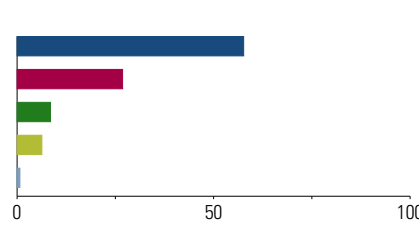
Morningstar Style Box™



Style Breakdown

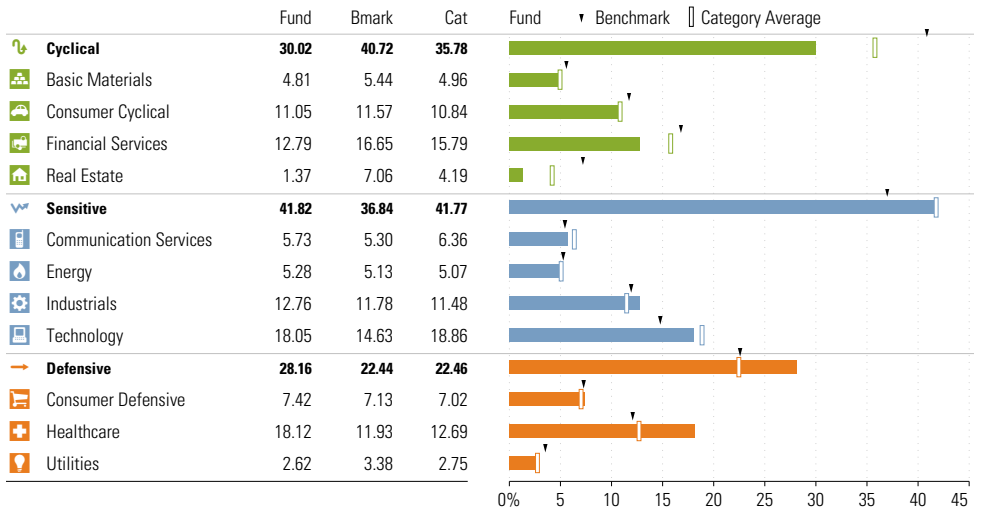


Asset Allocation as of 03-31-2023



Asset Class	Net %	Cat%
US Stocks	57.65	50.44
Non-US Stocks	26.84	32.50
Bonds	8.49	6.79
Cash	6.30	2.29
Other	0.71	7.99
Total	100.00	100.00

Sector Weighting as of 03-31-2023



Top 10 Holdings as of 03-31-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ American Funds SMALLCAP World R6	—	10.00	10.00	—	—
⊕ American Funds New Perspective R6	—	10.00	20.00	—	—
⊕ American Funds Fundamental Invs R6	—	9.00	29.00	—	—
⊕ American Funds Capital World Gr&Inc R6	—	9.00	38.01	—	—
⊕ American Funds Washington Mutual R6	—	8.00	46.01	—	—
⊕ American Funds Growth Fund of Amer R6	—	7.01	53.02	—	—
⊕ American Funds AMCAP R6	—	7.01	60.02	—	—
⊕ American Funds Invmt Co of Amer R6	—	7.00	67.03	—	—
⊕ American Funds American Balanced R6	—	6.00	73.03	—	—
⊕ American Funds Global Balanced R6	—	6.00	79.03	—	—

Total Holdings 16

⊕ Increase ⊖ Decrease ✨ New to Portfolio

American Funds New World R6 RNWGX

Morningstar Category
Diversified Emerging Mkts

Morningstar Index
MSCI 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
 Piyada Phanaphat since 01-2020
 Dawid Justus since 01-2020

Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 23.8 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.57 is 50.43% lower than the Diversified Emerging Mkts category average.

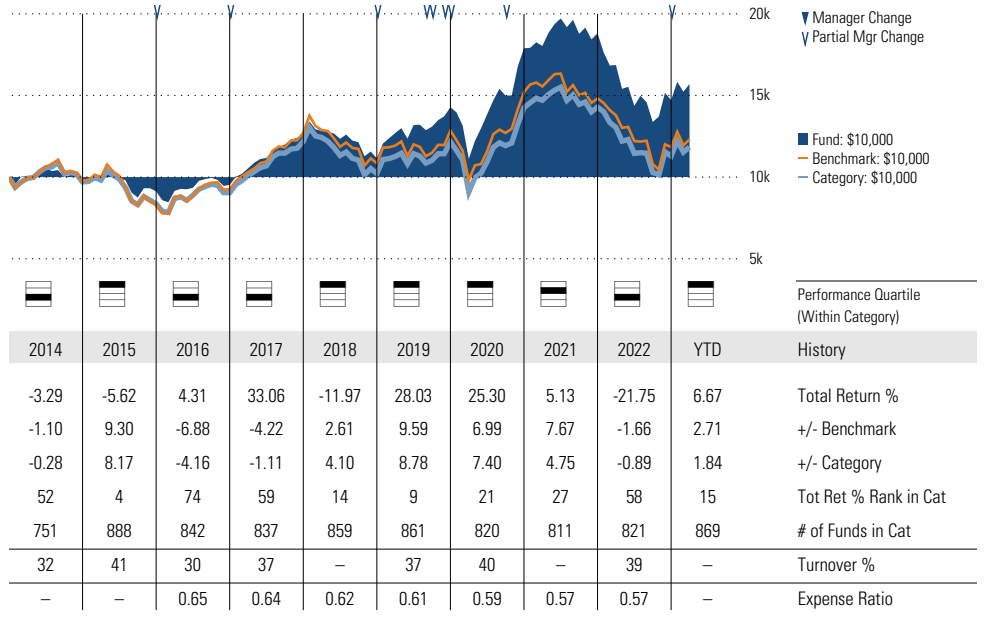
Morningstar Investment Management LLC Analysis

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.

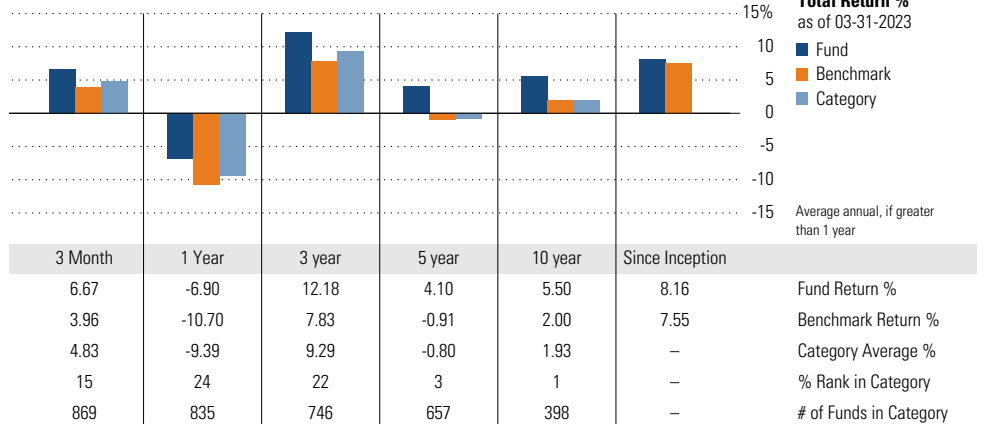
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	03-31-2023
Carbon Risk Score	Medium Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

Growth of \$10,000

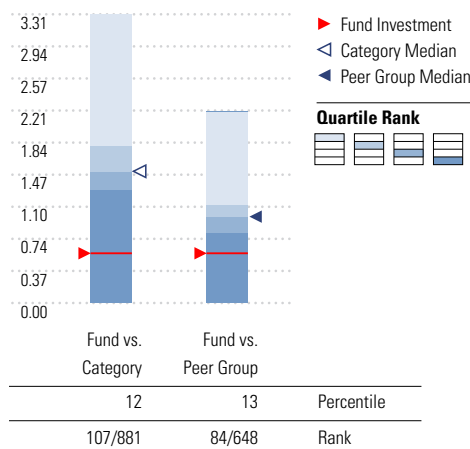


Trailing Performance



Metric	Rating	Updated
Sustainability Rating	3	03-31-2023
Carbon Risk Score	Medium Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

Net Expense



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

Metric	Fund	Bmark	Cat
Alpha	5.19	-	1.04
Beta	0.86	-	0.97
R-Squared	78.72	-	87.48
Standard Deviation	18.28	18.85	19.69
Sharpe Ratio	0.66	0.43	0.46
Tracking Error	8.83	-	6.78
Information Ratio	0.49	-	0.08
Up Capture Ratio	101.73	-	102.40
Down Capture Ratio	83.50	-	100.07

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	17.47	10.77	12.24
Price/Book Ratio	2.91	1.57	1.86
Geom Avg Mkt Cap \$B	55.87	34.04	43.04
ROE	22.78	17.99	18.95

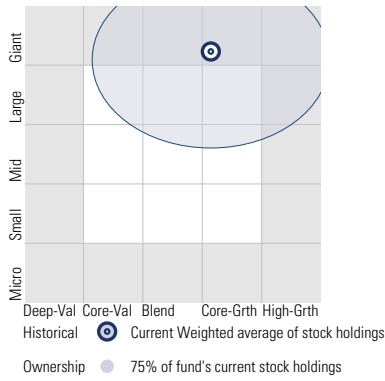
American Funds New World R6 RNWGX

Morningstar Category
Diversified Emerging Mkts

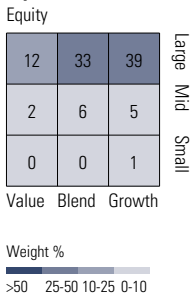
Morningstar Index
MSCI EM NR USD

Style Analysis as of 03-31-2023

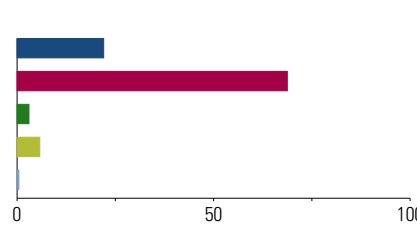
Morningstar Style Box™



Style Breakdown

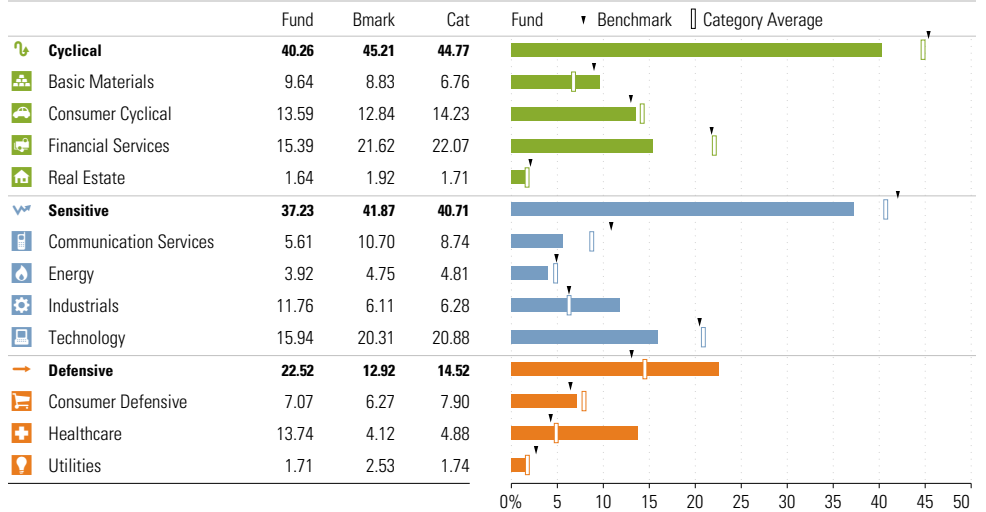


Asset Allocation as of 03-31-2023



Asset Class	Net %	Cat%
US Stocks	22.03	2.90
Non-US Stocks	68.75	95.11
Bonds	3.02	0.01
Cash	5.77	2.14
Other	0.44	-0.17
Total	100.00	100.00

Sector Weighting as of 03-31-2023



World Regions % Equity 03-31-2023



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	37.82	75.32	Americas	35.40	14.25	Greater Europe	26.77	10.42	Developed Markets	61.75
Japan	2.75	0.09	North America	26.03	2.76	United Kingdom	3.01	0.72	Emerging Markets	38.25
Australasia	0.69	0.03	Central/Latin	9.37	11.49	W euro-ex UK	21.27	1.96	Not Available	0.00
Asia-4 Tigers	7.62	25.78				Emrgng Europe	0.51	1.43		
Asia-ex 4 Tigers	26.76	49.42				Africa	1.98	6.31		
Not Classified	0.00	0.00								

Top 10 Holdings as of 03-31-2023

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Capital Group Central Cash Fund	5.77	5.77	—	—
⊖ Microsoft Corp	2.67	8.44	20.50	Technology
⊕ Novo Nordisk A/S Class B	2.29	10.74	16.63	Healthcare
⊕ Taiwan Semiconductor Manufacturing Co Ltd	2.02	12.75	19.45	Technology
⊕ LVMH Moët Hennessy Louis Vuitton SE	1.68	14.44	24.19	Consumer Cyclical
⊖ Kotak Mahindra Bank Ltd	1.57	16.01	-5.17	Financial Services
Airbus SE	1.49	17.50	11.04	Industrials
⊖ MercadoLibre Inc	1.33	18.83	55.75	Consumer Cyclical
⊖ AIA Group Ltd	1.24	20.07	-4.78	Financial Services
⊕ Sea Ltd ADR	1.17	21.24	66.35	Consumer Cyclical

Total Holdings 592

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Baird Aggregate Bond Inst BAGIX

Morningstar Category
Intermediate Core Bond

Morningstar Index
Bloomberg US Agg Bond TR USD

Portfolio Manager(s)

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

Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 22.52 years.

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.3 is 46.43% lower than the Intermediate Core Bond category average.

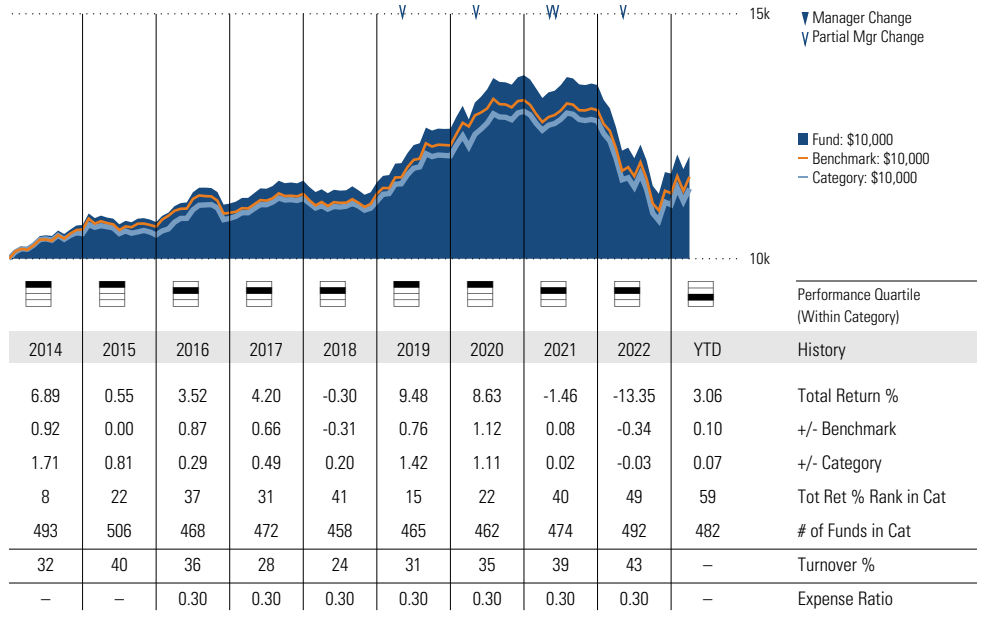
Morningstar Investment Management LLC Analysis

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

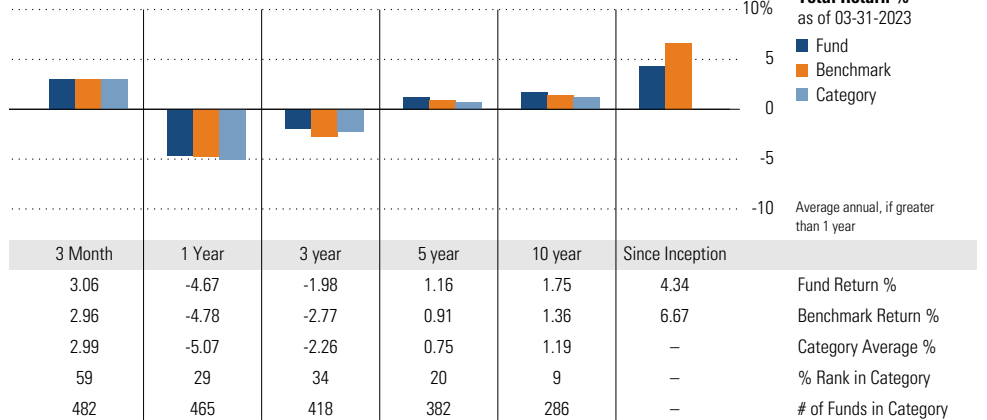
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	03-31-2023
ESG Commitment	1-Low	02-15-2022

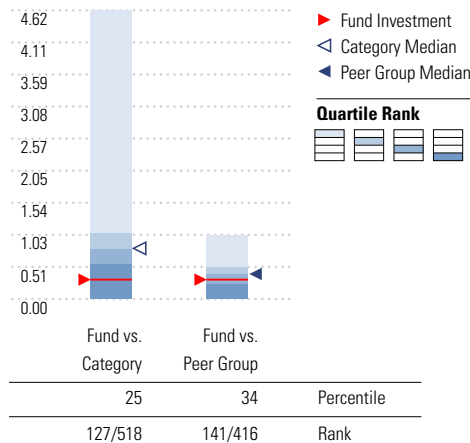
Growth of \$10,000



Trailing Performance



Net Expense



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

Metric	Fund	Bmark	Cat
Alpha	0.92	-	0.59
Beta	1.03	-	0.99
R-Squared	98.67	-	95.95
Standard Deviation	6.54	6.29	6.37
Sharpe Ratio	-0.45	-0.60	-0.50
Tracking Error	0.78	-	1.18
Information Ratio	1.01	-	0.32
Up Capture Ratio	111.68	-	104.43
Down Capture Ratio	99.95	-	96.96

Portfolio Metrics

Metric	Fund	Bmark	Cat
Avg Eff Duration	6.33	4.43	6.00
Avg Eff Maturity	8.35	-	8.46

Baird Aggregate Bond Inst BAGIX

Morningstar Category
Intermediate Core Bond

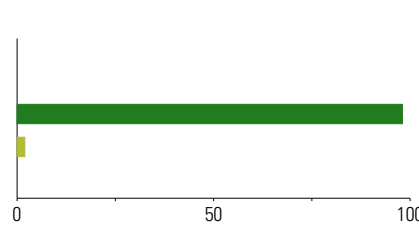
Morningstar Index
Bloomberg US Agg Bond TR USD

Style Analysis as of 03-31-2023

Style Breakdown



Asset Allocation as of 03-31-2023

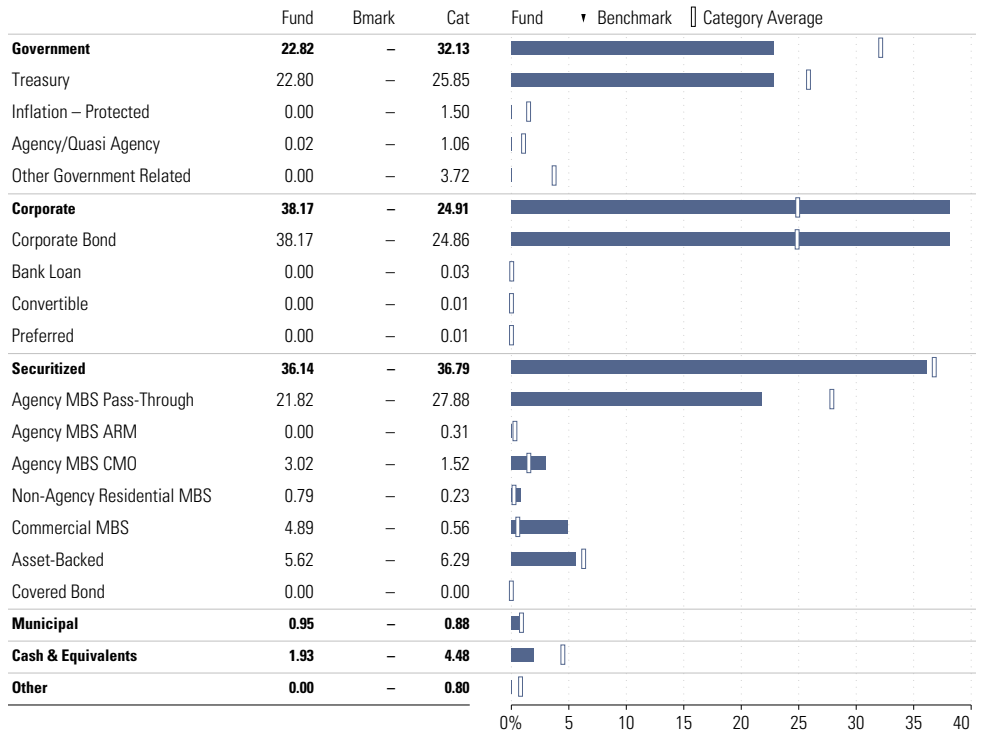


Asset Class	Net %	Cat%
US Stocks	0.00	0.09
Non-US Stocks	0.00	0.02
Bonds	98.04	95.20
Cash	1.97	3.36
Other	0.00	1.32
Total	100.00	100.00

Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	60.30	3.53	50.06
AA	3.80	74.59	11.69
A	12.60	10.82	23.47
BBB	23.10	8.32	13.19
BB	0.20	0.28	0.65
B	0.00	0.00	0.21
Below B	0.00	0.00	0.15
Not Rated	0.00	2.46	0.57

Sector Weighting as of 03-31-2023



Top 10 Holdings as of 03-31-2023

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ United States Treasury Bonds 2.5%	02-2045	3.37	3.37	-
⊖ United States Treasury Bonds 2.88%	05-2043	2.46	5.83	-
⊕ United States Treasury Notes 2.88%	05-2032	2.37	8.20	-
⊕ United States Treasury Notes 1.13%	10-2026	2.37	10.57	-
⊖ United States Treasury Notes 1.13%	08-2028	1.97	12.54	-
United States Treasury Bonds 1.38%	11-2040	1.91	14.44	-
⊕ First American Government Obligs U	02-2030	1.87	16.32	-
⊕ United States Treasury Notes 2.38%	03-2029	1.15	17.47	-
⊕ United States Treasury Notes 1.5%	02-2025	1.14	18.61	-
⊖ United States Treasury Notes 2.88%	06-2025	1.10	19.72	-

Total Holdings 1654

⊕ Increase ⊖ Decrease ✱ New to Portfolio

Federated Hermes Govt Ultrashort R6 FGULX

Morningstar Category
Ultrashort Bond

Morningstar Index
Bloomberg US Agg Bond TR USD

Portfolio Manager(s)

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

Quantitative Screens

✔ **Performance:** The fund has finished in the Ultrashort Bond category's top three quartiles in 5 of the 6 years it's been in existence.

✔ **Management:** The fund's management has been in place for 25.74 years.

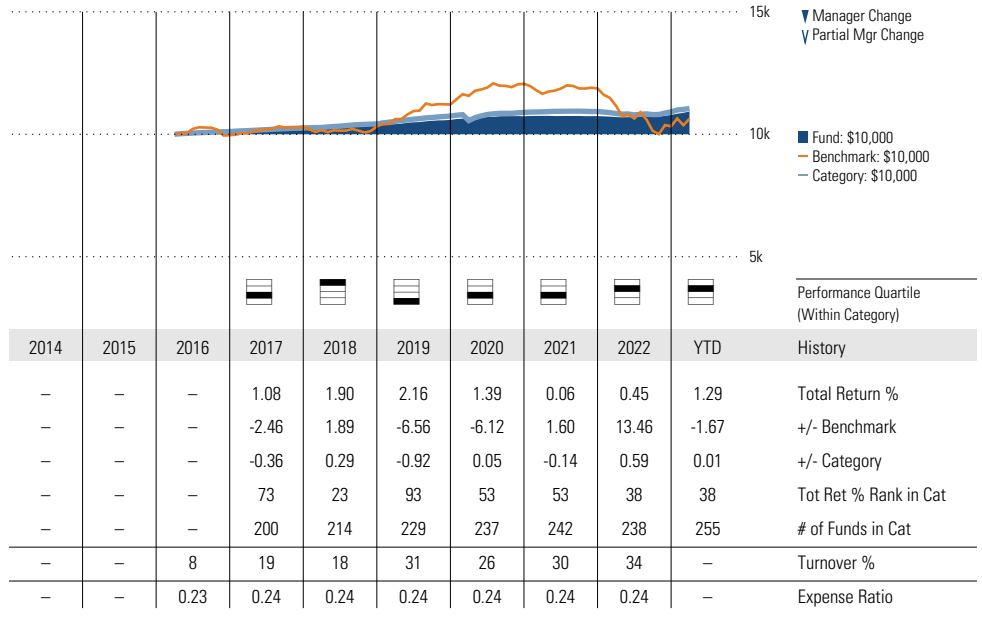
Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.24 is 46.67% lower than the Ultrashort Bond category average.

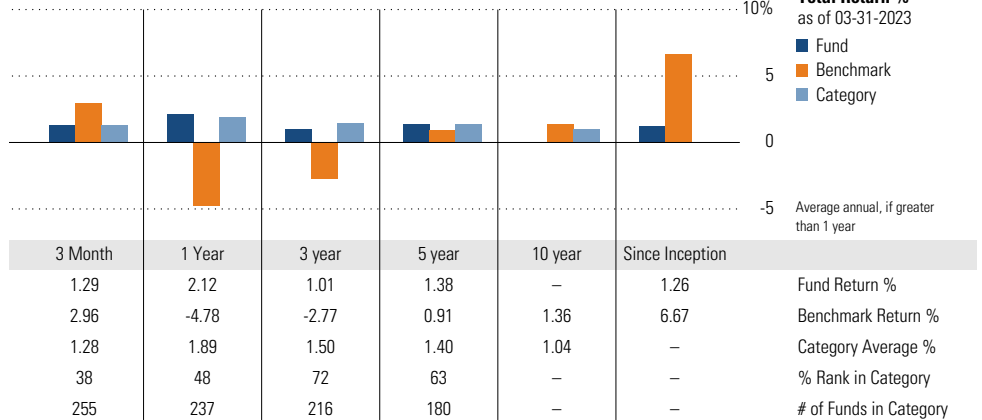
Morningstar Investment Management LLC Analysis

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

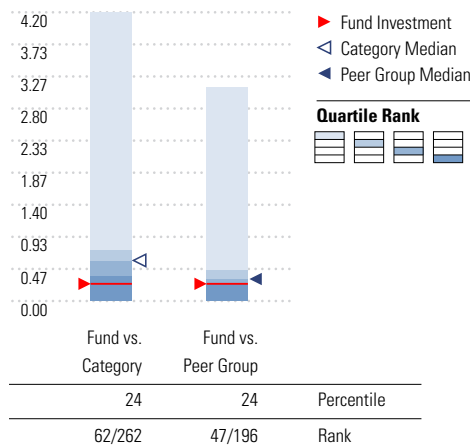
Growth of \$10,000



Trailing Performance



Net Expense



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	1.16	-	1.80
Beta	0.06	-	0.11
R-Squared	30.67	-	28.48
Standard Deviation	0.64	6.29	1.30
Sharpe Ratio	-0.26	-0.60	0.10
Tracking Error	5.96	-	5.74
Information Ratio	0.64	-	0.75
Up Capture Ratio	11.52	-	23.31
Down Capture Ratio	-2.07	-	1.33

Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	0.26	4.43	0.91
Avg Eff Maturity	5.30	-	1.90

Federated Hermes Govt Ultrashort R6 FGULX

Morningstar Category
Ultrashort Bond

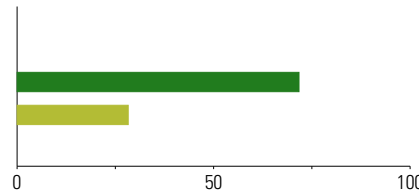
Morningstar Index
Bloomberg US Agg Bond TR USD

Style Analysis as of 03-31-2023

Style Breakdown



Asset Allocation as of 03-31-2023

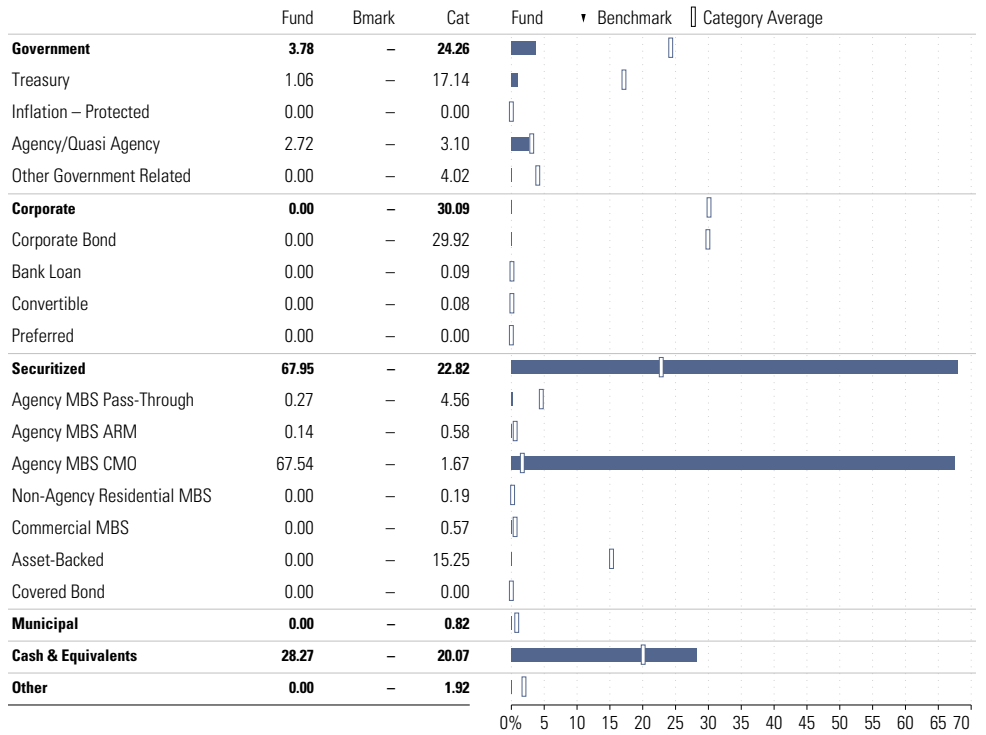


Asset Class	Net %	Cat%
US Stocks	0.00	0.17
Non-US Stocks	0.00	0.00
Bonds	71.73	68.64
Cash	28.27	31.04
Other	0.00	0.15
Total	100.00	100.00

Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	100.00	3.53	36.14
AA	0.00	74.59	7.53
A	0.00	10.82	20.05
BBB	0.00	8.32	19.36
BB	0.00	0.28	1.88
B	0.00	0.00	1.94
Below B	0.00	0.00	0.34
Not Rated	0.00	2.46	12.75

Sector Weighting as of 03-31-2023



Top 10 Holdings as of 03-31-2023

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ Bofam Repo 1 Repo	04-2023	13.14	13.14	-
⊕ Hsbc Repo 2 Repo	04-2023	7.57	20.70	-
⊕ Bank Of Montreal 3 Repo	04-2023	7.57	28.27	-
⊕ FEDERAL HOME LN MTG CORP MULTICLASS MTG PARTN CTFS GTD 4.82053%	12-2032	6.55	34.82	-
⊕ FEDERAL HOME LN MTG CORP MULTICLASS MTG PARTN CTFS GTD 5.08561%	12-2032	6.04	40.86	-
⊕ Government National Mortgage Association 5.12871%	01-2073	5.29	46.15	-
FEDERAL HOME LN MTG CORP MULTICLASS MTG PARTN CTFS GTD 5.44815%	10-2032	4.56	50.71	-
FEDERAL HOME LN MTG CORP MULTICLASS MTG PARTN CTFS GTD 5.40561%	11-2032	3.95	54.66	-
⊕ Government National Mortgage Association 5.20906%	01-2053	3.82	58.48	-
FEDERAL HOME LN MTG CORP MULTICLASS MTG PARTN CTFS GTD 5.40815%	11-2032	3.61	62.09	-

Total Holdings 182

⊕ Increase ⊖ Decrease ✱ New to Portfolio

MFS Mid Cap Growth R6 OTCKX

Morningstar Category
Mid-Cap Growth

Morningstar Index
Russell Mid Cap Growth TR USD

Portfolio Manager(s)

Eric Fischman since 11-2008
Eric Braz since 06-2021

Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 14.37 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.66 is 38.89% lower than the Mid-Cap Growth category average.

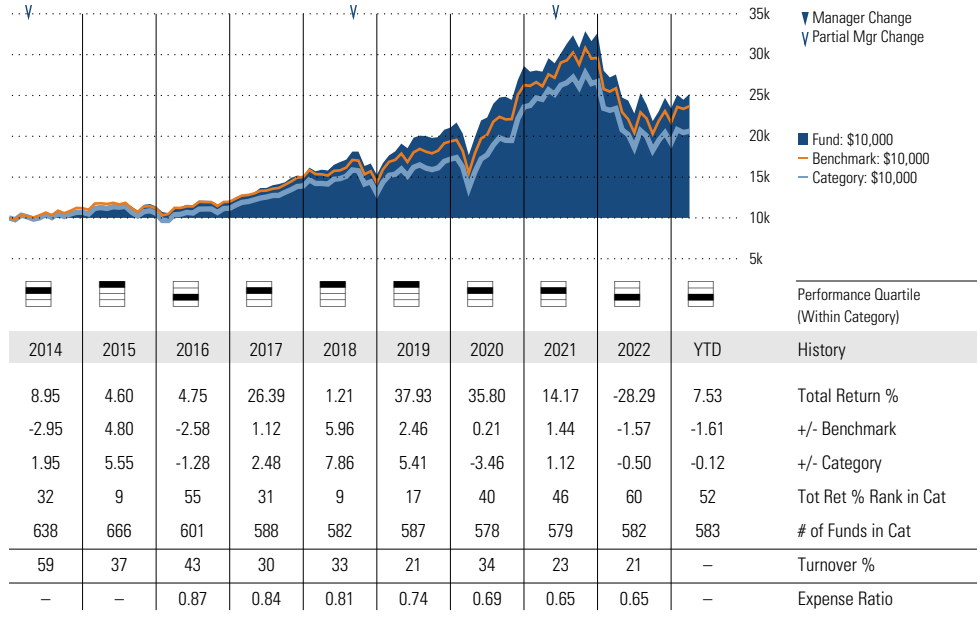
Morningstar Investment Management LLC Analysis

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

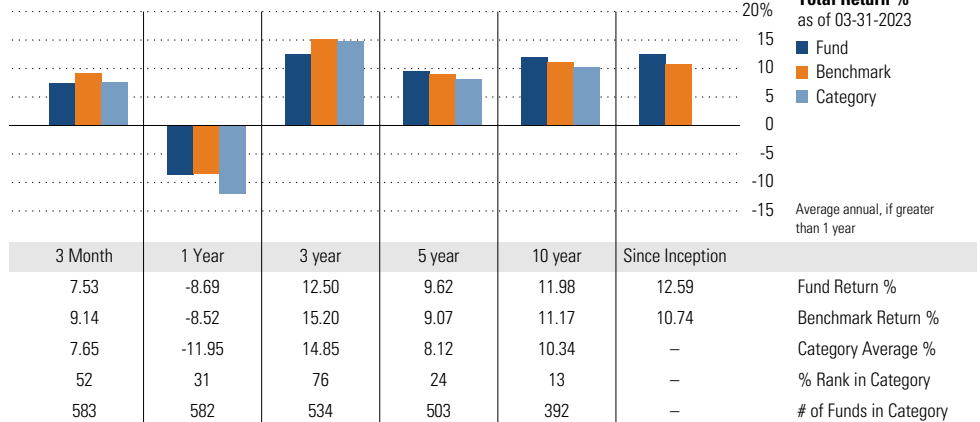
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	5	03-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	2-Basic	02-15-2022

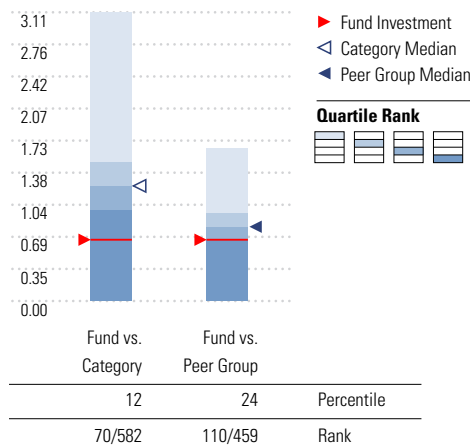
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-1.11	-	-0.20
Beta	0.91	-	0.98
R-Squared	93.89	-	90.77
Standard Deviation	21.60	23.08	23.92
Sharpe Ratio	0.60	0.68	0.64
Tracking Error	5.76	-	7.25
Information Ratio	-0.47	-	-0.24
Up Capture Ratio	94.13	-	98.57
Down Capture Ratio	100.70	-	100.96

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	30.10	23.95	24.30
Price/Book Ratio	5.06	5.97	3.89
Geom Avg Mkt Cap \$B	22.72	20.94	17.34
ROE	24.86	27.86	19.62

MFS Mid Cap Growth R6 OTCKX

Morningstar Category

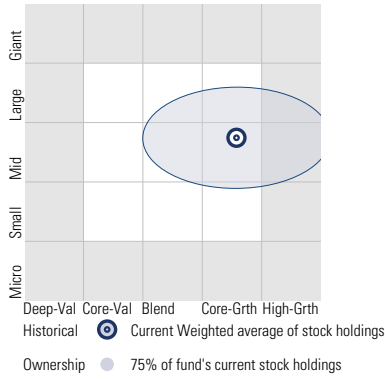
Mid-Cap Growth

Morningstar Index

Russell Mid Cap Growth TR USD

Style Analysis as of 03-31-2023

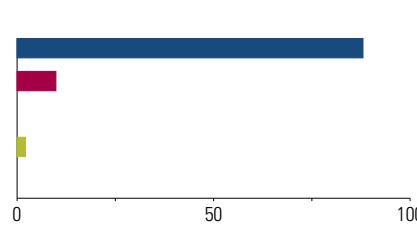
Morningstar Style Box™



Style Breakdown

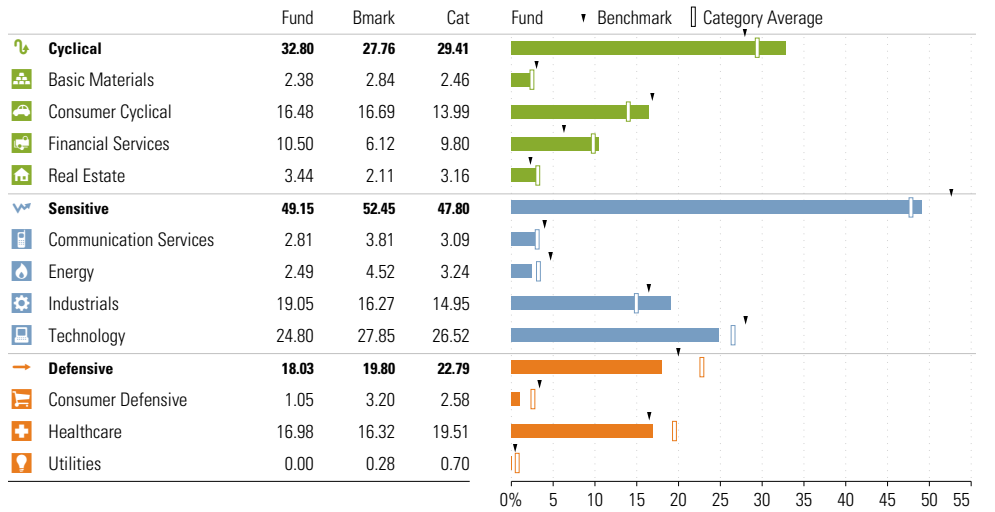


Asset Allocation as of 03-31-2023



Asset Class	Net %	Cat%
US Stocks	88.01	92.88
Non-US Stocks	9.87	4.14
Bonds	0.00	0.11
Cash	2.12	2.50
Other	0.00	0.38
Total	100.00	100.00

Sector Weighting as of 03-31-2023



Top 15 Holdings as of 03-31-2023

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Cadence Design Systems Inc	3.78	3.78	30.78	Technology
⊕ MSCI Inc	3.31	7.09	20.62	Financial Services
⊕ Monolithic Power Systems Inc	3.19	10.28	41.83	Technology
⊕ Arthur J. Gallagher & Co	3.00	13.28	1.76	Financial Services
⊕ AMETEK Inc	2.64	15.92	4.19	Industrials
⊕ Verisk Analytics Inc	2.37	18.29	8.94	Industrials
⊕ O'Reilly Automotive Inc	2.22	20.51	0.59	Consumer Cyclical
⊕ Wolters Kluwer NV	2.16	22.67	19.02	Industrials
⊖ Steris PLC	2.14	24.82	3.82	Healthcare
⊕ Currency Cash CASH_USD	2.12	26.94	—	—
⊕ Ulta Beauty Inc	2.07	29.01	16.33	Consumer Cyclical
⊕ Vulcan Materials Co	2.00	31.01	-1.78	Basic Materials
⊕ Icon PLC	1.87	32.87	9.96	Healthcare
⊕ NICE Ltd ADR	1.85	34.72	19.03	Technology
⊕ Constellation Software Inc	1.83	36.55	22.18	Technology

Total Holdings 86

⊕ Increase ⊖ Decrease ✨ New to Portfolio

PIMCO Commodity Real Ret Strat Instl PCRIX

Morningstar Category
Commodities Broad Basket

Morningstar Index
Bloomberg Commodity TR USD

Portfolio Manager(s)

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

Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 4.41 years.

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.76 is 27.62% lower than the Commodities Broad Basket category average.

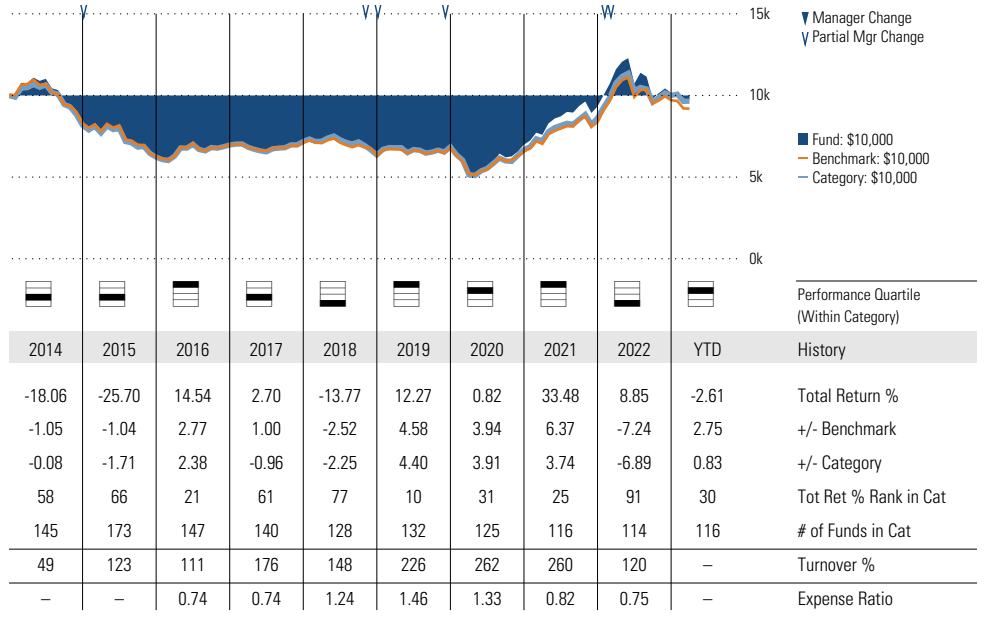
Morningstar Investment Management LLC Analysis

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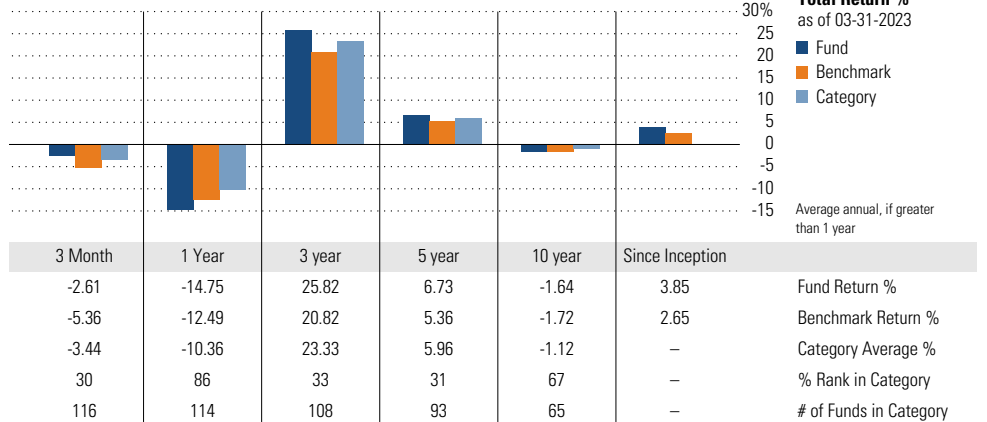
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	12-31-2022

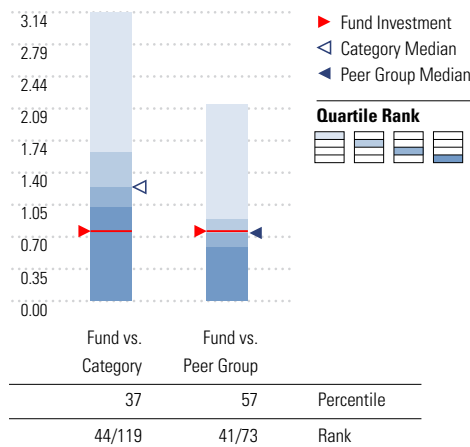
Growth of \$10,000



Trailing Performance



Net Expense



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

Metric	Fund	Bmark	Cat
Alpha	1.57	-	3.14
Beta	1.12	-	0.97
R-Squared	94.99	-	82.42
Standard Deviation	18.27	15.88	17.28
Sharpe Ratio	1.26	1.19	1.26
Tracking Error	4.52	-	6.83
Information Ratio	0.96	-	0.37
Up Capture Ratio	113.44	-	102.74
Down Capture Ratio	105.65	-	90.61

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	12.32	-	7.93
Price/Book Ratio	1.51	-	1.87
Geom Avg Mkt Cap \$B	20.09	-	44.07
ROE	16.78	-	27.17

PIMCO Commodity Real Ret Strat Instl PCRIX

Morningstar Category
Commodities Broad Basket

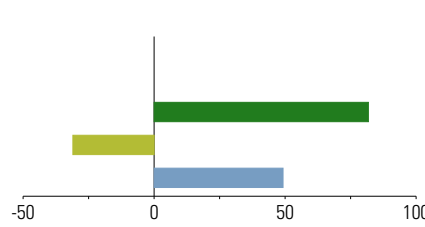
Morningstar Index
Bloomberg Commodity TR USD

Style Analysis as of 03-31-2023

Morningstar Style Box™

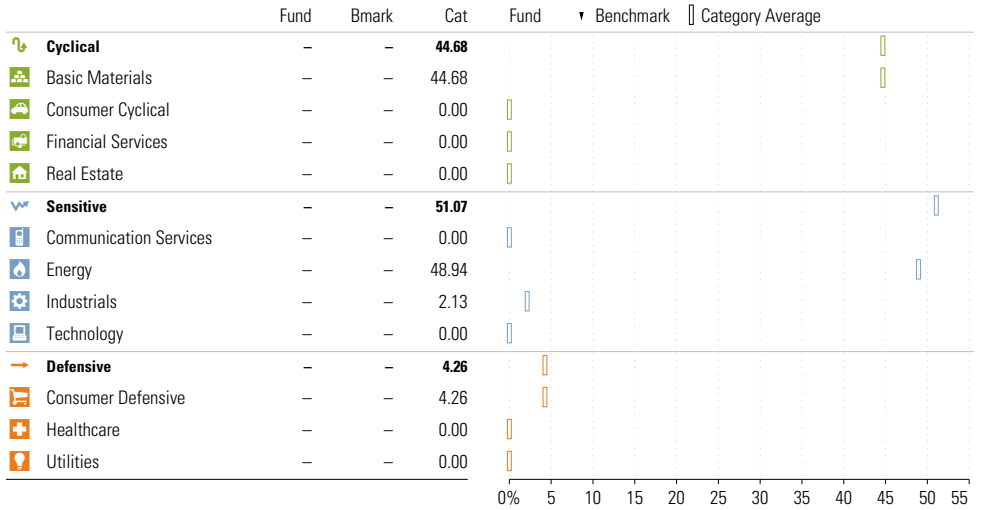


Asset Allocation as of 03-31-2023



Asset Class	Net %	Cat%
US Stocks	0.00	0.62
Non-US Stocks	0.00	0.76
Bonds	81.78	39.86
Cash	-31.00	50.62
Other	49.21	8.14
Total	100.00	100.00

Sector Weighting as of 03-31-2023



Style Breakdown



Top 15 Holdings as of 03-31-2023

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ 5 Year Treasury Note Future Mar 23	24.31	24.31	-	-
⊖ 2 Year Treasury Note Future Mar 23	18.13	42.44	-	-
✱ Cash Offset	16.46	58.90	-	-
⊖ Euro Schatz Future Mar 23	13.61	72.51	-	-
⊖ United States Treasury Notes 0.125%	12.16	84.67	-	-
⊖ 10 Year Treasury Note Future Mar 23	12.01	96.68	-	-
⊕ 3 Month Euribor TAS Future Mar 23	9.75	106.43	-	-
⊖ United States Treasury Notes 0.625%	9.70	116.12	-	-
⊖ U S TIPS REV REPO	9.31	125.43	-	-
⊖ U S TIPS REV REPO	8.88	134.31	-	-
⊕ TRS R 4.19/91282CDC2 MYC	7.79	142.10	-	-
⊕ Pimco Cayman Cmdty Fd Ltd Instl	7.24	149.34	-	-
⊕ United States Treasury Notes 0.125%	7.20	156.55	-	-
⊕ United States Treasury Notes 0.125%	6.28	162.82	-	-
⊖ US Treasury Bond Future Mar 23	5.85	168.67	-	-

Total Holdings 874

⊕ Increase ⊖ Decrease ✱ New to Portfolio

PIMCO International Bond (USD-Hdg) Instl PFORX

Morningstar Category
Global Bond-USD Hedged

Morningstar Index
Bloomberg US Agg Bond TR USD

Portfolio Manager(s)

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

Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 8.52 years.

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.51 is 29.17% lower than the Global Bond-USD Hedged category average.

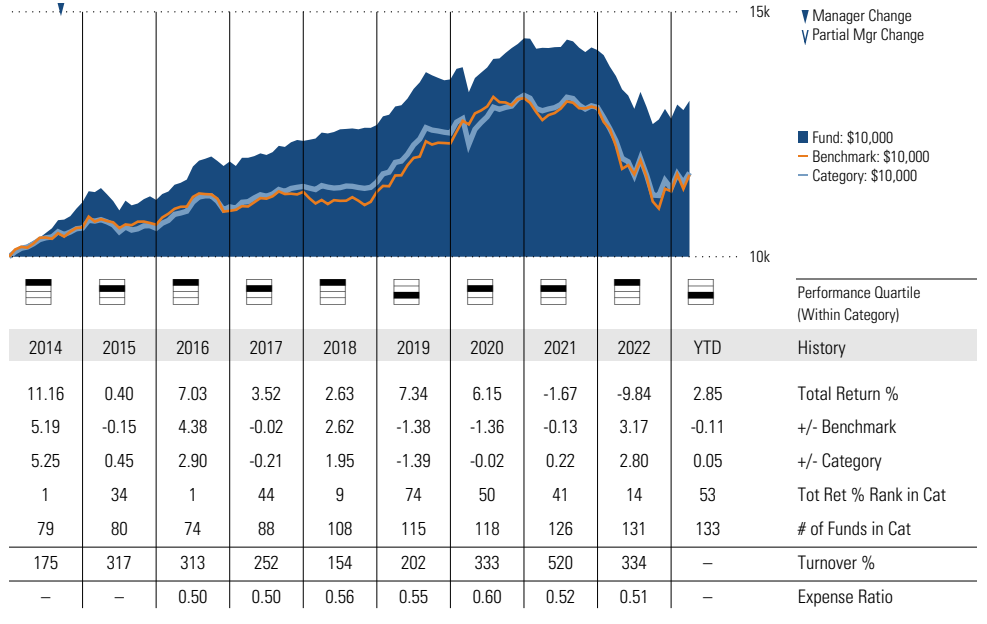
Morningstar Investment Management LLC Analysis

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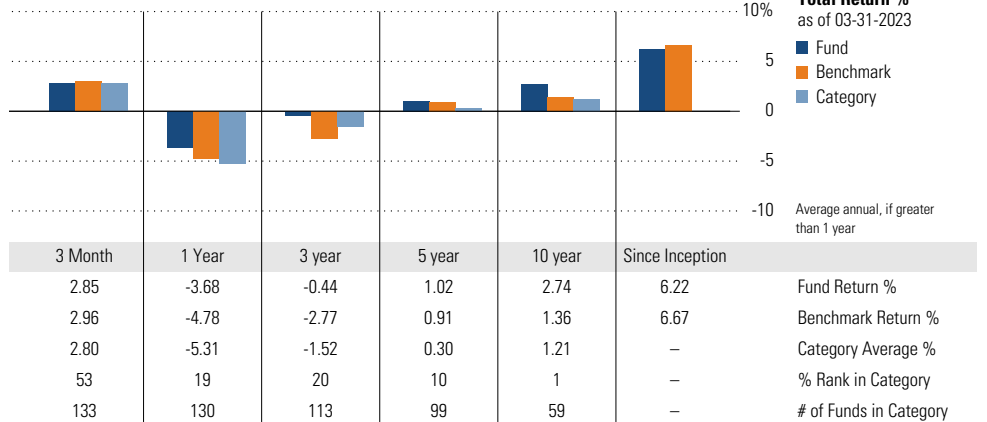
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	03-31-2023

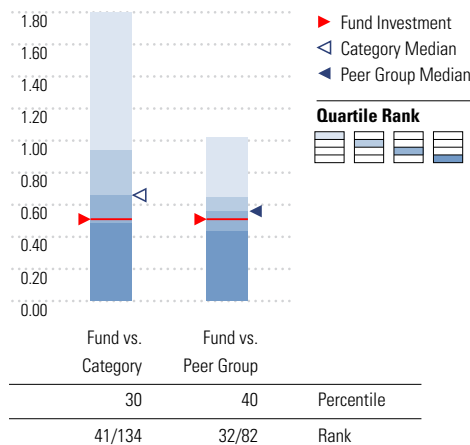
Growth of \$10,000



Trailing Performance



Net Expense



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

Metric	Fund	Bmark	Cat
Alpha	1.29	-	1.24
Beta	0.62	-	0.88
R-Squared	71.82	-	80.50
Standard Deviation	4.61	6.29	6.20
Sharpe Ratio	-0.32	-0.60	-0.38
Tracking Error	3.41	-	3.11
Information Ratio	0.68	-	0.54
Up Capture Ratio	72.69	-	102.61
Down Capture Ratio	56.51	-	86.07

Portfolio Metrics

Metric	Fund	Bmark	Cat
Avg Eff Duration	6.13	4.43	6.49
Avg Eff Maturity	7.22	-	8.06

PIMCO International Bond (USD-Hdg) Instl PFORX

Morningstar Category
Global Bond-USD Hedged

Morningstar Index
Bloomberg US Agg Bond TR USD

Style Analysis as of 03-31-2023

Style Breakdown



Asset Allocation as of 03-31-2023

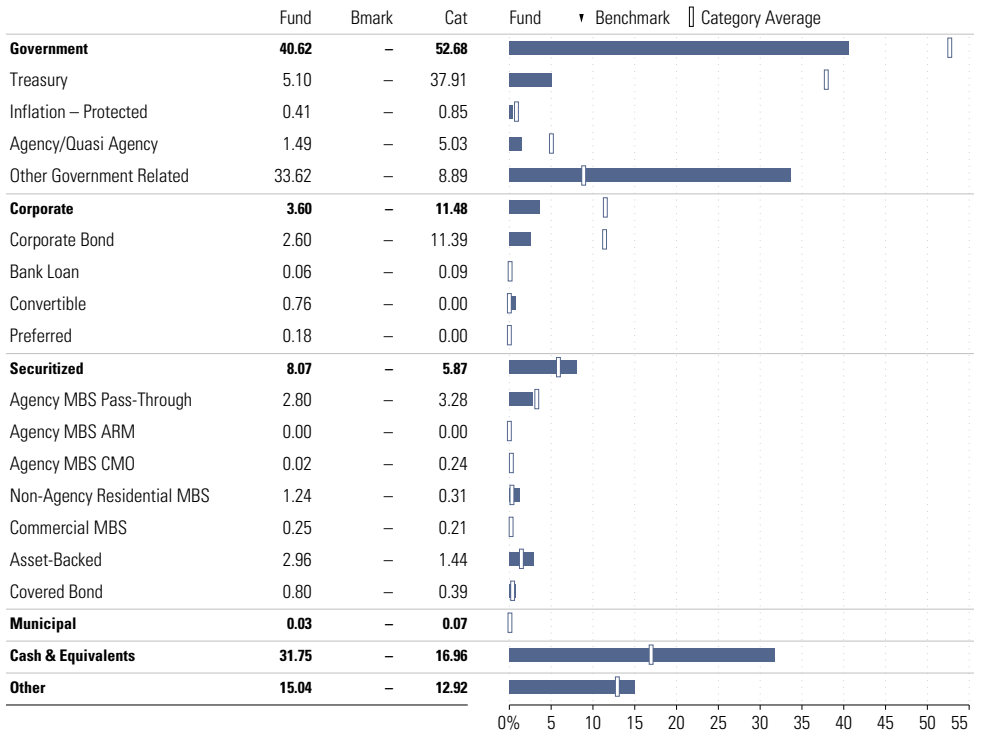


Asset Class	Net %	Cat%
US Stocks	0.00	0.00
Non-US Stocks	0.01	0.02
Bonds	109.83	91.62
Cash	-6.61	8.06
Other	-3.24	0.31
Total	100.00	100.00

Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	56.80	3.53	32.38
AA	13.68	74.59	12.66
A	16.98	10.82	22.96
BBB	7.77	8.32	19.86
BB	1.88	0.28	4.81
B	0.65	0.00	1.92
Below B	2.24	0.00	0.44
Not Rated	0.00	2.46	4.98

Sector Weighting as of 03-31-2023



Top 10 Holdings as of 03-31-2023

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊖ 3 Month SOFR Future Dec 23	03-2024	23.07	23.07	-
⊕ IRS EUR 1.50000 03/15/23-5Y LCH Pay	03-2028	21.27	44.34	-
⊕ IRS EUR 1.50000 03/15/23-5Y LCH Receive	03-2028	19.56	63.90	-
⊕ Euro Schatz Future Mar 23	03-2023	15.07	78.96	-
⊕ 3 Month SOFR Future June 23	09-2023	13.57	92.54	-
⊕ 3 Month SOFR Future June 24	09-2024	11.63	104.16	-
⊕ IRS EUR 1.75000 03/15/23-10Y LCH Pay	03-2033	10.93	115.09	-
⊖ RFR USD SOFR/1.75000 06/15/22-5Y LCH Pay	06-2027	10.68	125.77	-
⊖ Euro Bobl Future Mar 23	03-2023	9.90	135.67	-
⊖ RFR USD SOFR/1.75000 06/15/22-5Y LCH Receive	06-2027	9.79	145.46	-

Total Holdings 1646

⊕ Increase ⊖ Decrease ✱ New to Portfolio

Vanguard Inflation-Protected Secs Adm VAIPX

Morningstar Category
Inflation-Protected Bond

Morningstar Index
Bloomberg US Treasury US TIPS TR USD

Portfolio Manager(s)

John Madziyire since 11-2021

Quantitative Screens

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

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

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.1 is 82.76% lower than the Inflation-Protected Bond category average.

Morningstar Investment Management LLC Analysis

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

ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	03-31-2023

Growth of \$10,000



Trailing Performance



Net Expense



3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-0.06	-	0.93
Beta	0.99	-	0.90
R-Squared	99.65	-	92.97
Standard Deviation	7.02	7.10	6.63
Sharpe Ratio	0.11	0.12	0.29
Tracking Error	0.43	-	2.03
Information Ratio	-0.20	-	0.14
Up Capture Ratio	98.51	-	94.57
Down Capture Ratio	99.21	-	84.84

Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	6.86	4.52	6.46
Avg Eff Maturity	7.50	-	6.93

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

Vanguard Inflation-Protected Secs Adm VAIPX

Morningstar Category
Inflation-Protected Bond

Morningstar Index
Bloomberg US Treasury US TIPS TR USD

Style Analysis as of 03-31-2023

Style Breakdown



Asset Allocation as of 03-31-2023

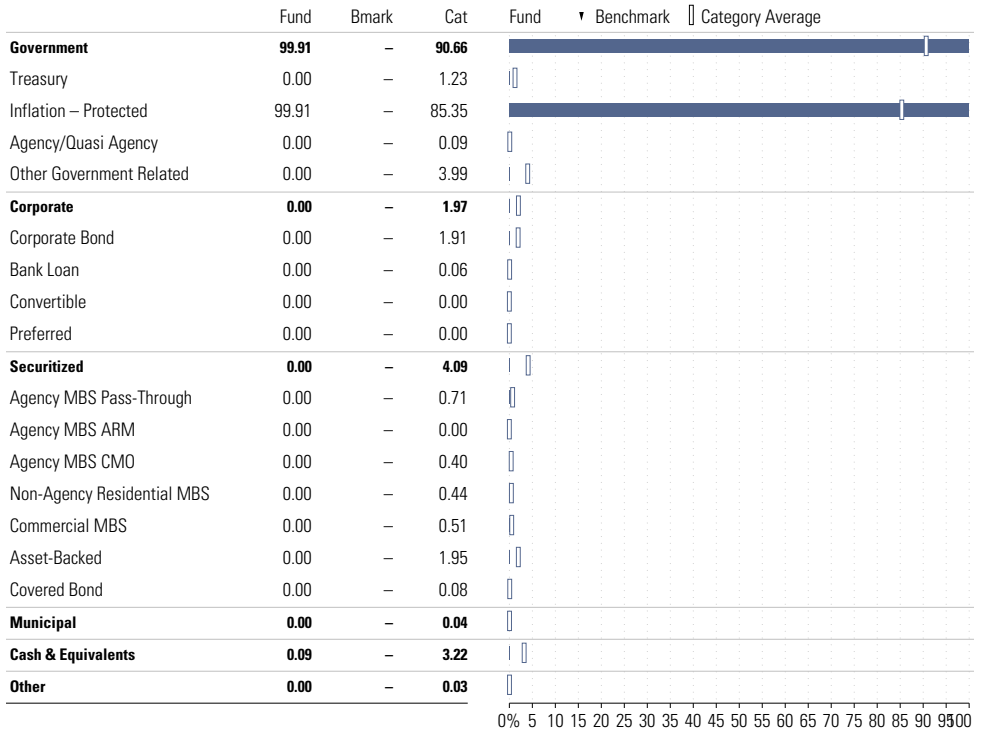


Asset Class	Net %	Cat%
US Stocks	0.00	0.00
Non-US Stocks	0.00	0.00
Bonds	99.94	96.60
Cash	0.06	3.10
Other	0.00	0.29
Total	100.00	100.00

Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	99.14	0.00	97.23
AA	0.00	99.60	0.21
A	0.00	0.00	0.52
BBB	0.00	0.00	0.98
BB	0.00	0.00	0.12
B	0.00	0.00	0.04
Below B	0.00	0.00	0.01
Not Rated	0.86	0.40	0.89

Sector Weighting as of 03-31-2023



Top 10 Holdings as of 03-31-2023

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ United States Treasury Notes	-	3.91	3.91	-
⊖ United States Treasury Notes	-	3.60	7.51	-
⊕ United States Treasury Notes	-	3.54	11.04	-
⊖ United States Treasury Notes	-	3.33	14.38	-
United States Treasury Notes	-	3.25	17.62	-
⊕ United States Treasury Notes	-	3.15	20.77	-
⊕ United States Treasury Notes	-	3.13	23.91	-
United States Treasury Notes	-	3.01	26.91	-
⊖ United States Treasury Notes	-	3.00	29.92	-
United States Treasury Notes	-	2.98	32.89	-

Total Holdings 50

⊕ Increase ⊖ Decrease ✱ New to Portfolio