

# **The Scorecard**

## **And other RPAG Fund Research Tools**

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# WHAT IS THE SCORECARD DESIGNED TO DO?



**Scorecard**

Core Lineup

Active	Asset Class	Ticker/ID	Style			Risk/Return			Peer Group		Qual	Score			
			Style Dnt	R <sup>2</sup>	Rsk/Return	Up/Down	Info Ratio	Return Rank	Info Ratio Rank	2pt Max		Q4 2022	Q3 2022	Q2 2022	Q1 2022
Large Cap Value III II (MFS Value)	LCV	97183W211										HIS	10	10	10
Strategy Equivalent												LCV	LCV	LCV	LCV
MFS Value R6	LCV	MEKX	-78.6/ 93.3	3.1	97.7	17.3/ 7.6	99.7/ 96.1	0.33	33.0	33.0	0.43	LCV	LCV	LCV	LCV
American Trust/DFA U.S. Micro Cap R1	SCB	F0000NCVD										OTH	OTH	OTH	4
PIMCO Total Return Admin	CFI	PTRAX	-2.1/ 44.4	15.9	95.7	5.2/ -0.2	97.8/ 101.6	-0.23	46.0	44.0	0.71	CFI	CFI	CFI	CFI
First American Prime Obligations D	MM	FPDXX										SPC	SPC	SPC	SPC
Virtus Duff & Phelps Glob RI Estl Sacs I	GRE	VGISX	-20.0/ 93.4	7.7	98.0	19.3/ 3.3	112.3/ 96.6	1.3	8.0	2.0	1.15	GRE	GRE	GRE	GRE

## THE RESULT:

It's a straightforward 10-point numerical scoring system that can be used to monitor funds and/or managers.





# SCORECARD SYSTEM OBJECTIVES



**Identify  
skillful  
managers**



**Enhance  
investment due  
diligence**



**Minimize  
exposure to  
fiduciary liability**



# SCORECARD BENEFITS



**Single, Easy to Understand Number**



**Drives Action when Applicable**

Integrated Directly into the IPS



**Easy Identification of Concern Areas**

# Categorizing Funds



Active

Passive

Asset  
Allocation

# Categorizing Funds



Analytics are customized to a fund's goals



All scores are built with pass/fail analytics, on a 0 to 10 scale (with 10 being the best)



Eighty percent of the fund's score is quantitative (made up of eight unique factors)

Incorporates modern portfolio theory statistics, quadratic optimization analysis, and peer group rankings



Twenty percent of the score is qualitative

Factors such as manager tenure, the fund's expense ratio, and the fund's strength of statistics (statistical significance).



# Active Funds

Utilize 5 years of  
monthly returns

What does the ideal  
active manager provide?

- Style purity
- Outperformance
- Strong peer group ranking
- Long track record

Industry standard  
benchmarks specific to  
each asset class

Custom RPAG peer  
groups that omit passive  
funds

# Active Funds

Weightings	Active Strategies	Maximum Points
Style Factors 30%	<b>Style Analysis:</b> Returns-based analysis to determine the style characteristics of a fund over a period of time. Fund passes if it reflects the appropriate style characteristics. Style analysis helps ensure proper diversification in the Plan.	1
	<b>Style Drift:</b> Returns-based analysis to determine the behavior of the fund/manager over multiple (rolling) time periods. Fund passes if the fund exhibits a consistent style pattern. Style consistency is desired so that funds can be effectively monitored within their designated asset class.	1
	<b>R-Squared:</b> Measures the percentage of a fund's returns that are explained by the benchmark. Fund passes with an R-squared greater than 80 percent. This statistic measures whether the benchmark used in the analysis is appropriate.	1
Risk/Return Factors 30%	<b>Risk/Return:</b> Fund passes if its risk is less than the benchmark or its return is greater than the benchmark. Favorable risk/return characteristics are desired.	1
	<b>Up/Down Capture Analysis:</b> Measures the behavior of a fund in up and down markets. Fund passes with an up capture greater than its down capture. This analysis measures the relative value by the manager in up and down markets.	1
	<b>Information Ratio:</b> Measures a fund's relative risk and return. Fund passes if ratio is greater than 0. This statistic measures the value added above the benchmark, adjusted for risk.	1
Peer Group Rankings 20%	<b>Returns Peer Group Ranking:</b> Fund passes if its median rank is above the 50 <sup>th</sup> percentile.	1
	<b>Information Ratio Peer Group Ranking:</b> Fund passes if its median rank is above the 50 <sup>th</sup> percentile. This ranking ranks risk-adjusted excess return.	1
Qualitative Factors 20%	Two points may be awarded based on qualitative characteristics of the fund. Primary considerations are given to manager tenure, fund expenses and strength of statistics, however, other significant factors may be considered. It is important to take into account non-quantitative factors, which may impact future performance.	2
<b>Total</b>		<b>10</b>



# Passive Funds

Utilize three years of monthly returns

What does an ideal passive manager provide?

- Very consistent style purity
- Tight benchmark tracking
- Low cost

No longer looking for outperformance

Industry standard benchmarks specific for each asset class

Custom RPAG peer groups that omit active funds

# Passive Funds

Weightings	Passive Strategies	Maximum Points
Style & Tracking Factors 40%	<b>Style Analysis:</b> Returns-based analysis to determine the style characteristics of a fund over a period of time. Fund passes if it reflects the appropriate style characteristics. Style analysis helps ensure proper diversification in the Plan.	1
	<b>Style Drift:</b> Returns-based analysis to determine the behavior of the fund/manager over multiple (rolling) time periods. Fund passes if the fund exhibits a consistent style pattern. Style consistency is desired so that funds can be effectively monitored within their designated asset class.	1
	<b>R-Squared:</b> Measures the percentage of a fund's returns that are explained by the benchmark. Fund passes with an R-squared greater than 95 percent. This statistic measures whether the benchmark used in the analysis is appropriate.	1
	<b>Tracking Error:</b> Measures the percentage of a fund's excess return volatility relative to the benchmark. Fund passes with a tracking error less than 4. This statistic measures how well the fund tracks the benchmark.	1
Peer Group Rankings 40%	<b>Tracking Error Peer Group Ranking:</b> Fund passes if its median rank is above the 75 <sup>th</sup> percentile.	1
	<b>Expense Ratio Peer Group Ranking:</b> Fund passes if its median rank is above the 75 <sup>th</sup> percentile.	1
	<b>Returns Peer Group Ranking:</b> Fund passes if its median rank is above the 75 <sup>th</sup> percentile.	1
	<b>Sharpe Ratio Peer Group Ranking:</b> Fund passes if its median rank is above the 75 <sup>th</sup> percentile.	1
Qualitative Factors 20%	Two points may be awarded based on qualitative characteristics of the fund. Primary considerations are given to fund expenses and strength of statistics, however, other significant factors may be considered. It is important to take into account non-quantitative factors, which may impact future performance.	2
<b>Total</b>		<b>10</b>



# Asset Allocation Funds

Target-date,  
risk-based,  
balanced funds,  
multi-sector bonds

## Similarities to active funds

- Use five years
- Are looking for outperformance
- Want a long track record
- Look for a high peer group ranking
  - Use a custom RPAG peer group

## What is different?

- Use style analytics to measure diversification by the manager
- RPAG custom style benchmarks

# Asset Allocation Funds

Weightings	Asset Allocation Strategies	Maximum Points
Style Factors 30%	<b>Risk Level:</b> The fund's standard deviation is measured against the category it is being analyzed in. The fund passes if it falls within the range for that category.	1
	<b>Style Diversity:</b> Fund passes if it reflects appropriate style diversity (returns-based) among the four major asset classes (Cash, Fixed Income, U.S. & International Equity) for the given category. <i>MSB</i> funds pass if reflect some level of diversity among fixed income asset classes (Cash, U.S. Fixed Income, Non-U.S. Fixed Income and High Yield/Emerging Markets).	1
	<b>R-Squared:</b> Measures the percentage of a fund's returns that are explained by the benchmark. Fund passes with an R-squared greater than 90 percent. This statistic measures whether the benchmark used in the analysis is appropriate.	1
Risk/Return Factors 30%	<b>Risk/Return:</b> Fund passes if its risk is less than the benchmark or its return is greater than the benchmark. Favorable risk/return characteristics are desired.	1
	<b>Up/Down Capture Analysis:</b> Measures the behavior of a fund in up and down markets. Fund passes with an up capture greater than its down capture. This analysis measures the relative value by the manager in up and down markets.	1
	<b>Information Ratio:</b> Measures a fund's relative risk and return. Fund passes if ratio is greater than 0. This statistic measures the value added above the benchmark, adjusted for risk.	1
Peer Group Rankings 20%	<b>Returns Peer Group Ranking:</b> Fund passes if its median rank is above the 50 <sup>th</sup> percentile.	1
	<b>Sharpe Ratio Peer Group Ranking:</b> Fund passes if its median rank is above the 50 <sup>th</sup> percentile. This ranking ranks risk-adjusted excess return.	1
Qualitative Factors 20%	Two points may be awarded based on qualitative characteristics of the fund. Primary considerations are given to manager tenure, fund expenses and strength of statistics, however, other significant factors may be considered. It is important to take into account non-quantitative factors, which may impact future performance.	2
<b>Total</b>		<b>10</b>



# Target Date Scorecard

Weightings	Target Date Fund Strategies	Maximum Points
<b>Asset Allocation Score (Average)</b> 50%	<p>The individual funds in this Score average require five years of time history to be included. See Asset Allocation strategies methodology for a detailed breakdown of the Scoring criteria. Funds without the required time history are not included in the Score average.</p> <p>The Funds included in this average are from the Conservative, Moderate Conservative, Moderate, Moderate Aggressive and Aggressive categories, where Funds (also referred to as “vintages”) are individually Scored according to their standard deviation or risk bucket.</p>	<b>5</b>
<b>Selection Score (Average)</b> 50%	<p><b>Active strategies:</b> The individual active funds in this Score average require five years of time history to be Scored. See Active strategies methodology for a detailed breakdown of the Scoring criteria. Funds without the required time history are not included in the Score average.</p> <p><b>Passive strategies:</b> The individual passive funds in this Score average require three years of time history to be Scored. See Passive strategies methodology for a detailed breakdown of the Scoring criteria. Funds without the required time history are not included in the Score average.</p>	<b>5</b>
<b>Total</b>		<b>10</b>

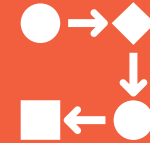
# Fund Research



**Fund Lookup**  
*Filters*



**Asset Class Review**



**Strategy Equivalent**




**Stable Value Analyzer**



**TDF Analyzer**





**Spotlight**

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**Q1 2024 Invoices**

Q1 2024 Invoices have been distributed. Please note you will be receiving invoices from [billing@rpag.com](mailto:billing@rpag.com). Q1 invoices are due by March 31st, 2024. Reach out to [billing@rpag.com](mailto:billing@rpag.com) for questions or concerns.

03-01-2024 03:21 PM

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**The Retireminute | March 5, 2024**

March brings a wealth of educational opportunities. Start watching the latest RPAG Scoop, secure your reservation for Regional Summits, and register for our upcoming fiduciary digital session. [See Here.](#)

03-05-2024 12:01 PM

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**March RPAG Scoop**

We are back with a slam dunk edition of the RPAG Scoop! Join

**My Activity (Next 30 Days)**

[Click here to load](#)

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**Revenue**

[Click here to load](#)

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My Calendar ⊕   RPAG Events ⊕   Advisor Consultations ⊕

[Click here to load](#)

## Fund Lookup ?

Enter ticker or fund name (separate multiple entries with a comma) 🔍 ×

We found **109438** results

Filters: Source: Open Architecture Product: All

Select All [Clear All](#)

<input type="checkbox"/>	<b>10*</b>	Large Cap Growth II R1 (JPMorgan LCG)	97183C371 LCG Exp: 0.39 Rev Sh: Net Inv: 0.39 IR: ESG: A
<input type="checkbox"/>	<b>10*</b>	Small Cap Growth III R1 (Voya SCG)	97184L206 SCG Exp: 0.58 Rev Sh: Net Inv: 0.58 IR: ESG: BBB
<input type="checkbox"/>	<b>10*</b>	Emerging Markets II R1 (BlackRock EM)	97184L487 EME Exp: 0.62 Rev Sh: Net Inv: 0.62 IR: ESG: A
<input type="checkbox"/>	<b>10*</b>	Small Cap Growth III R2 (Voya SCG)	97184L305 SCG Exp: 0.83 Rev Sh: Net Inv: 0.83 IR: ESG: BBB
<input type="checkbox"/>	<b>10*</b>	Emerging Markets II R2 (BlackRock EM)	97184L479 EME Exp: 0.87 Rev Sh: Net Inv: 0.87 IR: ESG: A
<input type="checkbox"/>	<b>10</b>	Metropolitan West Flexible Income M	MWFSX MSB Exp: 0.81 Rev Sh: Net Inv: 0.81 IR: 2 ESG:
<input type="checkbox"/>	<b>10</b>	JH USA Menu-Putnam Large Cap Value Y	VAUSA0LZ2J LCV Exp: 0.39 Rev Sh: Net Inv: 0.39 IR: 1.79 ESG:
<input type="checkbox"/>	<b>10</b>	Putnam VT Large Cap Value IA	04ABQ LCV Exp: 0.57 Rev Sh: Net Inv: 0.57 IR: 1.78 ESG:
<input type="checkbox"/>	<b>10</b>	MAP Sel-Large Cap Value Fund CL I1	VAUSA0NS15 LCV Exp: 0.29 Rev Sh: Net Inv: 0.29 IR: 1.76 ESG:
<input type="checkbox"/>	<b>10</b>	JH NY Menu-JHVIT Fundamental Large Cap Value I	VAUSA0LEJ2 LCV Exp: 0.47 Rev Sh: Net Inv: 0.47 IR: 1.75 ESG:

Showing 1 of 2189 Page(s) [Next>](#) [Last>>](#)



# Fund Lookup

### My Activity (Next 30 Days)

[Click here to load](#)

### Revenue

[Click here to load](#)

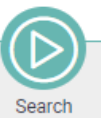
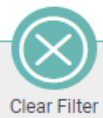
My Calendar ⊕ | RPAG Events ⊕ | Advisor Consulting

[Click here to](#)

## Fund Lookup

Enter ticker or fund name (separate multiple entries with a comma)

<p><b>Investment Source</b></p> <p>Open Architecture</p>	<p><b>Asset Class</b></p> <p>All</p>	<p><b>Expense Ratio</b></p> <p>0 ————— 2</p> <p>0.00      2.00</p>
<p><b>Product</b></p> <p>All</p>	<p><b>Strategy</b></p> <p>Select a Strategy</p>	
<p><b>Information Ratio</b></p> <p>-2 ————— 2</p> <p>-2.00      2.00</p>	<p><b>Minimum ESG Rating</b></p> <p>Select Rating</p>	<p><b>Score</b></p> <p>10</p> <p>0 ————— 10</p> <p>0      10</p> <p><input type="checkbox"/> Exclude Watchlist</p> <p><input type="checkbox"/> Exclude Under Review</p>
<p><b>Revenue Sharing</b></p> <p>0 ————— 2</p> <p>0.00      2.00</p> <p><input type="checkbox"/> Exclude</p>	<p><b>Share Class</b></p> <p>All</p> <p><input type="checkbox"/> Socially Responsible</p> <p><input type="checkbox"/> Closed to New Investors</p>	<p><b>Search For</b></p> <p><input checked="" type="checkbox"/> Funds</p> <p><input checked="" type="checkbox"/> Asset Allocation Series</p> <p><b>Series Type</b></p> <p>Select Type</p>



Clear Filter

Search

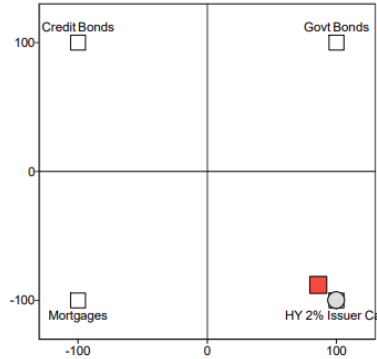
# Fund Lookup



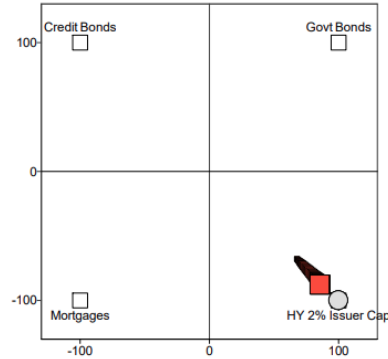
# Scorecard System

Scorecard - Active	Ticker/ ID	Style			Risk / Return			Peer Group		Qual. (2pt max)	Total Score
		Style	Style Drift	R <sup>2</sup>	Risk / Return	Up / Down	Info Ratio	Return Rank	Info Ratio Rank		
BrandywineGLOBAL High Yield I	BGHIX	1	1	1	1	1	1	1	1	2	10

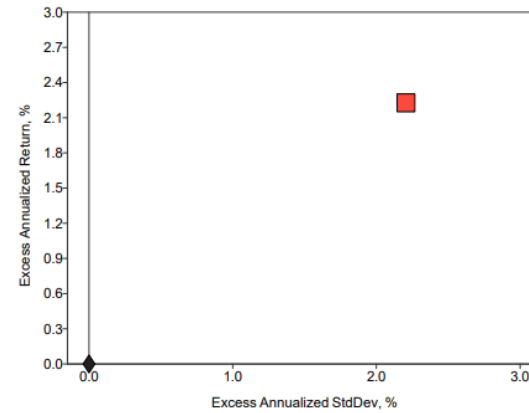
Average Style Jan 19 - Dec 23



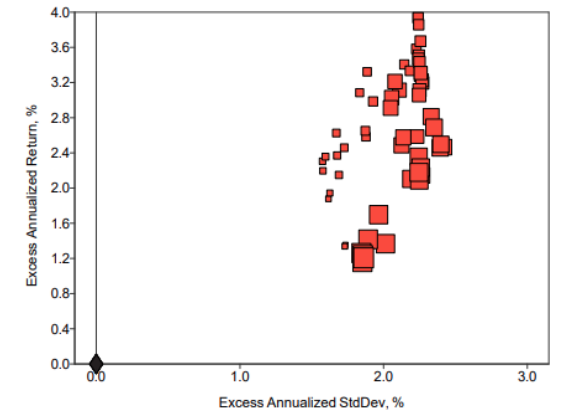
Style Drift 36 Month rolling windows, Jan 19 - Dec 23



Relative Risk Return Jan 19 - Dec 23



Rolling Relative Risk Return 36 Month rolling windows, Jan 19 - Dec 23



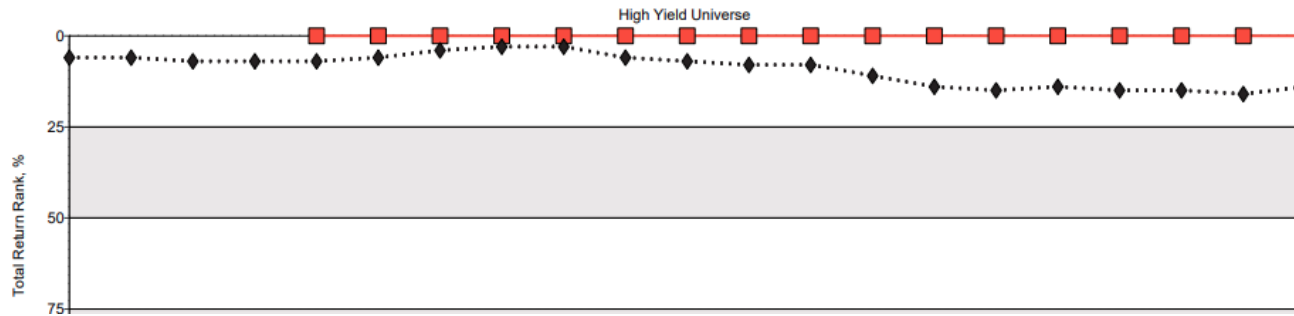
Exposures Jan 19 - Dec 23

	Asset Allocation: High Yield Map					Style				
	Cash	HY 2% Issuer Cap	Credit Bonds	Govt Bonds	Mortgages	Drift	Style: X	Style: Y	Style Score	Style Drift Score
■ BrandywineGLOBAL High Yield I	7.64	89.15	2.19	0.00	1.02	7.01	85.94	-87.98	1	1
◆ BB US HY 2% Issuer Cap	0.00	100.00	0.00	0.00	0.00		100.00	-100.00		
○ BB High Yield Corporate Bond	0.00	99.88	0.12	0.00	0.00		99.75	-99.75		

Summary Statistics Jan 19 - Dec 23

	Annualized Excess Return, %	Annualized Excess StdDev, %	Information Ratio	Significance Level, %	R <sup>2</sup>	Info Ratio Score
■ BrandywineGLOBAL High Yield I	2.23	2.21	1.01	98.17	94.64	1

Rolling 5 Year Return Rank 20 quarter rolling windows, Jan 14 - Dec 23



# Asset Class Review

# Returns Analysis

Performance as of 12/31/2023

## Core Lineup

Active	Ticker/ ID	QTR	YTD	Annualized Returns				Since Incept.	Share Class Inception	Strategy Inception	Expense Ratio	
				1 Year	3 Year	5 Year	10 Year				Gross	Net
<b>International/Global Equity</b>												
<b>Emerging Market Equity</b>												
Emerging Markets II R1 (BlackRock EM)	97184L487	8.89						4.14	6/5/2023	6/5/2023	0.62	0.62
SE: BlackRock Emerging Mkts Instl	MADCX	8.67	10.77	10.77	-5.99	5.52	3.72	6.40	9/1/1989	9/1/1989	1.01	0.87
MSCI EM (Emerging Markets) ND USD		7.86	9.83	9.83	-5.08	3.69	2.66					

# Score History

## Core Lineup

Active	Asset Class	Ticker/ ID	Score							
			Q4 2023	Q3 2023	Q2 2023	Q1 2023	Q4 2022	Q3 2022	Q2 2022	Q1 2022
Emerging Markets II R1 (BlackRock EM)	EME	97184L487	HIS	HIS	HIS	-	-	-	-	-
			-	-	-	-	-	-	-	-
Strategy Equivalent			10	10	10	10	10	10	10	10
BlackRock Emerging Mkts Instl	EME	MADCX	EME	EME	EME	EME	EME	EME	EME	EME

# Strategy Equivalents

## Step 1

### Stable Value Selection

View

## Step 2

Build report

### Stable Value Selection Show SV funds Show GIC funds

Search Fund

Select	Asset Class	Data As Of	Fund Name	Crediting Rate	Credit Quality	Wrap Providers	Duration (yr)	Total Expense	Returns 1yr	Returns 5yr	Market-to-Book	Manager Tenure (yr)
<input type="checkbox"/>	SV	Q4 2023	T. Rowe Price Stable Value Fund	3.31%	AAA	14	3.31	0.34%	2.65%	2.22%	94.00%	0
<input type="checkbox"/>	SV	Q4 2023	Stable Value R2 (Putnam Stable Value)	3.89%	AA-	8	2.98	0.56%	3.37%	2.61%	94.94%	26
<input type="checkbox"/>	SV	Q4 2023	Stable Value R1 (Putnam Stable Value)	3.89%	AA-	8	2.98	0.31%	3.37%	2.61%	94.94%	26
<input type="checkbox"/>	SV	Q4 2023	Stable Value I2 (Putnam Stable Value)	3.89%	AA-	8	2.98	0.56%	3.37%	2.61%	94.94%	26
<input type="checkbox"/>	SV	Q4 2023	Stable Value I1 (Putnam Stable Value)	3.89%	AA-	8	2.98	0.31%	3.37%	2.61%	94.94%	26
<input type="checkbox"/>	SV	Q4 2023	Putnam Stable Value Fund	3.84%	AA-	8	2.98	0.36%	3.32%	2.56%	94.94%	26
<input type="checkbox"/>	SV	Q4 2023	Principal Stable Value Fund	2.63%	AA-	10	3.30	0.33%	2.67%	2.10%	94.05%	24
<input type="checkbox"/>	GIC	Q4 2023	Principal Guaranteed Option	5.05%			6.84					25

Include incumbent SVA Series

### Industry Comparisons

Select one or more to include

Stable Value Median

GIC Median

Save

# Stable Value Analyzer



# TDF Series Selection

All

flexPATH Index

flexPATH Index+



Product Name	Risk Category	Risk Index Score	Average Underlying Score	Include
Fidelity Freedom	Aggressive	81	9	<input type="checkbox"/>
Fidelity Freedom Blend	Aggressive	81	8.9	<input type="checkbox"/>
Fidelity Freedom Index	Aggressive	81	9.5	<input type="checkbox"/>
Fidelity Freedom Index Target Date Series Instl Prem	Aggressive	81	9.3	<input type="checkbox"/>
Fidelity Freedom Target Date Series K6	Aggressive	81	8.9	<input type="checkbox"/>
flexPATH Index Aggressive	Aggressive	83	9.6	<input type="checkbox"/>
flexPATH Index Conservative	Conservative	49	9.6	<input type="checkbox"/>
flexPATH Index Moderate	Moderate	68	9.6	<input type="checkbox"/>
Franklin LifeSmart	Aggressive	85	7.5	<input type="checkbox"/>
Great Gray American Funds Target Date Series I	Aggressive	72	7.9	<input type="checkbox"/>
Great Gray T. Rowe Price Retirement Date Trust R1	Aggressive	85	7.8	<input type="checkbox"/>
Guidestone Funds MyDestination	Aggressive	84	8.4	<input type="checkbox"/>
GW Lifetime	Aggressive	74	8	<input type="checkbox"/>

Include incumbent TDF Series

# TDF Analyzer





R	P
A	G





# 2024 REGIONAL SUMMIT