thrivent

Morningstar Category

Long Government

Available in Thrivent Retirement Choice Variable Annuity

Benchmark

Bloomberg US Treasury Long TR

USD

Investment Information

The investment seeks maximum total return, consistent with preservation of capital and prudent investment management. The portfolio seeks to achieve its investment objective by investing under normal circumstances at least 80% of its assets in a diversified portfolio of fixed income securities that are issued or guaranteed by the U.S. government, its agencies or government-sponsored enterprises ("U.S. government securities"), which may be represented by forwards or derivatives such as options, futures contracts or swap agreements. Assets not invested in U.S. government securities may be invested in other types of Fixed Income Instruments.

Annual Net Operat	ing Expenses as of	08-02-24	
12b-1 Fee			0.25%
Prospectus Gross	2.11%		
Prospectus Net Expense Ratio			2.11%
Waiver Data	Туре	Exp. Date	%
—	—	—	

Portfolio Manager(s)

Stephen Rodosky. Since 2007. Michael Cudzil Since 2016

Operations and Management

Initial Class Inception Date	04-30-99
Advisor	Pacific Investment
	Management Company, LLC
Subadvisor	_

Risk Evaluation

3-Yr Risk Measures as of 12-31-24	Port Avg	Bmark	Cat Avg
Standard Deviation	16.12	16.08	15.88
Sharpe Ratio	-0.94	-0.98	-1.01
Information Ratio	0.54	_	-0.23
R-Squared	99.72	—	99.82
Beta	1.00		0.99
Alpha	0.54		-0.43

Volatility Analysis

	Investment			
Low	Moderate	High		
	A Category			

In the past, this investment has shown a relatively moderate range of price fluctuations relative to other investments. This investment may experience larger or smaller price declines or price increases depending on market conditions. Some of this risk may be offset by owning other investments with different portfolio makeups or investment strategies.



Portfolio Analysis

Top 10 Holdings as of 09-30-24	% Assets
Ultra 10 Year US Treasury Note F 12-20-24	22.45
United States Treasury Bonds 4% 11-15-52	17.96
United States Treasury Bon 1.125% 08-15-40	14.76
United States Treasury Bonds 3% 02-15-49	11.53
United States Treasury Bond 4.75% 11-15-43	6.78
5 Year Treasury Note Future Dec 01-01-25	5.29
United States Treasury Bonds 2% 02-15-50	5.27
United States Treasury Bon 3.125% 11-15-41	4.95
10 Year Treasury Note Future Dec 12-20-24	4.75
US Treasury Bond Future Dec 24 12-20-24	4.71
Total Number of Stock Holdings	0
Total Number of Bond Holdings	183
Annual Turnover Ratio %	170
Total Fund Assets (\$mil)	422.11

	Ξ	Avg Eff Duration	14.9
	High	Avg Eff Maturity	20.5
	Med		
	Low		

% Fund	% Category
58.53	61.95
0.03	0.12
9.66	15.82
0.00	0.00
31.78	17.69
0.00	4.42
	58.53 0.03 9.66 0.00 31.78

Credit Analysis: % Bonds as of 00.30.24

Great Analysis. // Donus as 01 05-30-24						
	AAA	97	BB	0		
	AA	3	В	0		
	A	0	Below B	0		
	BBB	0	Not Rated	0		



Annualized total returns are based on the change in unit values at the portfolio level for the time period mentioned. All data represents past performance and does not guarantee future results. Current performance may be lower or higher than the performance quoted. The past performance shown is based on the change in unit values of the Portfolios, and effects of compounding. The performance returns are based solely on the increase or decrease in the value of these units. Both the investment return and the principal value of an investment fluctuate so that units, when redeemed, may be worth more or less than the original investment. Investing involves risk, including the possible loss of principal. The prospectus and summary prospectuses of the variable annuity contract and underlying investment options contain more information on the investment objectives, risks, charges and expenses, which investors should read carefully and consider before investing. For performance results current to the most recent month-end, please contact your financial professional or visit the Variable Annuity Reference Center at thrivent.com.

Bonds are subject to interest rate risk. As the prevailing level of bond interest rates rise, the value of bonds already held in a portfolio declines. Portfolios that hold bonds are subject to declines and increases in value due to general changes in interest rates. These and other risks are described in the prospectus.



Glossary of Terms

(Not all terms appropriate for this specific portfolio.)

Alpha is a measure of the difference between a portfolio's actual returns and its expected performance, given its level of risk as measured by beta.

Annual Net Operating Expenses includes the fees and expenses associated with the underlying portfolio.

Beta is a measure of a portfolio's sensitivity to market movements.

Credit Analysis For corporate-bond and municipal bond funds, the credit analysis depicts the quality of the U.S. and non-U.S. issuers of the underlying bonds in the fund's portfolio. Credit quality can influence the returns of portfolios that invest heavily in bonds. The Credit Analysis graph shows the perceptage of fund assets that are invested in each of the major credit ratings, as determined by Standard & Poor's or Moody's. At the top of the ratings are AAA bonds. Bonds within a BBB rating are the lowest bonds that are still considered to be of investment grade. Bonds that are rated at or lower than BB (often called junk bonds or high-vield bonds) are considered to be quite speculative and are more risky than higher-rated credits. Any bonds that appear in the NR/NA category are either not rated by Standard & Poor's or Moody's or did not have a rating available. These ratings are subject to change. These ratings apply only to the credit worthiness of the issuers of the underlying securities and do not apply to any fund or its shares.

Duration is a measure of a portfolio's sensitivity to changes in interest rates; the longer the portfolio's duration, the more sensitive it is.

Expense Ratio is the percentage of portfolio assets used to pay for operating expenses and management fees, including 12b-1 fees, administrative fees and all other asset-based costs incurred by the portfolio.

Geometric average cap is the geometric mean of the market capitalization for all the stocks the portfolio owned.

Inception date is when the investment option became part of the separate account.

Income ratio is calculated by dividing the portfolio's net investment income by its NAV (net average value). The portfolio's year-end income ratio reveals the percentage of current income earned per share.

Information ratio is a risk-adjusted performance measure. The information ratio is a special version of the Sharpe ratio in that the benchmark doesn't have to be the risk-free rate.

Market capitalization is a measure of the size of the companies held in the portfolio, calculated by multiplying a company's total outstanding shares by the stock price. Market cap ranges change as stock market valuations shift over time. In general, market cap ranges of approximately \$1-\$5 billion represent small cap stocks, \$5-\$15 billion represent large cap stocks.

• Weighted average market capitalization is the average size of the companies held in the portfolio, based on the market value of each company's stock, weighted by the position size.

• **Median market capitalization** is the median size of the companies held in the portfolio. The median market cap is the midpoint; half of the companies held in the portfolio are larger and half are smaller than the median.

Maturity is the average effective maturity, which is a weighted average of all the maturities of the bonds in a portfolio, computed by weighting each maturity date by the market value of the security.

Morningstar Style Box[™] reveals a portfolio's investment style. For equity funds the vertical axis shows the market capitalization of the long stocks owned and the horizontal axis shows investment style (value, blend, or growth). For fixedincome funds, the vertical axis shows the credit quality of the long bonds owned and the horizontal axis shows interest rate sensitivity as measured by a bond's effective duration.

Mortality and Expense (M&E) is the percentage of the portfolio's assets that the insurance company deducts to cover costs associated with mortality and expense risk.

Price/Book (P/B) ratio is the weighted average of the price/book ratios of all the stocks in a portfolio. The P/B ratio is calculated by dividing the market price of its stock by the company's per-share book value.

Price/Cash (P/C) ratio represents the weighted average of the price/cash-flow ratios of the stocks in a portfolio. It shows the ability of a business to generate cash and acts as a gauge of liquidity and solvency.

Price/Earnings (P/E) ratio is a stock's current price divided by the company's trailing 12-month earnings per share.

R-squared reflects the percentage of a portfolio's movements that can be explained by movements in its benchmark.

Return on Equity (ROE) is a measure of corporate profitability that shows how much net income the companies in the portfolio have generated as a percentage of shareholder equity.

Risk potential is categorized into five levels: Conservative, Moderately Conservative, Moderate, Moderately Aggressive, and Aggressive, ranking from lower risk potential to higher risk potential. Portfolios on the lower risk portion of the scale (Conservative, Moderately Conservative) are expected to have a lower degree of volatility and price fluctuations, while those on the higher risk portion of the scale (Aggressive, Moderately Aggressive) are expected to have a higher degree of volatility and price fluctuations.

Sharpe ratio uses standard deviation and excess return to determine reward per unit of risk.

Standard deviation is a statistical measure of the volatility of the portfolio's returns.

Turnover ratio of a portfolio is a decent proxy for how frequently a manager trades his or her portfolio.

Morningstar Category

Long-government portfolios have at least 90% of their bond holdings invested in bonds backed by the U.S. government or by government-linked agencies. This backing minimizes the credit risk of these portfolios, as the U.S. government is unlikely to default on its debt. They are not risk-free, though. Because these portfolios have durations of typically more than 6.0 years, they are more sensitive to interest rates, and thus riskier, than portfolios that have shorter durations. Morningstar calculates monthly breakpoints using the effective duration of the Morningstar Core Bond Index in determining duration assignment. Long term is defined as 125% of the three-year average effective duration of the MCBI.

Bloomberg US Treasury Long TR USD: The index measures the performance of public obligations of the U.S. Treasury with maturities of 10 years and greater, including securities roll up to the U.S. Aggregate, U.S. Universal, and Global Aggregate Indices.

Performance

Annualized total returns are based on the change in unit values at the subaccount level for the time period mentioned. Values do not include surrender charges or the deduction of the current mortality and expense risk charge or any other contract charges. All values reflect the annual net operating expenses which are subject to change. Total returns are calculated from the date the subaccount was made available through the separate account used with this contract.

If the administrative charge or any optional living or death benefits had been included, the total returns figures shown would be lower. Subaccount total return calculations assume an initial investment of \$1,000. See the Retirement Choice Variable Annuity product prospectus, portfolios' prospectuses and summary prospectuses for more information.

Important Information

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