



STATE OF NEVADA
457(b) Deferred Compensation and OBRA Plans
September 30, 2023 Performance Report

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TABLE OF CONTENTS

Section 1 Market Overview

Section 2 Plan Reviews

Plan Review – Combined 457(b) DC Plans

Plan Review – State Employees 457(b) DC Plan

Plan Review – Political Subdivisions 457(b) DC Plan

Plan Review – Nevada System of Higher Education 457(b) DC Plan

Plan Review – FICA Alternative OBRA Plan

Section 3 Investment Performance Review

Section 4 Plan Fee/Revenue Reviews

Plan Fee/Revenue Review – Combined 457(b) DC Plans

Plan Fee/Revenue Review – FICA Alternative OBRA Plan

Section 5 Fund Attributions

**GLOBAL ECONOMIC LANDSCAPE**

- While consumers' cumulative savings from the pandemic have been in decline for multiple quarters, recent upward data revisions by the Bureau of Economic Analysis suggest they still maintain a sizeable cushion of roughly \$1.75 trillion in excess personal savings. Although interest expenses exceed interest income for US consumers, the difference represents only 6.3% of total income. This data collectively indicates that households may retain more buying power and healthier balance sheets than previously thought.¹
- Germany, which accounts for nearly a third of the Eurozone's GDP and a quarter of the MSCI Eurozone Index's equity market capitalization, fell into technical recession this year after two consecutive quarters of negative growth. Unsurprisingly, given that nearly 20% of the country's GDP is linked to manufacturing, Russia's invasion of Ukraine, with its implications for energy markets, has had an especially strong impact on Germany. More than a year and a half since the invasion, investors are still grappling with elevated natural gas prices. While the worst-case scenario may have been avoided, natural gas prices—significant contributors to electricity costs—remain a problem for Germany's energy-intensive industries.²
- Beijing's policymakers rolled out a slew of capital market support measures in August, following up on the July Politburo meeting mandate to "invigorate the capital market". They included, in particular, cutting stamp duty on securities transactions (the first time since 2008), and restricting share disposals by controlling shareholders. Meanwhile, incoming economic data shows growth has likely troughed in July and a cyclical mini uptick in growth seems to be unfolding. However, investor sentiment remains subdued and the market's reaction lukewarm.³
- Among major central banks, the Bank of Japan (BoJ) has stood as an outlier, seeking to stimulate the domestic economy to deliver sustainable positive inflation. To do so, the BoJ has maintained a yield cap on 10-year sovereign bonds. While recently increased to 1.0% from 0.5%, the BoJ has intervened through large-scale asset purchases to defend these levels. BoJ policymakers continued these commitments at its last policy meeting. On net, these developments may have caused other developed market yields to move higher, counteracting restrictive policy from other central banks. The Japanese yen has returned to last year's relative lows vs. the US dollar, the weakest since 1990.⁴

FIXED INCOME MARKETS

- Over 50% of marketable Treasury debt will mature over the next three years. Should interest rates remain higher, this setup can mechanically lead to increased interest costs and could push deficits higher in coming years. With the Fed focused on inflation, amid still-solid economic growth, the backdrop has changed

¹Source: Morgan Stanley, *Staring into the Abyss*, September 29, 2023

²Source: Morgan Stanley, *Has the German Economic Model Stalled?* September 27, 2023

³Source: Morgan Stanley, *China Musings*, September 28, 2023

⁴Source: Morgan Stanley, *Studying Drivers of Recently Higher Treasury Yields*, September 27, 2023

dramatically from the past 15 years. Following the Global Financial Crisis and through 2021, accommodative Fed policy, including Quantitative Easing, held long-term Treasury yields low, which limited the consequences of deficit spending. While Quantitative Easing depressed Treasury term premiums, their recent move higher likely reflects investors' assessment about future Treasury refinancing. Because of the "spread" pricing of most other fixed income instruments, higher Treasury yields could mean higher debt costs for corporate and consumer borrowers over the intermediate horizon.⁵

- The repricing of interest rates has finally fully hit the long end of the yield curve, with the past 18 months representing one of the worst drawdowns for US Treasuries in 32 years. With the cumulative rate change of more than 500 basis points, total returns for long-maturity Treasuries have declined as much as 40%—a bear market not experienced in the prior three decades. While this is generating pain for holders of these bonds, in another sense, it is creating opportunity, as value—especially on a nominal-dollar-versus-par basis—suggests potential for attractive returns ahead.⁶
- Despite slowing economic growth and reduced appetite from China and Japan, aggregate foreign demand for US Treasury holdings has rebounded in 2023, approaching all-time highs, with the bulk of demand increase coming from the Eurozone, followed by Canada. Although the US Dollar is subject to ongoing conjecture about its stability as a reserve currency, many countries to date still finance the majority of their trade in it, indicating the potential for sustained demand of the greenback.⁷
- The rise in US Treasury yields has presented a funding limitation for offshore investors seeking credit. Within Asia for example, credit supply growth has recently turned negative, the majority of the downturn due to tightening in China where the investment grade credit supply has decreased by \$22 billion YTD (versus a decrease of \$7 billion for the same period in 2022). Chinese credit investors appear to be redirecting demand more locally, as indicated by increased issuance in Japan and Korea, providing some measure of outlet to the supply shortage.⁸

EQUITY MARKETS

- The theme on narrow market leadership within the US equity market continued through the third quarter, with 7-10 stocks explaining the vast majority of the returns for the S&P 500 market cap weighted index YTD for 2023. In fact, many major indices that do not include these stocks are flat-to-down on the year. From a breadth standpoint, 6 out of 11 S&P 500 sectors are down YTD with the median sector (Energy) down about 2%. While a choppy market like this is hard to characterize as disastrous, narrow leadership has seldom been indicative of a new bull market and cyclical upturn.⁹
- The US Dollar appreciated strongly during the third quarter. Key to this dynamic was that central banks outside the US were also raising rates, thereby containing relative dollar strength. Now, with many of them leaning toward easing as the Fed stays higher for longer, the greenback has regained momentum and conditions are tightening. This could be rough timing for equity investors. S&P 500 earnings are forecast to grow about 12% in 2024; however, they are inversely correlated with

⁵ Source: Morgan Stanley, *Studying Drivers of Recently Higher Treasury Yields*, September 27, 2023

⁶ Source: Morgan Stanley, *The GIC Weekly, Preserving Optionality*, September 25, 2023

⁷ Source: Morgan Stanley, *A Phoenix from the Ashes*, October 6, 2023

⁸ Source: Morgan Stanley, *Your Questions Answered (4)*, October 7, 2023

⁹ Source: Morgan Stanley, *Weekly Warm-up: When Uncertainty is High, Price Reigns...Which Side Are You On?* October 9, 2023

the dollar, as international profits account for roughly a third of the total. If higher-for-longer rates keep the dollar at recent levels, corporate profits will face a genuine headwind.¹⁰

- Decelerating loan growth may be expected to continue to weigh on earnings for both US and European financials for the near-term. Eurozone loan and mortgage origination growth for example stood at 0.6% and -26% year over year in August. Though certainly weak, Eurozone management commentary has been suggestive of a potential uptick here. The case was similar in the US where year over year HELOC and consumer loan growth turned negative recently and industrial loan growth has been flat. The convergence of low growth, rising regulatory pressure, and lost pricing power in deposits suggest continued challenges for US banks.¹¹
- During summer of 2023, oil, as measured by West Texas Intermediate crude, has gained over 35%, due in part to production cuts from Saudi Arabia and Russia. What's especially striking is how much energy stocks have lagged, with the S&P 500 Energy Index up less than 16%. One reason is what some deemed to be underwhelming earnings last quarter. To be fair, the sector was dealing with challenging comparisons to prior periods after two strong years. Looking forward, potential catalysts include a boost to earnings and free cash flow from higher crude prices, which could also further heighten the appeal of select energy stocks to dividend-oriented investors. Notably, at 9.7x, the sector's P/E ratio is less than half the S&P 500's.¹²

ALTERNATIVE INVESTMENTS

- An El Niño weather event was declared on Sept. 19, and there is a chance it could be a strong one. The last strong El Niño cycle occurred in 2015-2016 and brought food price volatility and energy disruptions. Recent shocks from COVID and the Russian invasion of Ukraine have already caused volatility in these markets, which El Niño could heighten. El Niño most directly affects consumer inflation as food and energy commodity prices pass through. Inflation has come down across both developed and emerging markets, with global headline inflation in August at 3.6%, down from 6.0% in January. It is still above central bank targets in most countries, however. Hence, a severe El Niño could be a headwind for policy normalization.¹³
- Hawkish statements from the Federal Reserve drove REIT prices down for the third quarter, as the Dow Jones US REIT Index returned -7.40% versus -3.27% for the S&P 500 Index. Net Operating Income for REITs tends to correlate with borrowing costs after-inflation, which may pose near-term headwinds for this category. A reversal of upward pressure on interest rates into 2024 however could allow for some price reflation.¹⁴
- Oil markets exhibited strong upward pricing over the third quarter on the back of refinery capacity being stretched, Saudi Arabia and Russia announcing voluntary supply cuts, and robust demand growth. Looking forward, supply reductions are expected to remain in effect into 2024 and balances are expected to remain below demand levels, supporting the expectation of high, though not necessarily higher oil prices.¹⁵

¹⁰ Source: Morgan Stanley, *The GIC Weekly, Strong USD to Weight on Financial Conditions*, October 2, 2023

¹¹ Source: Morgan Stanley, *Loan-Deposit Tracker: August 2023*, October 4, 2023

¹² Source: Morgan Stanley, *Can Energy Stocks Catch Up to Oil? October 4, 2023*

¹³ Source: Morgan Stanley, *Adding El Niño to the List of Risks*, September 10, 2023

¹⁴ Source: Morgan Stanley, *The REIT Weekly, Is higher for longer now priced in? September 25, 2023*

¹⁵ Source: Morgan Stanley, *The Oil Manual: Tighter-for-Longer, but OPEC Holds the Key*, September 20, 2023

Disclosure:

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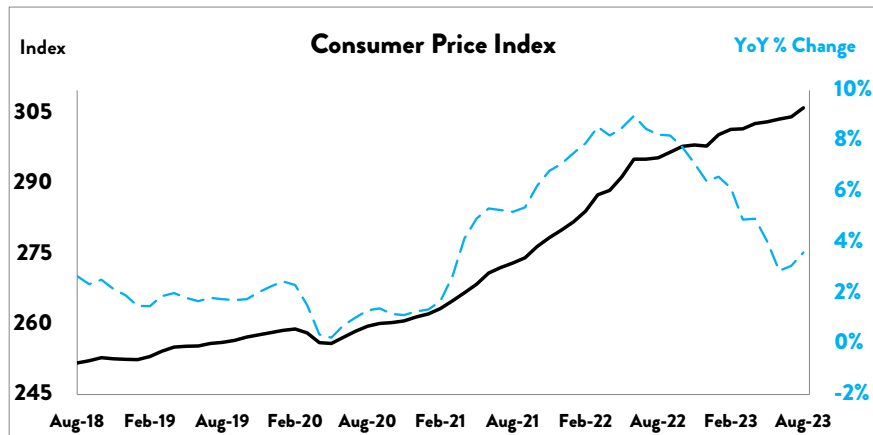
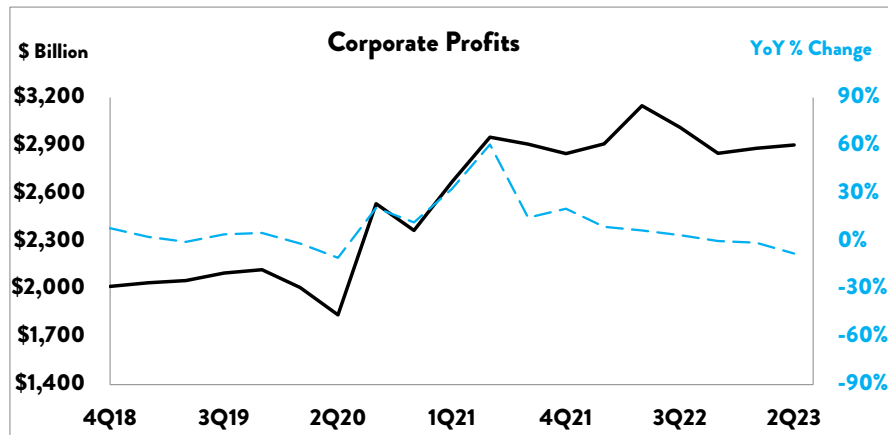
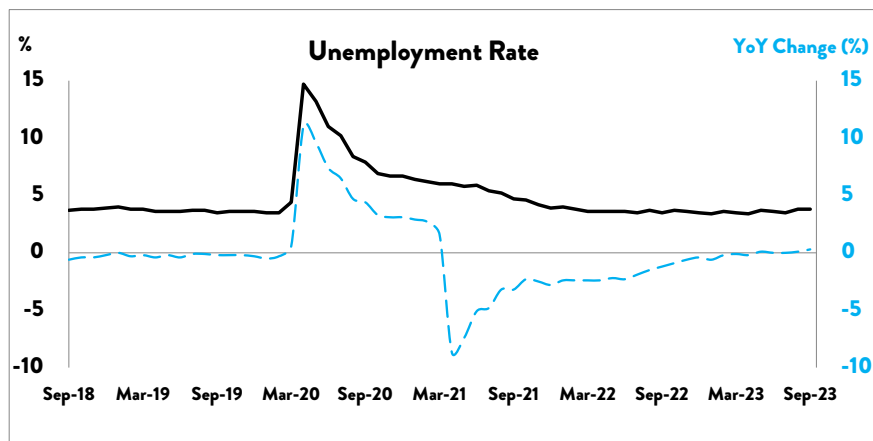
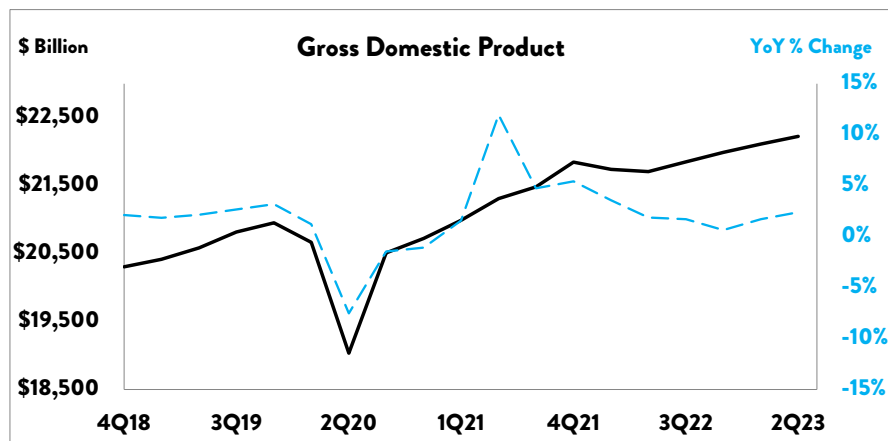
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3Q2023 Economic Data



Key: — Economic Series - - - Year-Over-Year Change

Labor Market Statistics (Monthly)					
Category	Recent	5-Yr High	5-Yr Low	5-Yr Avg.	Date
Jobs Added/Lost Monthly	336,000	4,505,000	-20,493,000	116,800	Sep-23
Unemployment Rate	3.8%	14.7%	3.4%	4.9%	Sep-23
Median Unemployment Length (Weeks)	9.7	22.2	4.0	11.1	Sep-23
Average Hourly Earnings	\$33.88	\$33.88	\$27.36	\$30.42	Sep-23

Source: Federal Reserve Bank of St. Louis and Bureau of Labor Statistics

Other Prices and Indexes (Monthly)					
Category	Recent	5-Yr High	5-Yr Low	% Off Peak	Date
Gas: Price per Gallon	\$3.78	\$4.84	\$1.80	-21.9%	Sep-23
Spot Oil	\$89.43	\$114.84	\$16.55	-22.1%	Sep-23
Case-Shiller Home Price Index	313.7	316.2	212.4	47.7%*	Jul-23
Medical Care CPI	547.0	557.4	485.5	12.7%*	Aug-23

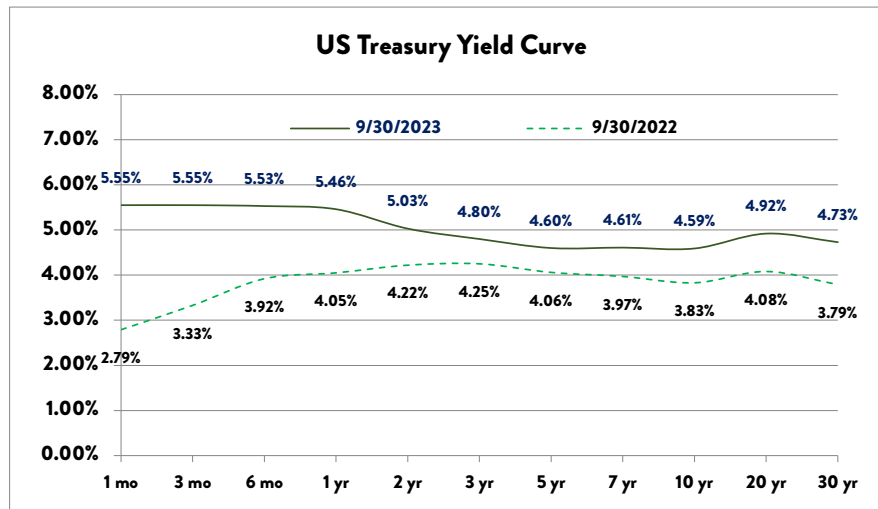
*% Off Low

Morningstar data as of 9/30/2023

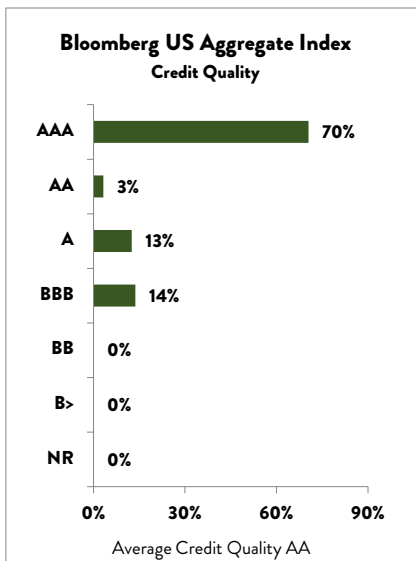
3Q2023 Bond Market Data

Index	QTR	YTD	1 yr.	3 yrs.	5 yrs.	10 yrs.
90-Day T-Bill	1.36%	3.86%	4.93%	1.99%	1.80%	1.17%
Bloomberg US Aggregate	-3.23%	-1.21%	0.64%	-5.21%	0.10%	1.13%
Bloomberg Short US Treasury	1.33%	3.57%	4.45%	1.53%	1.71%	1.14%
Bloomberg Int. US Treasury	-0.81%	0.28%	1.30%	-3.21%	0.68%	0.80%
Bloomberg Long US Treasury	-11.83%	-8.55%	-9.09%	-15.73%	-2.78%	0.75%
Bloomberg US TIPS	-2.60%	-0.78%	1.25%	-1.98%	2.12%	1.74%
Bloomberg US Credit	-3.01%	0.03%	3.47%	-4.83%	0.86%	2.12%
Bloomberg US Mortgage-Backed	-4.05%	-2.26%	-0.17%	-5.09%	-0.77%	0.61%
Bloomberg US Asset-Backed	0.25%	1.99%	2.81%	-0.80%	1.48%	1.49%
Bloomberg US 20-Yr Municipal	-5.51%	-2.14%	2.98%	-2.87%	1.08%	2.94%
Bloomberg US High Yield	0.46%	5.86%	10.28%	1.76%	2.96%	4.24%
Bloomberg Global	-3.59%	-2.21%	2.24%	-6.93%	-1.62%	-0.44%
Bloomberg International	-4.00%	-3.20%	3.39%	-8.39%	-3.10%	-1.73%
Bloomberg Emerging Market	-2.31%	0.91%	7.56%	-4.21%	0.23%	2.35%

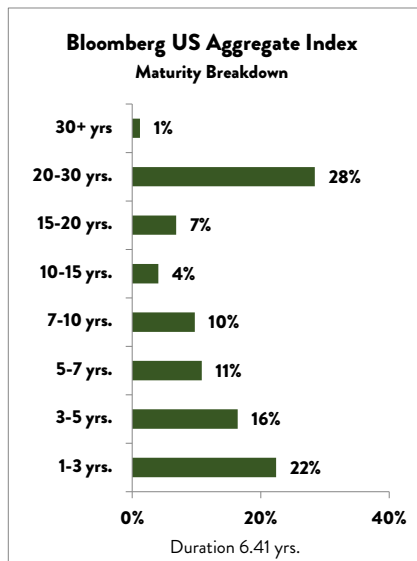
Source: Morningstar



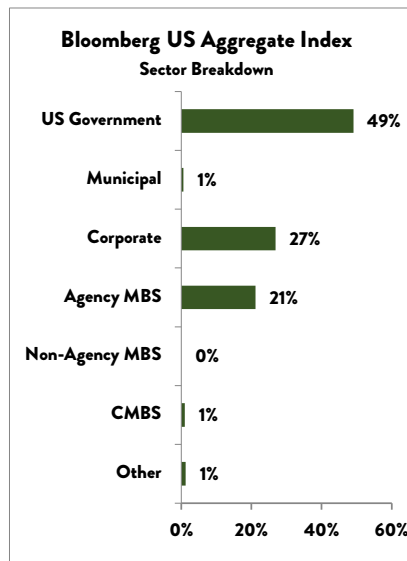
Source: Department of US Treasury



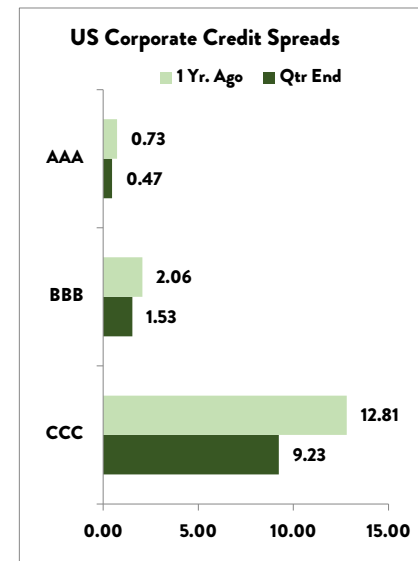
Source: Morningstar



Source: Morningstar



Source: Morningstar



Source: Federal Reserve / Bank of America

3Q2023 US Equity Market Data

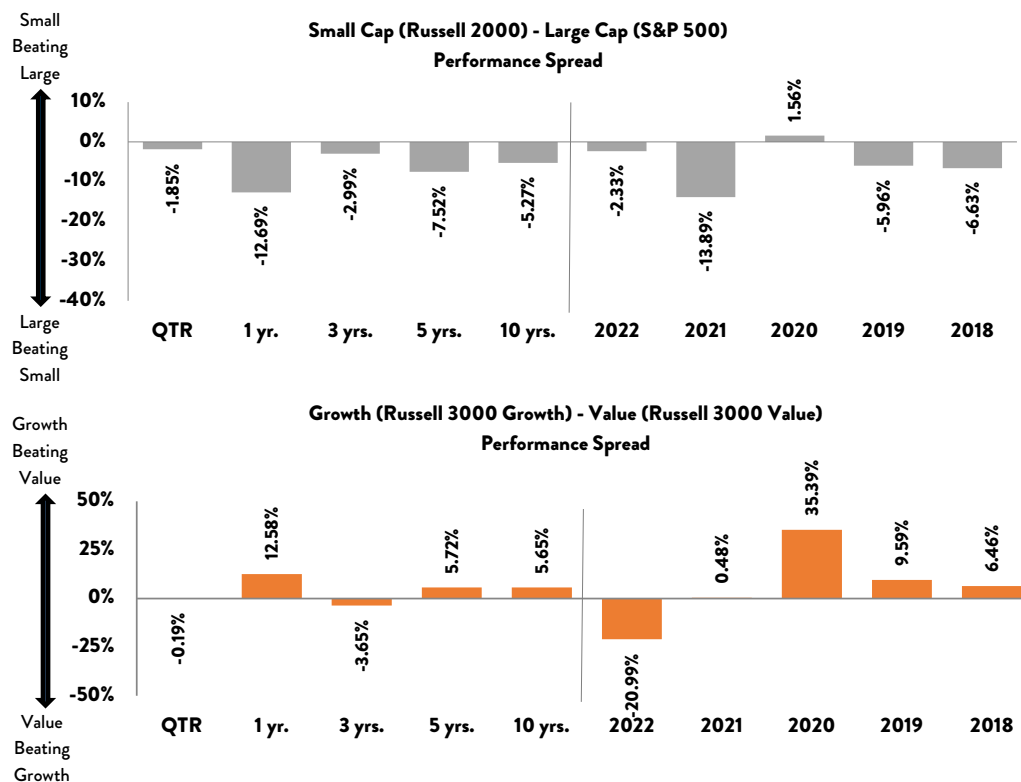
Sectors Weights/Returns (ranked by quarter performance)

	Wgt.	Sector	QTR	YTD	1 yr.
S&P 500 Index	5%	Energy	12.22%	6.03%	30.21%
	9%	Communication Services	3.07%	40.43%	38.48%
	13%	Financials	-1.13%	-1.65%	11.73%
	13%	Health Care	-2.65%	-4.09%	8.18%
	2%	Materials	-4.76%	2.61%	18.05%
	11%	Consumer Discretionary	-4.80%	26.67%	13.77%
	8%	Industrials	-5.16%	4.50%	24.58%
	27%	Information Technology	-5.64%	34.72%	41.10%
	7%	Consumer Staples	-5.97%	-4.76%	7.35%
	2%	Real Estate	-8.90%	-5.45%	-1.84%
2%	Utilities	-9.25%	-14.41%	-7.02%	
S&P Midcap 400 Index	6%	Energy	15.26%	12.75%	24.53%
	15%	Financials	0.84%	-5.89%	3.11%
	4%	Consumer Staples	-0.38%	8.44%	21.00%
	22%	Industrials	-3.83%	16.96%	31.90%
	7%	Materials	-4.28%	1.52%	23.77%
	14%	Consumer Discretionary	-5.48%	5.94%	21.03%
	11%	Information Technology	-6.36%	16.68%	27.60%
	7%	Real Estate	-8.77%	-5.94%	-2.42%
	8%	Health Care	-9.28%	-4.61%	0.37%
	3%	Utilities	-11.35%	-19.48%	-10.13%
2%	Communication Services	-15.84%	-16.00%	-12.38%	
S&P Smallcap 600 Index	5%	Energy	21.22%	14.32%	37.69%
	18%	Financials	2.37%	-12.52%	-6.22%
	5%	Consumer Staples	-3.84%	3.75%	13.88%
	17%	Industrials	-4.22%	12.85%	29.40%
	8%	Real Estate	-4.57%	-8.01%	0.28%
	3%	Communication Services	-5.52%	2.34%	-0.92%
	5%	Materials	-6.79%	4.05%	16.02%
	14%	Consumer Discretionary	-7.10%	8.24%	20.05%
	13%	Information Technology	-10.92%	9.72%	18.59%
	2%	Utilities	-11.34%	-15.46%	-4.77%
10%	Health Care	-15.51%	-14.43%	-14.02%	

Source: Morningstar

Index Performance Data

Index	QTR	YTD	1 yr.	Annualized		
				3 yrs.	5 yrs.	10 yrs.
S&P 500	-3.27%	13.07%	21.62%	10.15%	9.92%	11.91%
Russell 1000 Value	-3.16%	1.79%	14.44%	11.05%	6.23%	8.45%
Russell 1000 Growth	-3.13%	24.98%	27.72%	7.97%	12.42%	14.48%
Russell Mid Cap	-4.68%	3.91%	13.45%	8.09%	6.38%	8.98%
Russell Mid Cap Value	-4.46%	0.54%	11.05%	10.98%	5.18%	7.92%
Russell Mid Cap Growth	-5.22%	9.88%	17.47%	2.61%	6.97%	9.94%
Russell 2000	-5.13%	2.54%	8.93%	7.16%	2.40%	6.65%
Russell 2000 Value	-2.96%	-0.53%	7.84%	13.32%	2.59%	6.19%
Russell 2000 Growth	-7.32%	5.24%	9.59%	1.09%	1.55%	6.72%
Russell 3000	-3.25%	12.39%	20.46%	9.38%	9.14%	11.28%
DJ US Select REIT	-7.40%	-2.05%	2.61%	6.12%	1.56%	5.28%



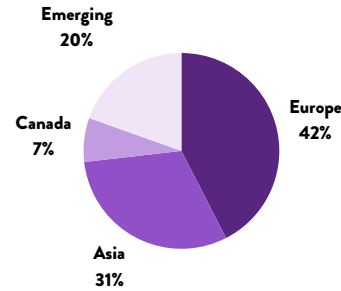
3Q2023 International Market Data

Index Performance Data (net)

Index (US\$)	QTR	YTD	1 yr.	3 yrs.	5 yrs.	10 yrs.
MSCI ACWI ex-US	-3.77%	5.34%	20.39%	3.74%	2.58%	3.35%
MSCI EAFE	-4.11%	7.08%	25.65%	5.75%	3.24%	3.82%
Europe	-4.96%	7.96%	28.85%	7.23%	3.96%	3.83%
United Kingdom	-1.54%	6.77%	24.90%	12.08%	2.85%	2.54%
Germany	-7.72%	8.79%	35.52%	-0.26%	0.27%	2.01%
France	-6.98%	10.06%	34.48%	11.12%	4.85%	5.30%
Pacific	-2.65%	5.51%	20.41%	3.20%	1.99%	3.86%
Japan	-1.59%	11.21%	25.92%	2.81%	2.06%	4.38%
Hong Kong	-11.08%	-17.59%	-2.58%	-4.49%	-3.40%	2.02%
Australia	-3.34%	-0.38%	15.24%	8.27%	4.43%	3.42%
Canada	-4.04%	3.79%	11.49%	9.08%	5.32%	3.90%
MSCI EM	-2.93%	1.82%	11.70%	-1.73%	0.55%	2.07%
MSCI EM Latin America	-4.75%	12.89%	19.37%	15.07%	2.81%	0.24%
MSCI EM Asia	-2.90%	0.99%	11.93%	-3.49%	0.98%	3.82%
MSCI EM Eur/Mid East	-0.95%	3.48%	4.77%	-1.76%	-2.64%	-3.40%
MSCI ACWI Value ex-US	-0.07%	8.19%	25.17%	9.57%	2.29%	2.58%
MSCI ACWI Growth ex-US	-7.31%	2.61%	15.84%	-1.86%	2.54%	3.92%
MSCI ACWI Sm Cap ex-US	-1.70%	5.03%	19.01%	4.02%	2.58%	4.35%

Regional Exposure

MSCI ACWI ex-USA

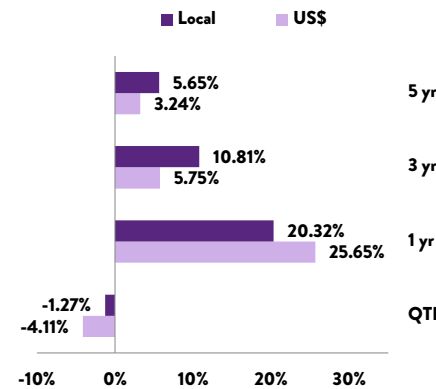


Top 10 Countries (MSCI AC World ex-USA)

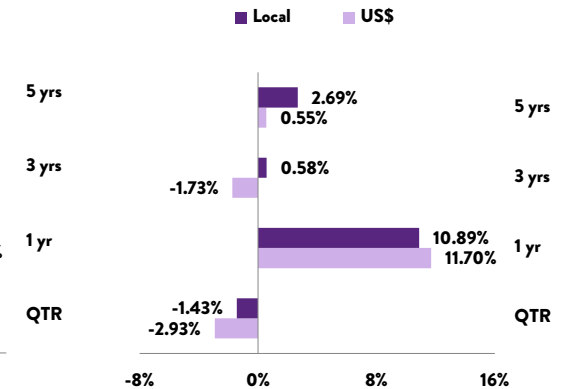
Japan	15%
UK	10%
China	8%
France	8%
Canada	8%
Switzerland	6%
Germany	5%
Australia	5%
India	5%
Taiwan	4%

Source: Morningstar

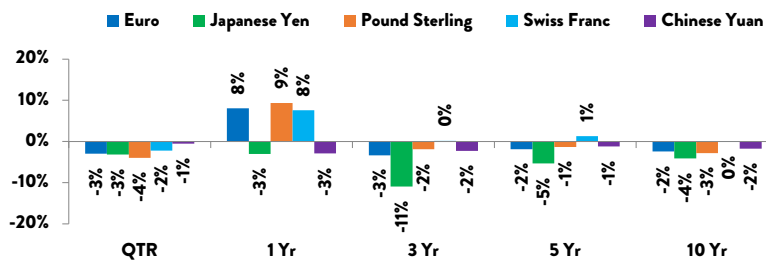
MSCI EAFE Index Return



MSCI Emerging Index Return



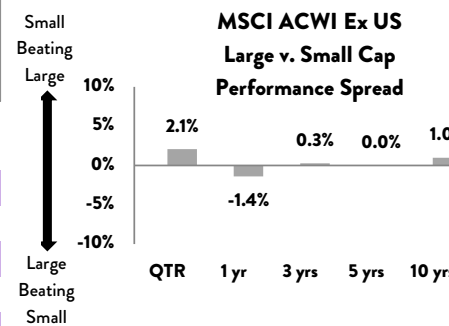
Foreign Currency v. US\$ Returns



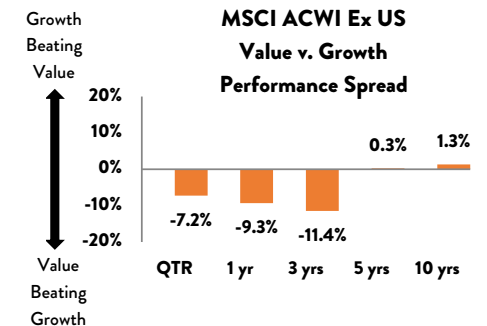
Exchange Rates	QTR	2Q23	1Q23	4Q22	3Q22	2Q22
Japanese Yen	149.43	144.47	132.75	131.81	144.71	135.69
Euro	0.94	0.92	0.92	0.93	1.02	0.96
British Pound	0.82	0.79	0.81	0.83	0.90	0.82
Swiss Franc	0.91	0.89	0.91	0.92	0.98	0.96
Chinese Yuan	7.30	7.25	6.87	6.90	7.11	6.70

Source: Federal Reserve Bank of St. Louis

MSCI ACWI Ex US Large v. Small Cap Performance Spread



MSCI ACWI Ex US Value v. Growth Performance Spread



Performance Source: Morningstar

Historical Market Returns

Ranked by Performance

2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	YTD	3Q23
US Bonds 5.24%	Emerging Markets 78.51%	Small Cap 26.85%	Core Real Estate 14.96%	Emerging Markets 18.22%	Small Cap 38.82%	Large Cap 13.68%	Core Real Estate 13.95%	Small Cap 21.30%	Emerging Markets 37.28%	Core Real Estate 7.36%	Large Cap 31.49%	Small Cap 19.96%	Large Cap 28.71%	Commod. 16.09%	Large Cap 13.07%	Commod. 4.71%
Global Bonds 4.79%	High Yield 58.21%	Mid Cap 25.48%	TIPS 13.56%	Mid Cap 17.28%	Mid Cap 34.76%	Mid Cap 13.21%	Large Cap 1.38%	High Yield 17.12%	Intl 27.19%	Cash 1.69%	Mid Cap 30.54%	Large Cap 18.40%	Commod. 27.11%	Core Real Estate 6.54%	Global Balanced 6.01%	Cash 1.36%
Cash 1.39%	Intl 41.45%	Emerging Markets 18.88%	US Bonds 7.84%	Intl 16.83%	Large Cap 32.39%	Core Real Estate 11.44%	US Bonds 0.55%	Mid Cap 13.79%	Large Cap 21.83%	US Bonds 0.01%	Small Cap 25.52%	Emerging Markets 18.31%	Mid Cap 22.58%	Cash 2.05%	High Yield 5.86%	High Yield 0.46%
TIPS -2.35%	Mid Cap 40.48%	Commod. 16.83%	Global Bonds 5.64%	Small Cap 16.35%	Intl 15.29%	US Bonds 5.97%	Cash 0.03%	Large Cap 11.95%	Mid Cap 18.52%	Global Bonds -1.20%	Intl 21.51%	Mid Cap 17.10%	Core Real Estate 21.06%	High Yield -11.19%	Intl 5.34%	Core Real Estate -2.16%
Core Real Estate -10.70%	Small Cap 27.17%	Core Real Estate 15.26%	High Yield 4.98%	Large Cap 16.00%	Global Balanced 14.46%	Small Cap 4.89%	TIPS -1.43%	Commod. 11.76%	Global Balanced 15.87%	TIPS -1.26%	Global Balanced 18.86%	Global Balanced 13.93%	Small Cap 14.82%	TIPS -11.85%	Mid Cap 3.91%	TIPS -2.60%
Global Balanced -24.51%	Large Cap 26.46%	High Yield 15.12%	Large Cap 2.11%	High Yield 15.81%	Core Real Estate 12.95%	TIPS 3.64%	Global Balanced -1.45%	Emerging Markets 11.18%	Small Cap 14.65%	High Yield -2.08%	Emerging Markets 18.42%	TIPS 10.99%	Global Balanced 10.94%	US Bonds -13.01%	Cash 3.86%	Emerging Markets -2.93%
High Yield -26.16%	Global Balanced 20.49%	Large Cap 15.06%	Cash 0.06%	Global Balanced 11.06%	High Yield 7.44%	Global Balanced 3.17%	Mid Cap -2.43%	Core Real Estate 7.76%	High Yield 7.50%	Large Cap -4.38%	High Yield 14.32%	Intl 10.65%	Intl 7.82%	Intl -16.00%	Small Cap 2.54%	US Bonds -3.23%
Small Cap -33.79%	Commod. 18.91%	Intl 11.15%	Global Balanced -0.97%	Core Real Estate 9.76%	Cash 0.07%	High Yield 2.45%	Global Bonds -3.15%	Global Balanced 5.38%	Global Bonds 7.39%	Global Balanced -5.30%	US Bonds 8.72%	Global Bonds 9.20%	TIPS 5.96%	Global Bonds -16.25%	Emerging Markets 1.82%	Global Balanced -3.26%
Commod. -35.65%	TIPS 11.41%	Global Balanced 9.40%	Mid Cap -1.55%	TIPS 6.98%	US Bonds -2.02%	Global Bonds 0.59%	Small Cap -4.41%	TIPS 4.68%	Core Real Estate 6.66%	Mid Cap -9.06%	TIPS 8.43%	US Bonds 7.51%	High Yield 5.28%	Global Balanced -16.40%	TIPS -0.78%	Large Cap -3.27%
Large Cap -37.00%	Global Bonds 6.93%	US Bonds 6.54%	Small Cap -4.18%	Global Bonds 4.32%	Global Bonds -2.60%	Cash 0.04%	High Yield -4.46%	Intl 4.50%	US Bonds 3.54%	Small Cap -11.01%	Commod. 7.69%	High Yield 7.11%	Cash 0.05%	Mid Cap -17.32%	US Bonds -1.21%	Global Bonds -3.59%
Mid Cap -41.46%	US Bonds 5.93%	TIPS 6.31%	Commod. -13.32%	US Bonds 4.21%	Emerging Markets -2.60%	Emerging Markets -2.18%	Intl -5.66%	US Bonds 2.65%	TIPS 3.01%	Commod. -11.25%	Global Bonds 6.84%	Cash 0.37%	US Bonds -1.54%	Large Cap -18.11%	Global Bonds -2.21%	Intl -3.77%
Intl -45.53%	Cash 0.16%	Global Bonds 5.54%	Intl -13.71%	Cash 0.08%	TIPS -8.61%	Intl -3.86%	Emerging Markets -14.90%	Global Bonds 2.09%	Commod. 1.70%	Intl -14.20%	Core Real Estate 4.41%	Core Real Estate 0.35%	Emerging Markets -2.54%	Emerging Markets -20.09%	Commod. -3.44%	Mid Cap -4.68%
Emerging Markets -53.33%	Core Real Estate -30.40%	Cash 0.15%	Emerging Markets -18.42%	Commod. -1.06%	Commod. -9.52%	Commod. -17.00%	Commod. -24.60%	Cash 0.25%	Cash 0.71%	Emerging Markets -14.58%	Cash 2.30%	Commod. -3.12%	Global Bonds -4.71%	Small Cap -20.44%	Core Real Estate -8.19%	Small Cap -5.13%

Global Balanced is composed of 60% MSCI World Stock Index, 35% BBgBarc Global Aggregate Bond Index, and 5% US 90-Day T-Bills.

Source: Morningstar; Core Real Estate Source: NCREIF

Section 2

STATE OF NEVADA

Combined 457(b) DC Plans

PLAN ASSET ALLOCATION

Third Quarter 2023

Fixed Income	Ticker	Assets	%
Voya Fixed Account	-	\$327,537,850	32.9%
Vanguard Total Bond Market Index I	VBTIX	\$34,836,325	3.5%
Sterling Capital Total Return Bond R6	STRDX	\$1,897,058	0.2%
Total		\$364,271,233	36.6%

Large Cap	Ticker	Assets	%
MFS Value R4	MEIUX	\$20,212,092	2.0%
Vanguard Institutional Index Instl Plus	VIIIX	\$141,143,490	14.2%
JPMorgan Large Cap Growth R6	JLGMX	\$65,793,240	6.6%
Total		\$227,148,822	22.8%

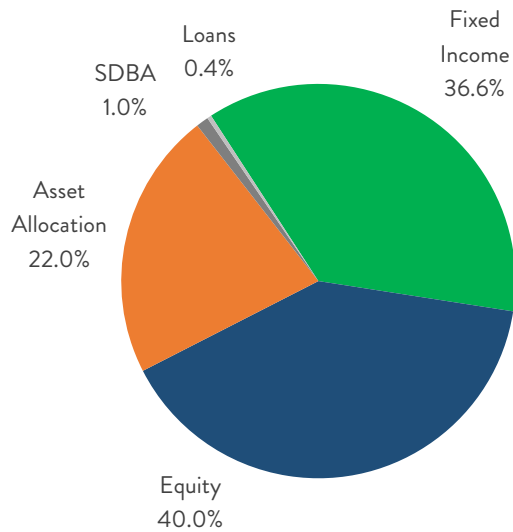
Mid Cap	Ticker	Assets	%
Vanguard Mid-Cap Value Index Adm	VMVAX	\$6,955,922	0.7%
Vanguard Extended Market Index Instl Plus	VEMPX	\$94,469,752	9.5%
Vanguard Mid-Cap Growth Index Adm	VMGMX	\$20,211,453	2.0%
Total		\$121,637,127	12.2%

International	Ticker	Assets	%
Vanguard Instl Total Intl Stock Mkt Index Trust	-	\$43,018,913	4.3%
American Funds EuroPacific Growth R6	RERGX	\$6,266,510	0.6%
Total		\$49,285,423	5.0%

Asset Allocation	Ticker	Assets	%
Vanguard Target Retirement Income Trust II	-	\$38,638,308	3.9%
Vanguard Target Retirement 2020 Trust II	-	\$11,447,025	1.2%
Vanguard Target Retirement 2025 Trust II	-	\$43,212,738	4.3%
Vanguard Target Retirement 2030 Trust II	-	\$16,020,138	1.6%
Vanguard Target Retirement 2035 Trust II	-	\$52,689,691	5.3%
Vanguard Target Retirement 2040 Trust II	-	\$9,386,735	0.9%
Vanguard Target Retirement 2045 Trust II	-	\$28,290,282	2.8%
Vanguard Target Retirement 2050 Trust II	-	\$6,512,439	0.7%
Vanguard Target Retirement 2055 Trust II	-	\$8,257,742	0.8%
Vanguard Target Retirement 2060 Trust II	-	\$2,696,288	0.3%
Vanguard Target Retirement 2065 Trust II	-	\$1,257,833	0.1%
Vanguard Target Retirement 2070 Trust II	-	\$305,149	0.0%
Total		\$218,714,369	22.0%

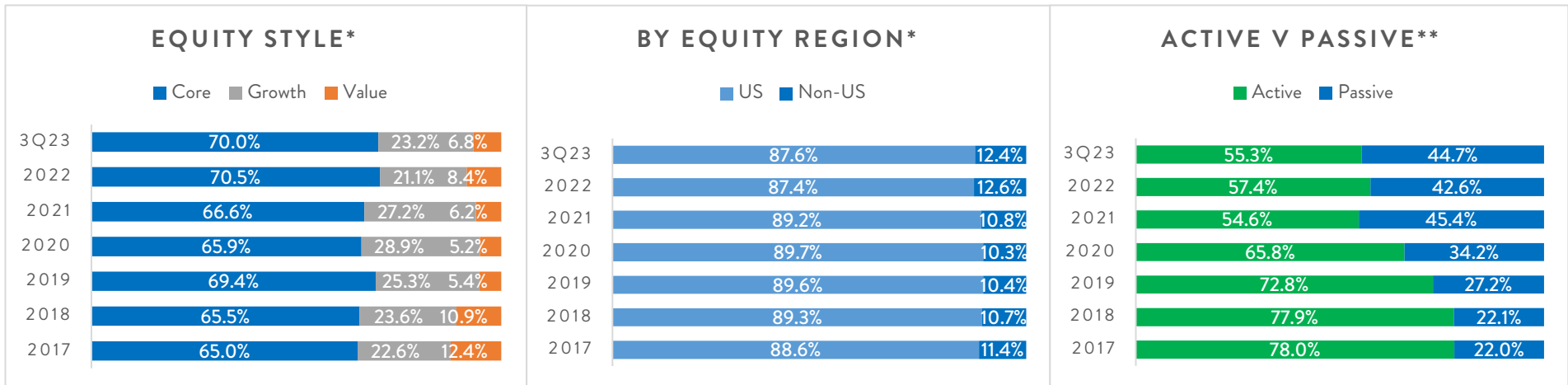
Miscellaneous	Ticker	Assets	%
Self-Directed Brokerage Account	-	\$10,101,817	1.0%
Participant Loans	-	\$3,484,885	0.4%
Total		\$13,586,702	1.4%

TOTAL PLAN ASSETS **\$994,643,677**
 Administrative Account Balance (10/9/23) \$289,317



HISTORICAL PLAN ALLOCATION

Asset Class	3Q23	2022	2021	2020	2019	2018	2017	2016
Fixed Income	36.6%	39.7%	34.0%	36.7%	38.1%	43.8%	41.5%	N/A
Large Cap	22.8%	20.9%	24.4%	22.4%	21.8%	18.8%	20.4%	N/A
Mid Cap	12.2%	12.2%	14.5%	14.9%	14.4%	13.4%	14.2%	N/A
International	5.0%	4.8%	4.7%	4.3%	4.2%	4.0%	4.4%	N/A
Asset Allocation	22.0%	21.3%	21.3%	20.7%	20.7%	19.2%	18.7%	N/A
SDDBA	1.0%	0.8%	0.9%	0.6%	0.4%	0.3%	0.3%	N/A
Loans	0.4%	0.4%	0.3%	0.3%	0.4%	0.5%	0.4%	N/A



*Excludes Fixed Income, Asset Allocation, Brokerage, and Loan assets

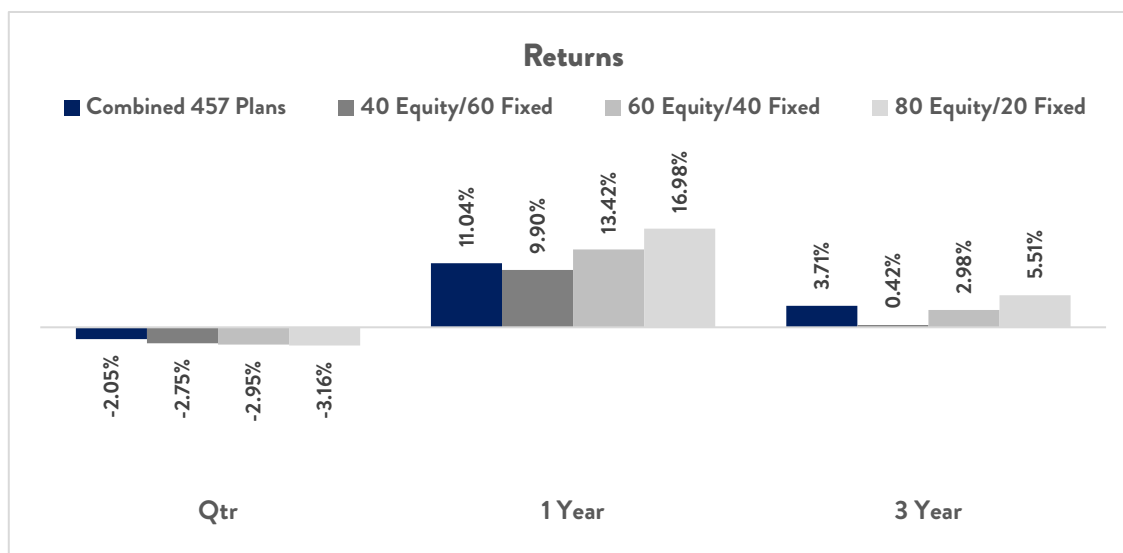
**Excludes Asset Allocation, Brokerage, and Loan assets

PLAN LEVEL CASH FLOWS

	Beginning Value	Cash Flow (+)	Cash Flow (-)	Transfer	Market Gain/Loss	Ending Value
Fixed Income	\$372,028,500	\$3,702,613	(\$11,427,724)	(\$1,319,429)	\$1,287,273	\$364,271,233
Large Cap	\$235,639,961	\$3,683,401	(\$5,180,882)	\$943,176	(\$7,936,833)	\$227,148,822
Mid Cap	\$126,970,578	\$1,974,037	(\$2,235,706)	(\$315,564)	(\$4,756,218)	\$121,637,127
International	\$50,456,704	\$923,885	(\$731,886)	\$839,011	(\$2,202,292)	\$49,285,423
Asset Allocation	\$223,828,672	\$7,274,672	(\$4,183,527)	(\$1,244,764)	(\$6,960,685)	\$218,714,369
SDBA	\$9,244,872	\$0	\$0	\$1,140,926	(\$283,981)	\$10,101,817
Total	\$1,018,169,287	\$17,558,609	(\$23,759,725)	\$43,356	(\$20,852,736)	\$991,158,791

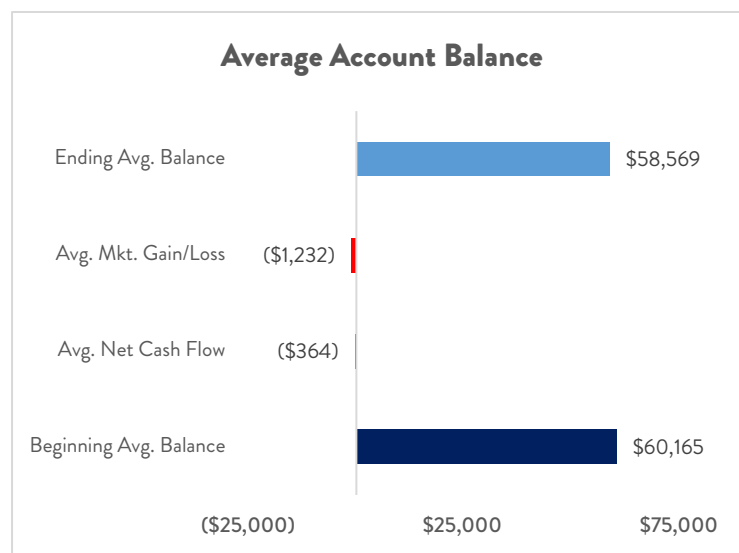
HISTORICAL PLAN CASH FLOWS

	Beginning Value	Net Cash Flow	Market Gain/Loss	Ending Value
3Q23	\$1,018,169,287	(\$6,157,760)	(\$20,852,736)	\$991,158,791
YTD	\$944,760,930	(\$15,902,804)	\$62,300,666	\$991,158,791
2022	\$1,103,984,931	(\$9,111,229)	(\$150,112,772)	\$944,760,930
2021	\$1,012,211,305	(\$19,402,347)	\$111,175,973	\$1,103,984,931
2020	\$890,766,732	\$942,462	\$120,502,111	\$1,012,211,305
2019	\$771,229,524	(\$7,494,189)	\$127,031,396	\$890,766,732



Equity Indices: Russell 3000, MSCI ACWI ex USA; Fixed Indices: US Treasury 3 Mo T-Bill, Bloomberg Global

Aggregate Bond (rebalanced quarterly)



STATE EMPLOYEES PLAN

457(b) Deferred Compensation Plan

PLAN ASSET ALLOCATION

Third Quarter 2023

Fixed Income	Ticker	Assets	%
Voya Fixed Account	-	\$230,798,091	35.2%
Vanguard Total Bond Market Index I	VBTIX	\$22,266,484	3.4%
Sterling Capital Total Return Bond R6	STRDX	\$815,819	0.1%
Total		\$253,880,394	38.7%

Large Cap	Ticker	Assets	%
MFS Value R4	MEIJX	\$12,786,173	2.0%
Vanguard Institutional Index Instl Plus	VIIIX	\$90,482,979	13.8%
JPMorgan Large Cap Growth R6	JLGMX	\$41,500,172	6.3%
Total		\$144,769,324	22.1%

Mid Cap	Ticker	Assets	%
Vanguard Mid-Cap Value Index Adm	VMVAX	\$4,051,671	0.6%
Vanguard Extended Market Index Instl Plus	VEMPX	\$60,680,999	9.3%
Vanguard Mid-Cap Growth Index Adm	VMGMX	\$13,200,795	2.0%
Total		\$77,933,465	11.9%

International	Ticker	Assets	%
Vanguard Instl Total Intl Stock Mkt Index Trust	-	\$25,520,887	3.9%
American Funds EuroPacific Growth R6	RERGX	\$3,758,131	0.6%
Total		\$29,279,018	4.5%

Asset Allocation	Ticker	Assets	%
Vanguard Target Retirement Income Trust II	-	\$29,655,135	4.5%
Vanguard Target Retirement 2020 Trust II	-	\$6,396,494	1.0%
Vanguard Target Retirement 2025 Trust II	-	\$28,951,638	4.4%
Vanguard Target Retirement 2030 Trust II	-	\$8,721,903	1.3%
Vanguard Target Retirement 2035 Trust II	-	\$36,408,162	5.6%
Vanguard Target Retirement 2040 Trust II	-	\$4,945,232	0.8%
Vanguard Target Retirement 2045 Trust II	-	\$15,631,689	2.4%
Vanguard Target Retirement 2050 Trust II	-	\$2,955,558	0.5%
Vanguard Target Retirement 2055 Trust II	-	\$4,218,485	0.6%
Vanguard Target Retirement 2060 Trust II	-	\$1,087,366	0.2%
Vanguard Target Retirement 2065 Trust II	-	\$470,436	0.1%
Vanguard Target Retirement 2070 Trust II	-	\$253,907	0.0%
Total		\$139,696,003	21.3%

Miscellaneous	Ticker	Assets	%
Self-Directed Brokerage Account	-	\$6,170,769	0.9%
Participant Loans	-	\$3,482,565	0.5%
Total		\$9,653,334	1.5%

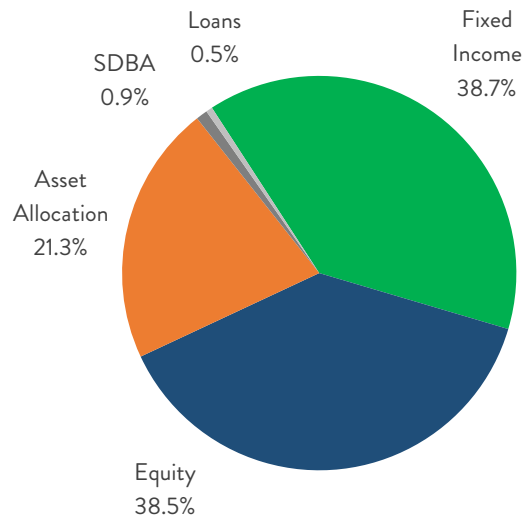
TOTAL PLAN ASSETS **\$655,211,538**
 Administrative Account Balance (10/9/23) \$289,317

STATE EMPLOYEES PLAN

457(b) Deferred Compensation Plan

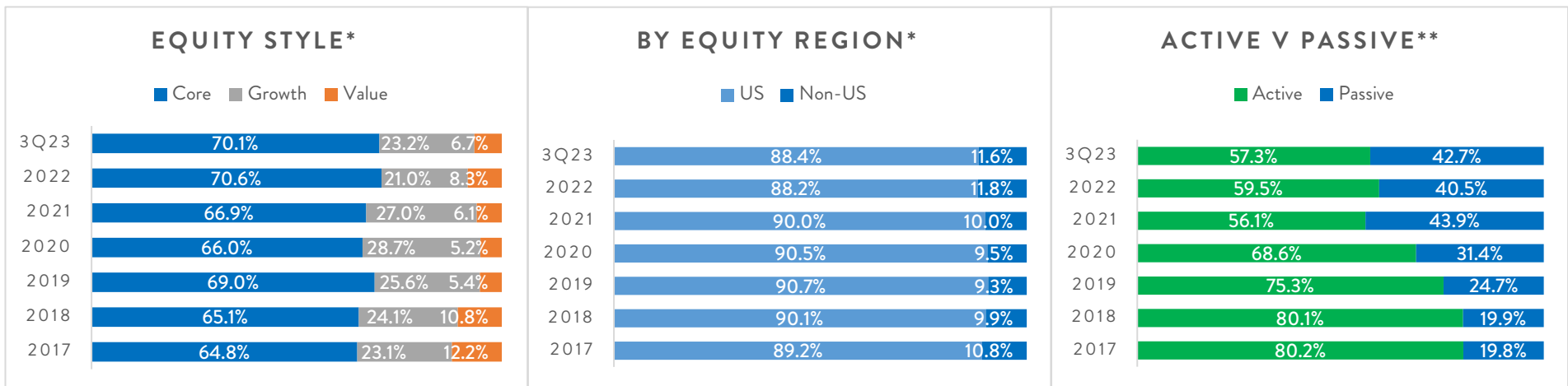
PLAN ASSET ALLOCATION

Third Quarter 2023



HISTORICAL PLAN ALLOCATION

Asset Class	3Q23	2022	2021	2020	2019	2018	2017	2016
Fixed Income	38.7%	41.7%	35.4%	38.0%	40.1%	44.9%	42.8%	N/A
Large Cap	22.1%	20.0%	23.7%	21.5%	20.6%	18.6%	19.1%	N/A
Mid Cap	11.9%	11.8%	14.2%	14.5%	13.8%	12.6%	13.6%	N/A
International	4.5%	4.3%	4.2%	3.8%	3.5%	3.4%	4.0%	N/A
Asset Allocation	21.3%	20.9%	21.3%	21.2%	21.1%	19.4%	19.6%	N/A
SDBA	0.9%	0.7%	0.7%	0.5%	0.3%	0.3%	0.3%	N/A
Loans	0.5%	0.6%	0.5%	0.5%	0.6%	0.7%	0.6%	N/A



*Excludes Fixed Income, Asset Allocation, Brokerage, and Loan assets

**Excludes Asset Allocation, Brokerage, and Loan assets

STATE EMPLOYEES PLAN

457(b) Deferred Compensation Plan

PLAN ASSET ALLOCATION

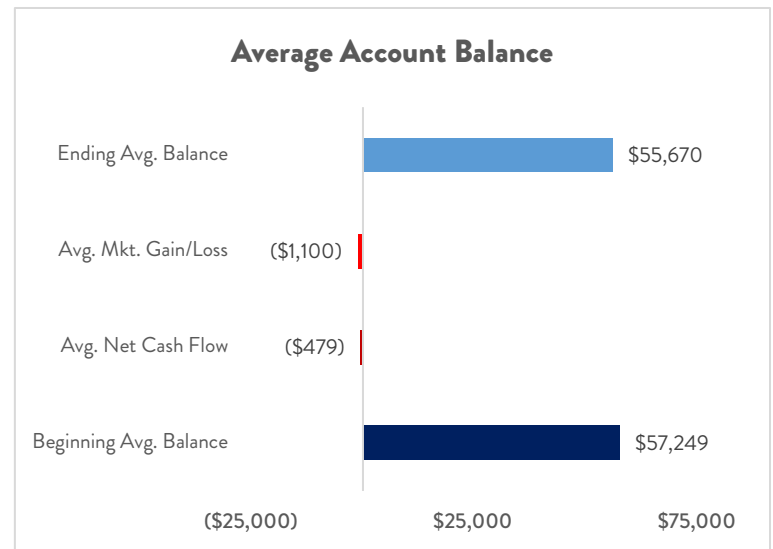
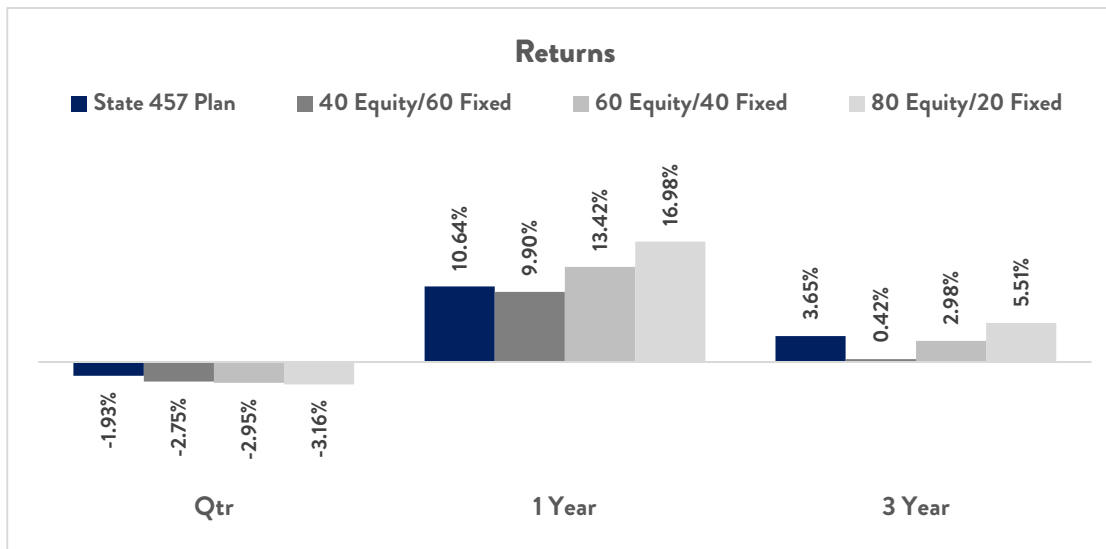
Third Quarter 2023

PLAN LEVEL CASH FLOWS

	Beginning Value	Cash Flow (+)	Cash Flow (-)	Transfer	Market Gain/Loss	Ending Value
Fixed Income	\$259,230,819	\$2,683,543	(\$8,116,503)	(\$921,801)	\$1,004,335	\$253,880,394
Large Cap	\$150,442,912	\$2,500,854	(\$3,454,995)	\$331,430	(\$5,050,876)	\$144,769,324
Mid Cap	\$81,405,532	\$1,267,433	(\$1,797,216)	\$101,334	(\$3,043,618)	\$77,933,465
International	\$30,146,383	\$560,887	(\$556,327)	\$435,658	(\$1,307,584)	\$29,279,018
Asset Allocation	\$143,572,786	\$4,412,116	(\$3,152,981)	(\$755,820)	(\$4,380,097)	\$139,696,003
SDBA	\$5,416,039	\$0	\$0	\$852,107	(\$97,377)	\$6,170,769
Total	\$670,214,470	\$11,424,833	(\$17,078,021)	\$42,907	(\$12,875,217)	\$651,728,973

HISTORICAL PLAN CASH FLOWS

	Beginning Value	Net Cash Flow	Market Gain/Loss	Ending Value
3Q23	\$670,214,470	(\$5,610,281)	(\$12,875,217)	\$651,728,973
YTD	\$628,030,428	(\$16,365,913)	\$40,064,458	\$651,728,973
2022	\$736,232,396	(\$11,933,591)	(\$96,268,377)	\$628,030,428
2021	\$680,605,231	(\$16,866,120)	\$72,493,284	\$736,232,396
2020	\$608,234,330	(\$6,442,157)	\$78,813,059	\$680,605,231
2019	\$537,863,111	(\$14,358,576)	\$84,729,795	\$608,234,330



Equity Indices: Russell 3000, MSCI ACWI ex USA; Fixed Indices: US Treasury 3 Mo T-Bill, Bloomberg Global Aggregate Bond (rebalanced quarterly)

POLITICAL SUBDIVISIONS

457(b) Deferred Compensation Plan

PLAN ASSET ALLOCATION

Third Quarter 2023

Fixed Income	Ticker	Assets	%
Voya Fixed Account	-	\$81,974,233	32.7%
Vanguard Total Bond Market Index I	VBTIX	\$8,787,931	3.5%
Sterling Capital Total Return Bond R6	STRDX	\$462,465	0.2%
Total		\$91,224,629	36.4%

Large Cap	Ticker	Assets	%
MFS Value R4	MEIJX	\$5,663,327	2.3%
Vanguard Institutional Index Instl Plus	VIIIX	\$35,160,671	14.0%
JPMorgan Large Cap Growth R6	JLGMX	\$19,246,582	7.7%
Total		\$60,070,580	24.0%

Mid Cap	Ticker	Assets	%
Vanguard Mid-Cap Value Index Adm	VMVAX	\$2,018,973	0.8%
Vanguard Extended Market Index Instl Plus	VEMPX	\$25,198,648	10.1%
Vanguard Mid-Cap Growth Index Adm	VMGMX	\$4,310,550	1.7%
Total		\$31,528,171	12.6%

International	Ticker	Assets	%
Vanguard Instl Total Intl Stock Mkt Index Trust	-	\$12,778,069	5.1%
American Funds EuroPacific Growth R6	RERGX	\$1,321,255	0.5%
Total		\$14,099,324	5.6%

Asset Allocation	Ticker	Assets	%
Vanguard Target Retirement Income Trust II	-	\$4,259,517	1.7%
Vanguard Target Retirement 2020 Trust II	-	\$2,398,510	1.0%
Vanguard Target Retirement 2025 Trust II	-	\$8,196,594	3.3%
Vanguard Target Retirement 2030 Trust II	-	\$3,843,451	1.5%
Vanguard Target Retirement 2035 Trust II	-	\$10,965,939	4.4%
Vanguard Target Retirement 2040 Trust II	-	\$2,759,505	1.1%
Vanguard Target Retirement 2045 Trust II	-	\$9,962,718	4.0%
Vanguard Target Retirement 2050 Trust II	-	\$2,663,939	1.1%
Vanguard Target Retirement 2055 Trust II	-	\$3,274,899	1.3%
Vanguard Target Retirement 2060 Trust II	-	\$1,501,887	0.6%
Vanguard Target Retirement 2065 Trust II	-	\$498,938	0.2%
Vanguard Target Retirement 2070 Trust II	-	\$36,302	0.0%
Total		\$50,362,200	20.1%

Miscellaneous	Ticker	Assets	%
Self-Directed Brokerage Account	-	\$3,210,295	1.3%
Participant Loans	-	\$2,320	0.0%
Total		\$3,212,616	1.3%

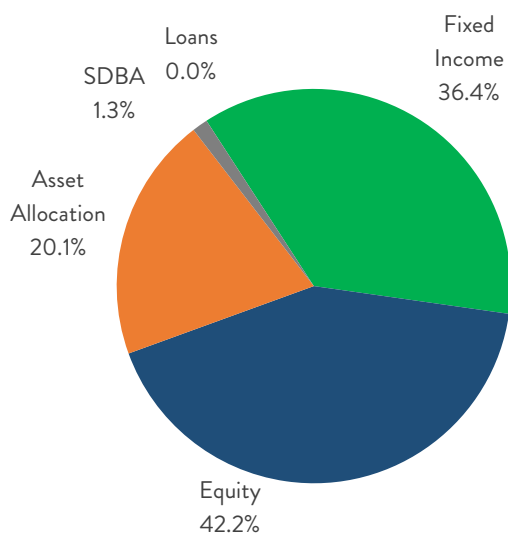
TOTAL PLAN ASSETS **\$250,497,519**

POLITICAL SUBDIVISIONS

457(b) Deferred Compensation Plan

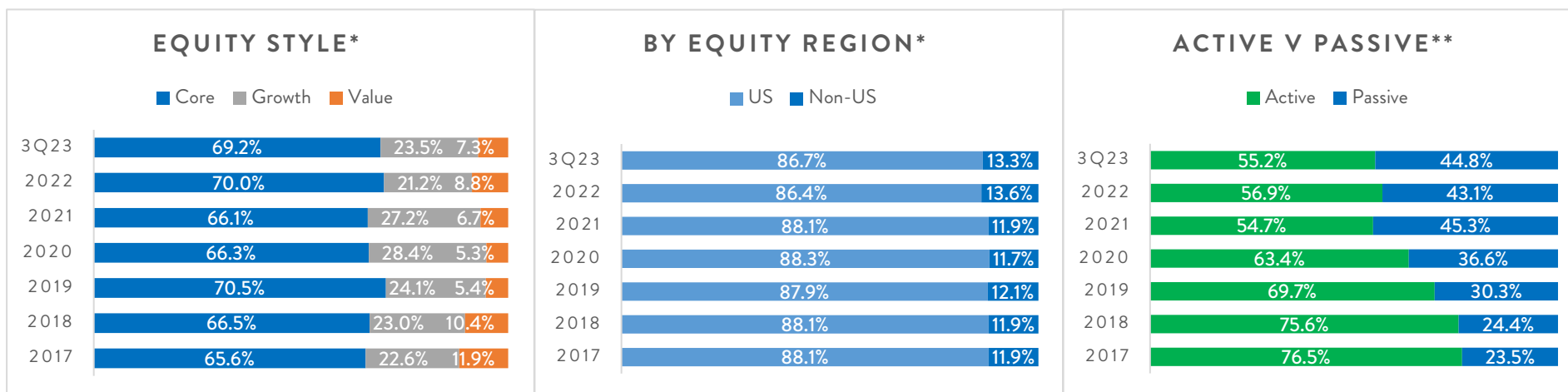
PLAN ASSET ALLOCATION

Third Quarter 2023



HISTORICAL PLAN ALLOCATION

Asset Class	3Q23	2022	2021	2020	2019	2018	2017	2016
Fixed Income	36.4%	39.6%	34.5%	37.9%	37.5%	46.2%	42.5%	N/A
Large Cap	24.0%	22.3%	25.5%	24.5%	24.4%	17.5%	22.8%	N/A
Mid Cap	12.6%	12.6%	15.1%	15.2%	15.3%	15.1%	15.0%	N/A
International	5.6%	5.5%	5.5%	5.3%	5.5%	5.2%	5.1%	N/A
Asset Allocation	20.1%	18.9%	18.0%	16.2%	16.6%	15.6%	14.0%	N/A
SDBA	1.3%	1.1%	1.5%	0.9%	0.7%	0.5%	0.6%	N/A
Loans	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	N/A



*Excludes Fixed Income, Asset Allocation, Brokerage, and Loan assets

**Excludes Asset Allocation, Brokerage, and Loan assets

POLITICAL SUBDIVISIONS

457(b) Deferred Compensation Plan

PLAN ASSET ALLOCATION

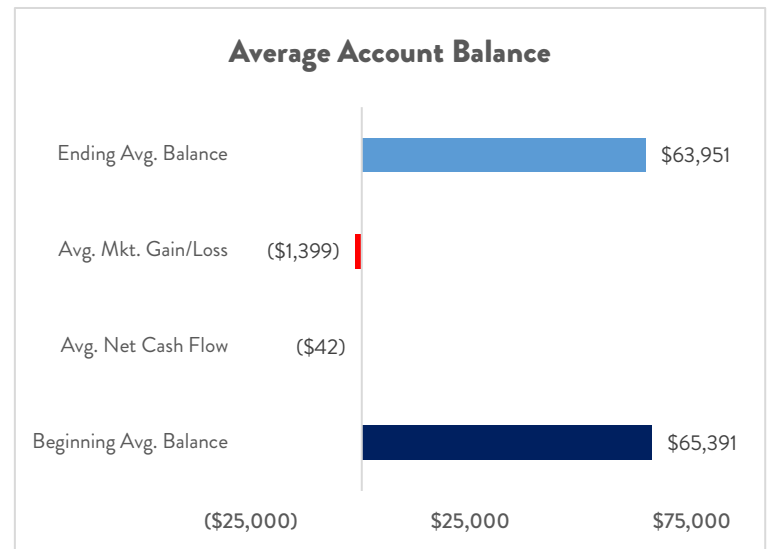
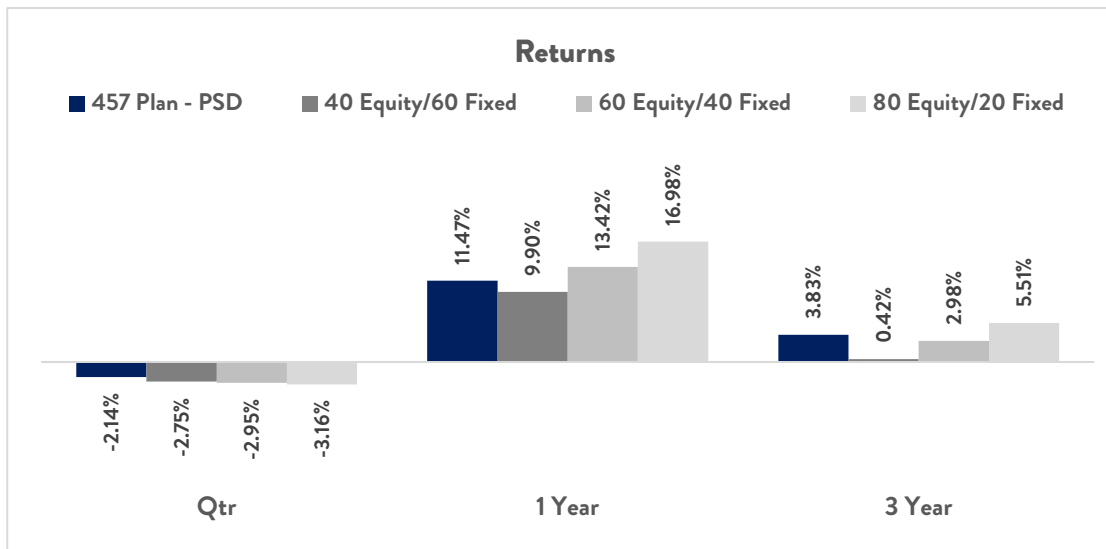
Third Quarter 2023

PLAN LEVEL CASH FLOWS

	Beginning Value	Cash Flow (+)	Cash Flow (-)	Transfer	Market Gain/Loss	Ending Value
Fixed Income	\$93,120,515	\$789,172	(\$2,610,380)	(\$391,257)	\$316,580	\$91,224,629
Large Cap	\$61,747,629	\$871,367	(\$860,410)	\$436,280	(\$2,124,286)	\$60,070,580
Mid Cap	\$32,553,184	\$569,423	(\$365,169)	(\$15,506)	(\$1,213,761)	\$31,528,171
International	\$14,271,673	\$277,437	(\$141,535)	\$307,770	(\$616,021)	\$14,099,324
Asset Allocation	\$51,156,396	\$1,951,037	(\$644,297)	(\$425,990)	(\$1,674,946)	\$50,362,200
SDBA	\$3,287,943	\$0	\$0	\$88,814	(\$166,461)	\$3,210,295
Total	\$256,137,340	\$4,458,436	(\$4,621,792)	\$111	(\$5,478,895)	\$250,495,199

HISTORICAL PLAN CASH FLOWS

	Beginning Value	Net Cash Flow	Market Gain/Loss	Ending Value
3Q23	\$256,137,340	(\$163,246)	(\$5,478,895)	\$250,495,199
YTD	\$233,192,231	\$1,024,034	\$16,278,934	\$250,495,199
2022	\$268,237,618	\$2,772,040	(\$37,817,427)	\$233,192,231
2021	\$244,053,779	(\$3,563,244)	\$27,747,083	\$268,237,618
2020	\$211,520,904	\$2,964,561	\$29,568,315	\$244,053,779
2019	\$174,082,438	\$7,146,048	\$30,292,417	\$211,520,904



Equity Indices: Russell 3000, MSCI ACWI ex USA; Fixed Indices: US Treasury 3 Mo T-Bill, Bloomberg Global Aggregate Bond (rebalanced quarterly)

NEVADA SYSTEM OF HIGHER EDUCATION

457(b) Deferred Compensation Plan

PLAN ASSET ALLOCATION

Third Quarter 2023

Fixed Income	Ticker	Assets	%
Voya Fixed Account	-	\$14,765,527	16.6%
Vanguard Total Bond Market Index I	VBTIX	\$3,781,911	4.3%
Sterling Capital Total Return Bond R6	STRDX	\$618,773	0.7%
Total		\$19,166,211	21.6%

Large Cap	Ticker	Assets	%
MFS Value R4	MEIJX	\$1,762,591	2.0%
Vanguard Institutional Index Instl Plus	VIIIX	\$15,499,839	17.4%
JPMorgan Large Cap Growth R6	JLGMX	\$5,046,487	5.7%
Total		\$22,308,918	25.1%

Mid Cap	Ticker	Assets	%
Vanguard Mid-Cap Value Index Adm	VMVAX	\$885,278	1.0%
Vanguard Extended Market Index Instl Plus	VEMPX	\$8,590,105	9.7%
Vanguard Mid-Cap Growth Index Adm	VMGMX	\$2,700,108	3.0%
Total		\$12,175,491	13.7%

International	Ticker	Assets	%
Vanguard Instl Total Intl Stock Mkt Index Trust	-	\$4,719,958	5.3%
American Funds EuroPacific Growth R6	RERGX	\$1,187,123	1.3%
Total		\$5,907,081	6.6%

Asset Allocation	Ticker	Assets	%
Vanguard Target Retirement Income Trust II	-	\$4,723,656	5.3%
Vanguard Target Retirement 2020 Trust II	-	\$2,652,021	3.0%
Vanguard Target Retirement 2025 Trust II	-	\$6,064,507	6.8%
Vanguard Target Retirement 2030 Trust II	-	\$3,454,784	3.9%
Vanguard Target Retirement 2035 Trust II	-	\$5,315,590	6.0%
Vanguard Target Retirement 2040 Trust II	-	\$1,681,998	1.9%
Vanguard Target Retirement 2045 Trust II	-	\$2,695,875	3.0%
Vanguard Target Retirement 2050 Trust II	-	\$892,943	1.0%
Vanguard Target Retirement 2055 Trust II	-	\$764,358	0.9%
Vanguard Target Retirement 2060 Trust II	-	\$107,034	0.1%
Vanguard Target Retirement 2065 Trust II	-	\$288,459	0.3%
Vanguard Target Retirement 2070 Trust II	-	\$14,940	0.0%
Total		\$28,656,166	32.2%

Miscellaneous	Ticker	Assets	%
Self-Directed Brokerage Account	-	\$720,752	0.8%
Total		\$720,752	0.8%

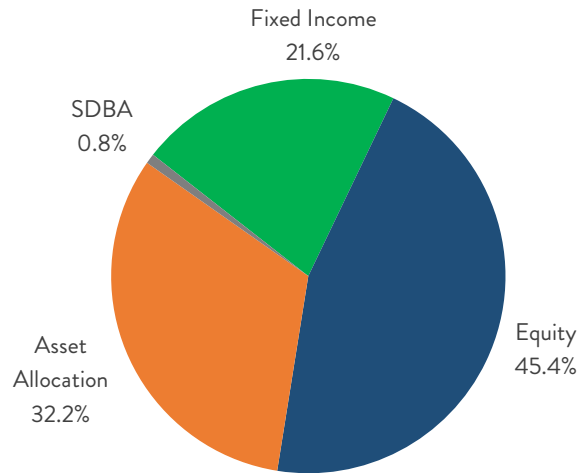
TOTAL PLAN ASSETS **\$88,934,619**

NEVADA SYSTEM OF HIGHER EDUCATION

457(b) Deferred Compensation Plan

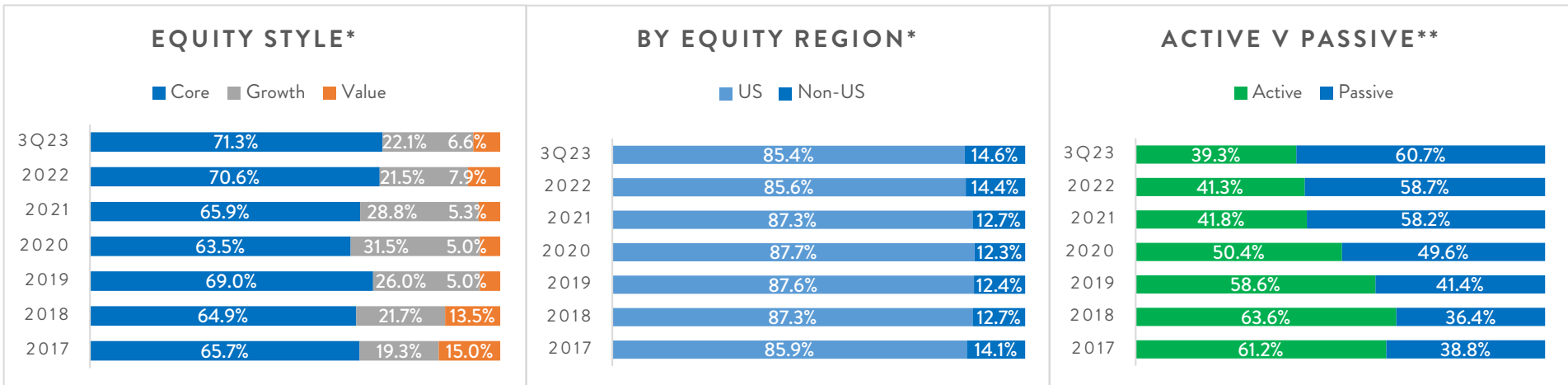
PLAN ASSET ALLOCATION

Third Quarter 2023



HISTORICAL PLAN ALLOCATION

Asset Class	3Q23	2022	2021	2020	2019	2018	2017	2016
Fixed Income	21.6%	24.6%	22.3%	22.9%	22.4%	27.3%	26.9%	N/A
Large Cap	25.1%	23.7%	26.1%	24.4%	24.4%	24.1%	24.7%	N/A
Mid Cap	13.7%	14.1%	15.6%	17.3%	17.1%	15.7%	16.8%	N/A
International	6.6%	6.3%	6.1%	5.8%	5.9%	5.8%	6.8%	N/A
Asset Allocation	32.2%	30.7%	29.4%	29.1%	29.9%	26.8%	24.7%	N/A
SDBA	0.8%	0.6%	0.6%	0.5%	0.3%	0.3%	0.1%	N/A



*Excludes Fixed Income, Asset Allocation, and Brokerage assets

**Excludes Asset Allocation and Brokerage assets

NEVADA SYSTEM OF HIGHER EDUCATION

457(b) Deferred Compensation Plan

PLAN ASSET ALLOCATION

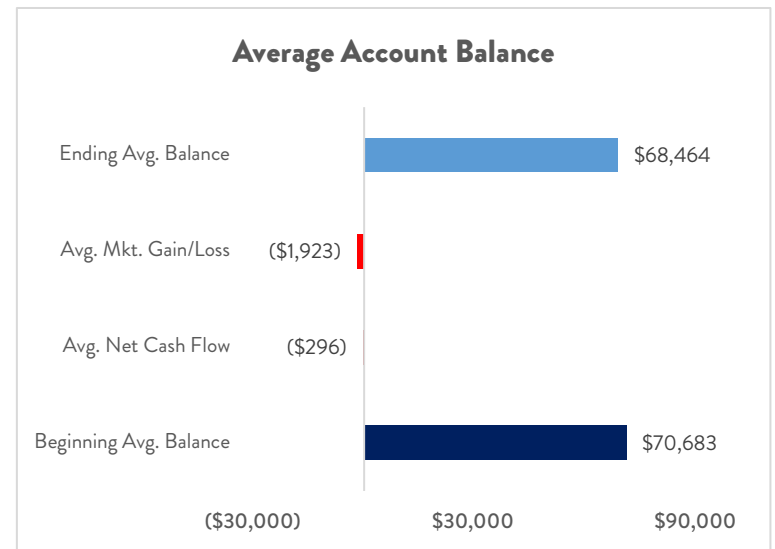
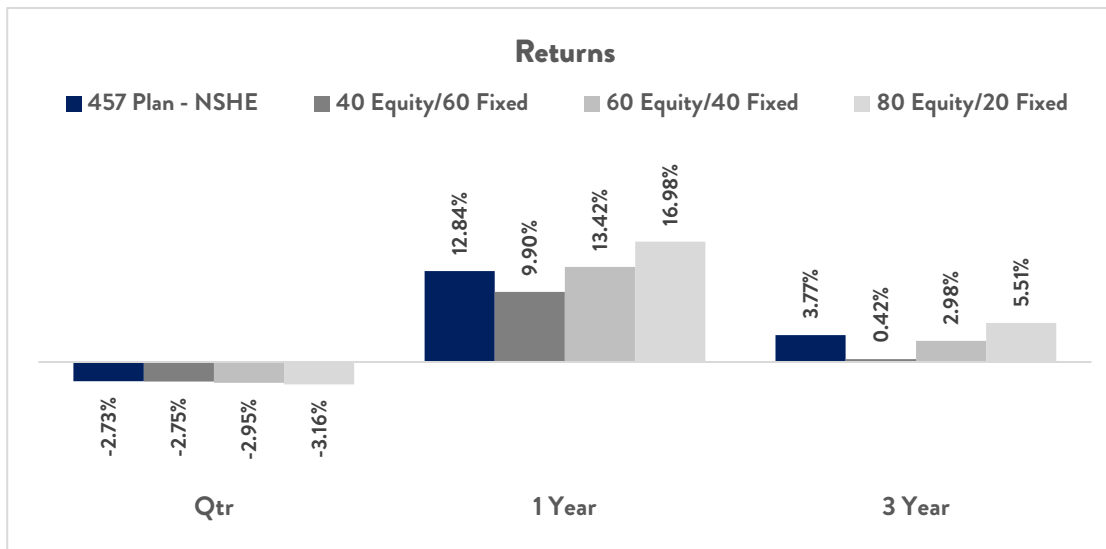
Third Quarter 2023

PLAN LEVEL CASH FLOWS

	Beginning Value	Cash Flow (+)	Cash Flow (-)	Transfer	Market Gain/Loss	Ending Value
Fixed Income	\$19,677,166	\$229,898	(\$700,840)	(\$6,371)	(\$33,642)	\$19,166,211
Large Cap	\$23,449,419	\$311,181	(\$865,477)	\$175,466	(\$761,671)	\$22,308,918
Mid Cap	\$13,011,863	\$137,181	(\$73,321)	(\$401,392)	(\$498,839)	\$12,175,491
International	\$6,038,648	\$85,562	(\$34,024)	\$95,583	(\$278,687)	\$5,907,081
Asset Allocation	\$29,099,490	\$911,519	(\$386,249)	(\$62,954)	(\$905,641)	\$28,656,166
SDBA	\$540,890	\$0	\$0	\$200,005	(\$20,143)	\$720,752
Total	\$91,817,477	\$1,675,340	(\$2,059,912)	\$338	(\$2,498,624)	\$88,934,619

HISTORICAL PLAN CASH FLOWS

	Beginning Value	Net Cash Flow	Market Gain/Loss	Ending Value
3Q23	\$91,817,477	(\$384,234)	(\$2,498,624)	\$88,934,619
YTD	\$83,538,271	(\$560,925)	\$5,957,273	\$88,934,619
2022	\$99,514,917	\$50,322	(\$16,026,968)	\$83,538,271
2021	\$87,552,294	\$1,027,017	\$10,935,606	\$99,514,917
2020	\$71,011,498	\$4,420,058	\$12,120,738	\$87,552,294
2019	\$59,283,975	(\$281,661)	\$12,009,184	\$71,011,498



Equity Indices: Russell 3000, MSCI ACWI ex USA; Fixed Indices: US Treasury 3 Mo T-Bill, Bloomberg Global Aggregate Bond (rebalanced quarterly)

Fixed Income	Ticker	Assets	%
Voya Fixed Account - FICA	-	\$62,315,250	100.0%
Total		\$62,315,250	100.0%

HISTORICAL PLAN CASH FLOWS

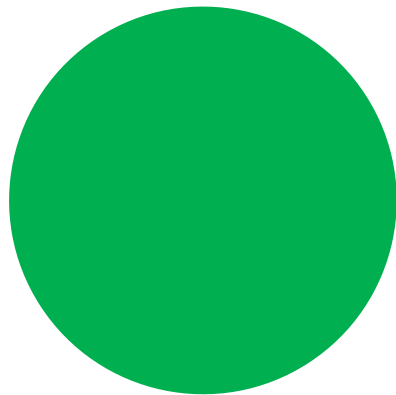
	Beginning Value	Net Cash Flow	Market Gain/Loss	Ending Value
3Q23	\$60,893,388	\$1,079,008	\$342,854	\$62,315,250
YTD	\$58,595,787	\$2,712,395	\$1,007,068	\$62,315,250
2022	\$53,114,954	\$4,247,755	\$1,233,078	\$58,595,787
2021	\$48,389,052	\$3,600,343	\$1,125,559	\$53,114,954
2020	\$45,103,420	\$2,240,312	\$1,045,320	\$48,389,052
2019	\$40,981,957	\$3,480,620	\$640,843	\$45,103,420

TOTAL PLAN ASSETS

\$62,315,250

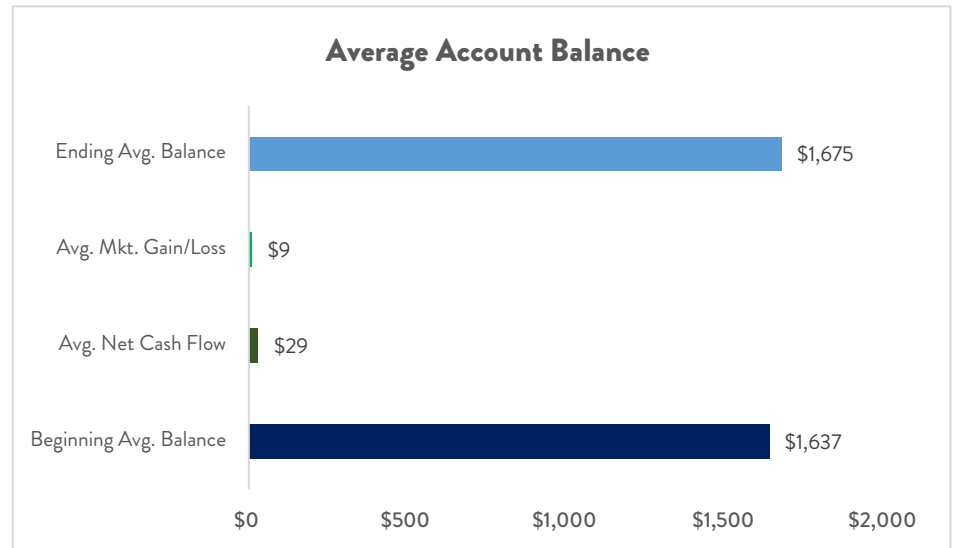
Administrative Account Balance (10/9/23)

\$33,807



Fixed Income
100.0%

Average Account Balance



Section 3

Investment Policy Status

Key: Ⓟ Pass / Ⓢ Caution / ● Fail

	Performance Factors	Qualitative Factors	On-Watch Information	Notes	Added to Plan
Voya Fixed Account	Ⓟ	Ⓟ	-		4Q2004
Voya Fixed Account - FICA	Ⓟ	Ⓟ	-		4Q2004
Vanguard Total Bond Market Index I	Ⓟ	Ⓟ	-		1Q2010
Sterling Capital Total Return Bond R6	Ⓟ	Ⓟ	-		3Q2021
MFS Value R4	Ⓟ	Ⓟ	-		3Q2016
Vanguard Institutional Index Instl Plus	Ⓟ	Ⓟ	-		3Q2021
JPMorgan Large Cap Growth R6	Ⓟ	Ⓟ	-		2Q2023
Vanguard Mid-Cap Value Index Adm	Ⓟ	Ⓟ	-		2Q2017
Vanguard Extended Market Index Instl Plus	Ⓟ	Ⓟ	-		3Q2021
Vanguard Mid-Cap Growth Index Adm	Ⓟ	Ⓟ	-		2Q2022
Vanguard Instl Total Intl Stock Mkt Index Trust	Ⓟ	Ⓟ	-		4Q2022
American Funds EuroPacific Growth R6	Ⓟ	Ⓟ	-		1Q2019
Vanguard Target Retirement Income Trust II	Ⓟ	Ⓟ	-		4Q2022
Vanguard Target Retirement 2020 Trust II	Ⓟ	Ⓟ	-		4Q2022
Vanguard Target Retirement 2025 Trust II	Ⓟ	Ⓟ	-		4Q2022
Vanguard Target Retirement 2030 Trust II	Ⓟ	Ⓟ	-		4Q2022
Vanguard Target Retirement 2035 Trust II	Ⓟ	Ⓟ	-		4Q2022
Vanguard Target Retirement 2040 Trust II	Ⓟ	Ⓟ	-		4Q2022
Vanguard Target Retirement 2045 Trust II	Ⓟ	Ⓟ	-		4Q2022
Vanguard Target Retirement 2050 Trust II	Ⓟ	Ⓟ	-		4Q2022
Vanguard Target Retirement 2055 Trust II	Ⓟ	Ⓟ	-		4Q2022
Vanguard Target Retirement 2060 Trust II	Ⓟ	Ⓟ	-		4Q2022
Vanguard Target Retirement 2065 Trust II	Ⓟ	Ⓟ	-		4Q2022
Vanguard Target Retirement 2070 Trust II	Ⓟ	Ⓟ	-		4Q2022

STATE OF NEVADA

Combined Retirement Plans

	QTR	YTD	1Yr	Annualized				2022	2021	2020	2019	2018
				3Yr	5Yr	10Yr	15Yr					
Voya Fixed Account	0.74	2.24	3.00	3.04	2.96	-	-	3.00	3.10	3.10	2.70	2.54
5 Yr Constant Maturity US Treasury Yield	1.06	2.94	3.95	2.29	2.00	1.89	1.78	3.00	0.85	0.54	1.96	2.75
+/- Index	(0.32)	(0.70)	(0.95)	0.75	0.96	-	-	0.00	2.25	2.56	0.74	(0.21)
US Stable Value	16	12	9	1	1	-	N/A	1	2	1	4	5
Voya Fixed Account - FICA	0.56	1.68	2.25	2.25	2.06	-	-	2.25	2.25	2.25	1.50	1.50
5 Yr Constant Maturity US Treasury Yield	1.06	2.94	3.95	2.29	2.00	1.89	1.78	3.00	0.85	0.54	1.96	2.75
+/- Index	(0.50)	(1.26)	(1.70)	(0.04)	0.06	-	-	(0.75)	1.40	1.71	(0.46)	(1.25)
US Stable Value	73	64	56	10	24	-	N/A	8	3	10	97	83
Vanguard Total Bond Market Index I	-3.08	-0.91	0.74	-5.20	0.15	1.12	2.52	-13.15	-1.65	7.74	8.73	-0.01
Bloomberg US Aggregate Bond Index	-3.23	-1.21	0.64	-5.21	0.10	1.13	2.53	-13.01	-1.54	7.51	8.72	0.01
+/- Index	0.15	0.30	0.10	0.01	0.05	(0.01)	(0.01)	(0.14)	(0.11)	0.23	0.01	(0.02)
US Fund Intermediate Core Bond	41	41	39	52	36	41	N/A	34	55	54	34	27
Sterling Capital Total Return Bond R6	-3.08	-0.69	0.88	-4.64	0.61	1.68	3.35	-13.15	-1.12	9.35	9.37	-0.27
Bloomberg US Aggregate Bond Index	-3.23	-1.21	0.64	-5.21	0.10	1.13	2.53	-13.01	-1.54	7.51	8.72	0.01
+/- Index	0.15	0.52	0.24	0.57	0.51	0.55	0.82	(0.14)	0.42	1.84	0.65	(0.28)
US Fund Intermediate Core Bond	40	28	31	21	13	5	N/A	34	28	15	18	42
MFS Value R4	-3.23	-1.22	12.20	9.48	6.86	8.77	8.95	-5.90	25.42	3.91	30.08	-9.87
Russell 1000 Value Index	-3.16	1.79	14.44	11.05	6.23	8.45	8.59	-7.54	25.16	2.80	26.54	-8.27
+/- Index	(0.07)	(3.01)	(2.24)	(1.57)	0.63	0.32	0.36	1.64	0.26	1.11	3.54	(1.60)
US Fund Large Value	69	81	68	76	36	32	N/A	53	59	37	7	68

STATE OF NEVADA

Combined Retirement Plans

	QTR	YTD	1Yr	<i>Annualized</i>				2022	2021	2020	2019	2018
				3Yr	5Yr	10Yr	15Yr					
Vanguard Institutional Index Instl Plus	-3.27	13.05	21.60	10.13	9.90	11.90	11.29	-18.13	28.69	18.41	31.48	-4.41
S&P 500 Index	-3.27	13.07	21.62	10.15	9.92	11.91	11.28	-18.11	28.71	18.40	31.49	-4.38
+/- Index	0.00	(0.02)	(0.02)	(0.02)	(0.02)	(0.01)	0.01	(0.02)	(0.02)	0.01	0.00	(0.02)
US Fund Large Blend	48	23	28	28	14	7	N/A	49	21	32	22	22
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	15Yr	2022	2021	2020	2019	2018
JPMorgan Large Cap Growth R6	-3.64	18.93	23.20	5.61	13.38	15.32	14.44	-25.21	18.79	56.42	39.39	0.57
Russell 1000 Growth Index	-3.13	24.98	27.72	7.97	12.42	14.48	13.67	-29.14	27.60	38.49	36.39	-1.51
+/- Index	(0.51)	(6.05)	(4.52)	(2.36)	0.96	0.84	0.77	3.93	(8.81)	17.93	3.00	2.08
US Fund Large Growth	48	64	59	38	2	2	N/A	22	68	10	4	26
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	15Yr	2022	2021	2020	2019	2018
Vanguard Mid-Cap Value Index Adm	-4.85	-1.57	10.35	11.31	5.41	8.40	9.88	-7.90	28.76	2.54	27.99	-12.42
Vanguard US Mid Cap Value Index	-4.85	-1.56	10.37	11.36	5.44	8.43	9.93	-7.84	28.83	2.50	28.05	-12.42
+/- Index	0.00	(0.01)	(0.02)	(0.05)	(0.03)	(0.03)	(0.05)	(0.06)	(0.07)	0.04	(0.06)	0.00
US Fund Mid-Cap Value	79	84	77	73	50	22	N/A	45	47	52	42	36
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	15Yr	2022	2021	2020	2019	2018
Vanguard Extended Market Index Instl Plus	-3.34	8.93	14.50	4.72	4.54	7.94	9.72	-26.45	12.48	32.24	28.07	-9.35
Vanguard Extended Market Index	-3.38	8.76	14.28	4.58	4.40	7.80	9.61	-26.54	12.35	32.17	27.95	-9.57
+/- Index	0.04	0.17	0.22	0.14	0.14	0.14	0.11	0.09	0.13	0.07	0.12	0.22
US Fund Mid-Cap Blend	25	10	42	90	72	49	N/A	98	95	2	43	29
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	15Yr	2022	2021	2020	2019	2018
Vanguard Mid-Cap Growth Index Adm	-5.28	8.86	15.06	3.24	7.18	9.46	10.69	-28.84	20.48	34.48	33.86	-5.60
Vanguard US Mid Cap Growth Index	-5.27	8.91	15.12	3.27	7.22	9.51	10.67	-28.83	20.51	34.56	33.93	-5.57
+/- Index	(0.01)	(0.05)	(0.06)	(0.03)	(0.04)	(0.05)	0.02	(0.01)	(0.03)	(0.08)	(0.07)	(0.04)
US Fund Mid-Cap Growth	40	40	39	31	29	38	N/A	55	15	54	49	56

STATE OF NEVADA

Combined Retirement Plans

	QTR	YTD	1Yr	<i>Annualized</i>				2022	2021	2020	2019	2018
				3Yr	5Yr	10Yr	15Yr					
Vanguard Instl Total Intl Stock Mkt Index Trust	-3.99	5.17	20.66	3.97	2.87	-	-	-15.92	8.73	11.48	21.68	-14.35
Vanguard Total International Stock Index	-3.33	5.48	20.40	4.13	2.86	3.72	4.55	-16.10	8.84	11.24	21.81	-14.62
+/- Index	(0.66)	(0.31)	0.26	(0.16)	0.01	-	-	0.18	(0.11)	0.24	(0.13)	0.27
US Fund Foreign Large Blend	25	57	71	54	47	-	N/A	50	63	38	58	38
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	15Yr	2022	2021	2020	2019	2018
American Funds EuroPacific Growth R6	-6.33	5.15	19.64	0.08	3.11	4.64	5.58	-22.72	2.84	25.27	27.40	-14.91
MSCI ACWI Ex-USA (Net) Index	-3.77	5.34	20.39	3.74	2.58	3.35	4.31	-16.00	7.82	10.65	21.51	-14.20
+/- Index	(2.56)	(0.19)	(0.75)	(3.66)	0.53	1.29	1.27	(6.72)	(4.98)	14.61	5.89	(0.71)
US Fund Foreign Large Blend	83	58	80	96	39	13	N/A	96	95	2	10	47
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	15Yr	2022	2021	2020	2019	2018
Vanguard Target Retirement Income Trust II	-2.41	3.15	7.05	-0.12	2.72	3.64	4.71	-12.73	5.25	10.08	13.28	-2.00
Vanguard Retirement Income Index	-2.26	3.24	7.32	0.10	2.97	3.84	4.83	-12.44	5.43	10.70	13.40	-1.98
+/- Index	(0.15)	(0.09)	(0.27)	(0.22)	(0.25)	(0.20)	(0.12)	(0.29)	(0.18)	(0.63)	(0.12)	(0.03)
US Fund Target-Date Retirement	30	21	47	47	22	22	N/A	49	64	29	44	18
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	15Yr	2022	2021	2020	2019	2018
Vanguard Target Retirement 2020 Trust II	-2.63	4.19	9.39	1.46	3.62	5.30	6.27	-14.14	8.24	12.10	17.69	-4.19
Vanguard Retirement 2020 Index	-2.47	4.33	9.67	1.73	3.95	5.53	6.47	-13.77	8.43	12.86	17.87	-4.14
+/- Index	(0.16)	(0.14)	(0.28)	(0.27)	(0.33)	(0.23)	(0.20)	(0.37)	(0.19)	(0.76)	(0.18)	(0.05)
US Fund Target-Date 2020	17	13	34	45	23	15	N/A	40	60	38	32	45
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	15Yr	2022	2021	2020	2019	2018
Vanguard Target Retirement 2025 Trust II	-2.99	5.20	11.57	2.26	4.14	5.88	6.73	-15.44	9.90	13.39	19.75	-5.07
Vanguard Retirement 2025 Index	-2.77	5.41	11.90	2.58	4.50	6.13	6.94	-15.02	10.10	14.19	19.93	-5.01
+/- Index	(0.22)	(0.21)	(0.33)	(0.32)	(0.36)	(0.25)	(0.21)	(0.42)	(0.20)	(0.79)	(0.18)	(0.07)
US Fund Target-Date 2025	34	5	7	26	14	9	N/A	48	45	29	17	43

STATE OF NEVADA

Combined Retirement Plans

	QTR	YTD	1Yr	<i>Annualized</i>				2022	2021	2020	2019	2018
				3Yr	5Yr	10Yr	15Yr					
Vanguard Target Retirement 2030 Trust II	-3.24	5.93	13.12	3.05	4.55	6.36	7.11	-16.16	11.46	14.19	21.15	-5.79
Vanguard Retirement 2030 Index	-2.98	6.17	13.52	3.40	4.91	6.62	7.34	-15.71	11.65	14.96	21.33	-5.74
+/- Index	(0.26)	(0.24)	(0.40)	(0.35)	(0.36)	(0.26)	(0.23)	(0.45)	(0.19)	(0.78)	(0.18)	(0.05)
US Fund Target-Date 2030	35	6	10	33	18	14	N/A	43	53	33	35	37
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	15Yr	2022	2021	2020	2019	2018
Vanguard Target Retirement 2035 Trust II	-3.30	6.65	14.65	3.98	5.01	6.87	7.55	-16.52	13.07	14.92	22.57	-6.54
Vanguard Retirement 2035 Index	-3.04	6.89	14.98	4.31	5.37	7.14	7.77	-16.22	13.24	15.67	22.76	-6.48
+/- Index	(0.26)	(0.24)	(0.33)	(0.33)	(0.36)	(0.27)	(0.22)	(0.30)	(0.17)	(0.75)	(0.19)	(0.06)
US Fund Target-Date 2035	26	19	24	52	30	22	N/A	35	74	37	45	29
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	15Yr	2022	2021	2020	2019	2018
Vanguard Target Retirement 2040 Trust II	-3.36	7.39	16.18	4.87	5.45	7.34	7.94	-16.94	14.68	15.57	23.97	-7.30
Vanguard Retirement 2040 Index	-3.10	7.62	16.48	5.23	5.82	7.62	8.17	-16.51	14.85	16.31	24.19	-7.22
+/- Index	(0.26)	(0.23)	(0.30)	(0.36)	(0.37)	(0.28)	(0.23)	(0.43)	(0.17)	(0.73)	(0.22)	(0.08)
US Fund Target-Date 2040	24	30	43	59	31	23	N/A	33	78	39	44	32
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	15Yr	2022	2021	2020	2019	2018
Vanguard Target Retirement 2045 Trust II	-3.42	8.11	17.73	5.79	5.93	7.68	8.17	-17.33	16.33	16.27	25.07	-7.86
Vanguard Retirement 2045 Index	-3.15	8.35	17.98	6.14	6.30	7.96	8.40	-16.84	16.45	17.03	25.36	-7.77
+/- Index	(0.27)	(0.24)	(0.25)	(0.35)	(0.37)	(0.28)	(0.23)	(0.49)	(0.12)	(0.76)	(0.29)	(0.10)
US Fund Target-Date 2045	18	26	31	39	24	16	N/A	30	61	35	36	39
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	15Yr	2022	2021	2020	2019	2018
Vanguard Target Retirement 2050 Trust II	-3.48	8.50	18.52	5.98	6.05	7.74	8.21	-17.45	16.60	16.42	25.05	-7.83
Vanguard Retirement 2050 Index	-3.20	8.74	18.72	6.33	6.42	8.02	8.44	-17.07	16.77	17.18	25.36	-7.77
+/- Index	(0.28)	(0.24)	(0.20)	(0.35)	(0.37)	(0.28)	(0.23)	(0.38)	(0.17)	(0.76)	(0.31)	(0.06)
US Fund Target-Date 2050	20	23	25	36	22	15	N/A	28	62	35	42	32

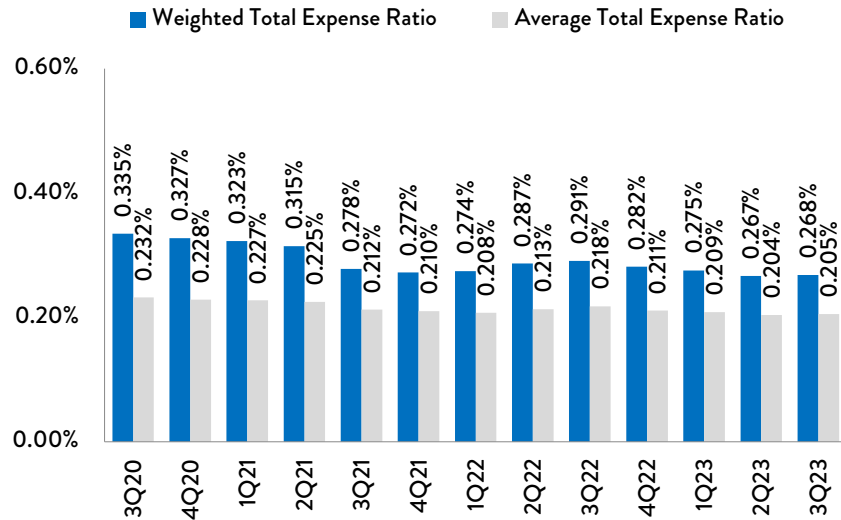
STATE OF NEVADA

Combined Retirement Plans

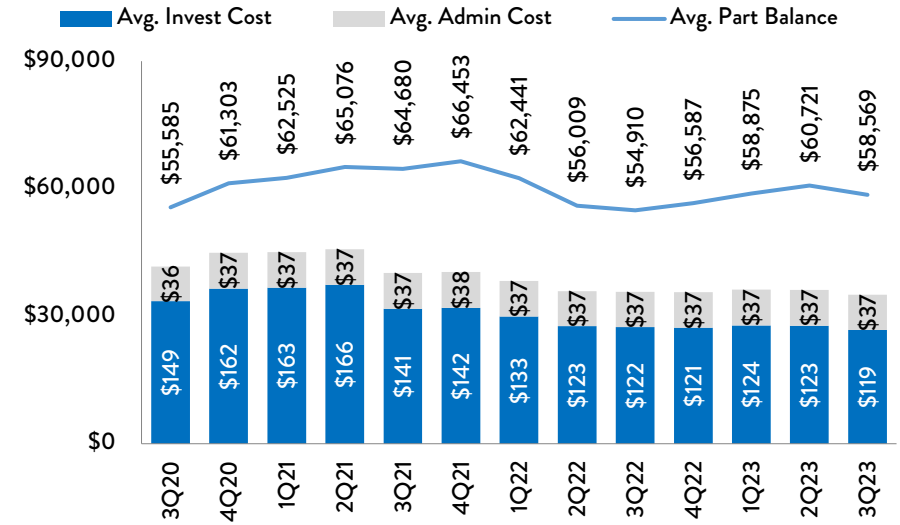
	QTR	YTD	1Yr	<i>Annualized</i>				2022	2021	2020	2019	2018
				3Yr	5Yr	10Yr	15Yr					
Vanguard Target Retirement 2055 Trust II	-3.48	8.50	18.52	5.98	6.05	7.72	-	-17.44	16.59	16.41	25.07	-7.85
Vanguard Retirement 2055 Index	-3.20	8.74	18.72	6.33	6.42	8.02	-	-17.07	16.77	17.18	25.36	-7.77
+/- Index	(0.28)	(0.24)	(0.20)	(0.35)	(0.37)	(0.30)	-	(0.37)	(0.18)	(0.76)	(0.29)	(0.09)
US Fund Target-Date 2055	19	26	30	44	22	19	N/A	25	68	38	43	34
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	15Yr	2022	2021	2020	2019	2018
Vanguard Target Retirement 2060 Trust II	-3.48	8.51	18.54	5.99	6.07	7.74	-	-17.41	16.56	16.50	25.09	-7.85
Vanguard Retirement 2060 Index	-3.20	8.74	18.72	6.33	6.42	8.02	-	-17.07	16.77	17.18	25.36	-7.77
+/- Index	(0.28)	(0.23)	(0.18)	(0.34)	(0.35)	(0.28)	-	(0.34)	(0.21)	(0.68)	(0.27)	(0.09)
US Fund Target-Date 2060	19	31	29	48	24	11	N/A	24	73	38	48	30
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	15Yr	2022	2021	2020	2019	2018
Vanguard Target Retirement 2065 Trust II	-3.49	8.49	18.51	5.97	6.08	-	-	-17.40	16.54	16.45	25.11	-7.70
Vanguard Retirement 2065 Index	-3.20	8.74	18.72	6.33	6.42	-	-	-17.07	16.77	17.18	25.36	-7.77
+/- Index	(0.29)	(0.25)	(0.21)	(0.36)	(0.34)	-	-	(0.33)	(0.23)	(0.73)	(0.25)	0.07
US Fund Target-Date 2065+	20	34	36	40	20	-	N/A	18	64	51	59	-
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	15Yr	2022	2021	2020	2019	2018
Vanguard Target Retirement 2070 Trust II	-3.46	8.51	18.60	-	-	-	-	-	-	-	-	-
Vanguard Retirement 2070 Index	-3.20	8.74	18.72	-	-	-	-	-	-	-	-	-
+/- Index	(0.26)	(0.23)	(0.12)	-	-	-	-	-	-	-	-	-
US Fund Target-Date 2065+	17	33	35	-	-	-	N/A	-	-	-	-	-

Section 4

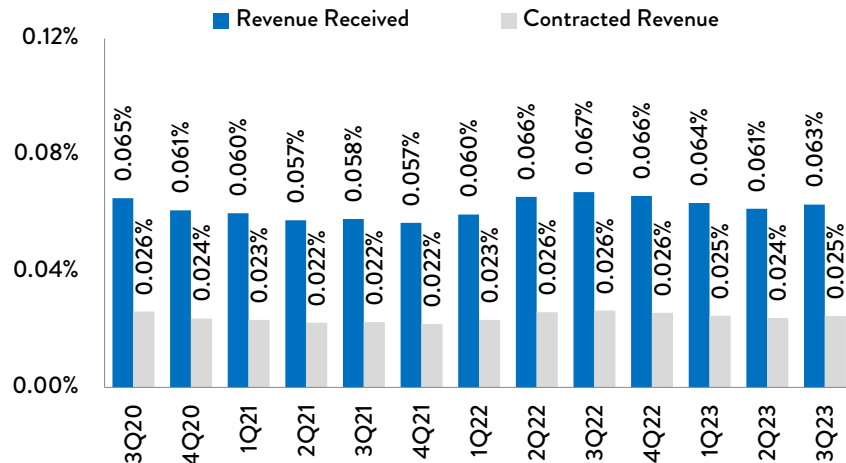
Annualized Plan Cost (%)



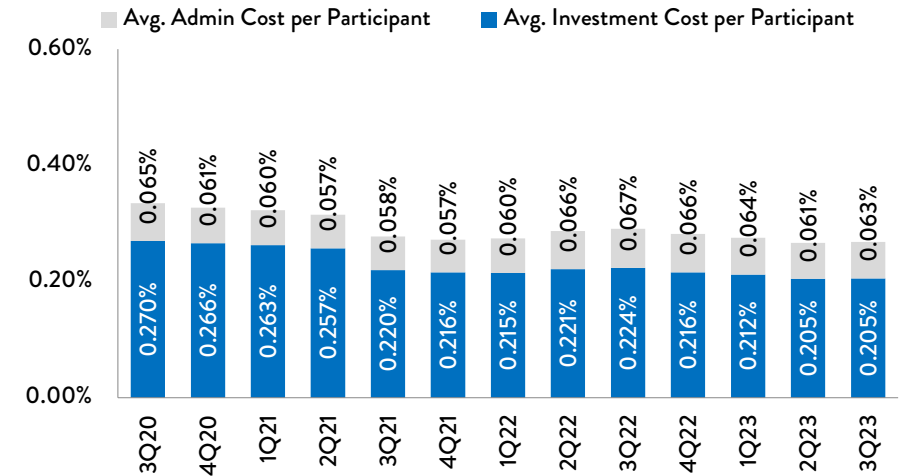
Average Participant Balance and Cost (\$)



Annualized Contracted Revenue v. Revenue Received (as a % of total assets)



Annualized Total Cost Summary (as a % of total assets)



*Administration costs are only charged to accounts with balances over \$1,000. For reporting purposes the total amounts charged are displayed relative to all participant accounts with a balance.

STATE OF NEVADA

Combined 457(b) DC Plans

PLAN FEE ANALYSIS

Third Quarter 2023

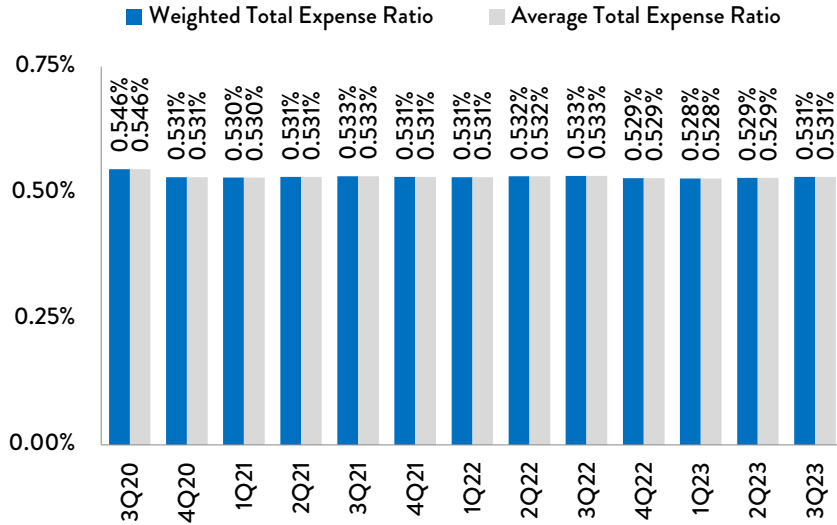
Annualized

Fund	Ticker	Quarter End Balance	Net Expense Ratio	Admin Fee	Est. Total Invest. Cost	Est. Total Admin. Cost
Voya Fixed Account	-	\$327,537,850	0.400%	0.06%	\$1,310,151	\$206,200
Vanguard Total Bond Market Index I	VBPIX	\$34,836,325	0.035%	0.06%	\$12,193	\$21,931
Sterling Capital Total Return Bond R6	STRDX	\$1,897,058	0.350%	0.06%	\$6,640	\$1,194
MFS Value R4*	MEIIX	\$20,212,092	0.400%	0.06%	\$80,848	\$12,724
Vanguard Institutional Index Instl Plus	VIIIIX	\$141,143,490	0.020%	0.06%	\$28,229	\$88,856
JPMorgan Large Cap Growth R6	JLGMX	\$65,793,240	0.440%	0.06%	\$289,490	\$41,420
Vanguard Mid-Cap Value Index Adm	VMVAX	\$6,955,922	0.070%	0.06%	\$4,869	\$4,379
Vanguard Extended Market Index Instl Plus	VEMPX	\$94,469,752	0.040%	0.06%	\$37,788	\$59,473
Vanguard Mid-Cap Growth Index Adm	VMGMX	\$20,211,453	0.070%	0.06%	\$14,148	\$12,724
Vanguard Instl Total Intl Stock Mkt Index Trust	-	\$43,018,913	0.080%	0.06%	\$34,415	\$27,082
American Funds EuroPacific Growth R6	RERGX	\$6,266,510	0.470%	0.06%	\$29,453	\$3,945
Vanguard Target Retirement Income Trust II	-	\$38,638,308	0.075%	0.06%	\$28,979	\$24,325
Vanguard Target Retirement 2020 Trust II	-	\$11,447,025	0.075%	0.06%	\$8,585	\$7,206
Vanguard Target Retirement 2025 Trust II	-	\$43,212,738	0.075%	0.06%	\$32,410	\$27,204
Vanguard Target Retirement 2030 Trust II	-	\$16,020,138	0.075%	0.06%	\$12,015	\$10,085
Vanguard Target Retirement 2035 Trust II	-	\$52,689,691	0.075%	0.06%	\$39,517	\$33,171
Vanguard Target Retirement 2040 Trust II	-	\$9,386,735	0.075%	0.06%	\$7,040	\$5,909
Vanguard Target Retirement 2045 Trust II	-	\$28,290,282	0.075%	0.06%	\$21,218	\$17,810
Vanguard Target Retirement 2050 Trust II	-	\$6,512,439	0.075%	0.06%	\$4,884	\$4,100
Vanguard Target Retirement 2055 Trust II	-	\$8,257,742	0.075%	0.06%	\$6,193	\$5,199
Vanguard Target Retirement 2060 Trust II	-	\$2,696,288	0.075%	0.06%	\$2,022	\$1,697
Vanguard Target Retirement 2065 Trust II	-	\$1,257,833	0.075%	0.06%	\$943	\$792
Vanguard Target Retirement 2070 Trust II	-	\$305,149	0.075%	0.06%	\$229	\$192
Self-Directed Brokerage Account	-	\$10,101,817	-	0.06%	-	\$6,360
TOTAL		\$991,158,791			\$2,012,260	\$623,979

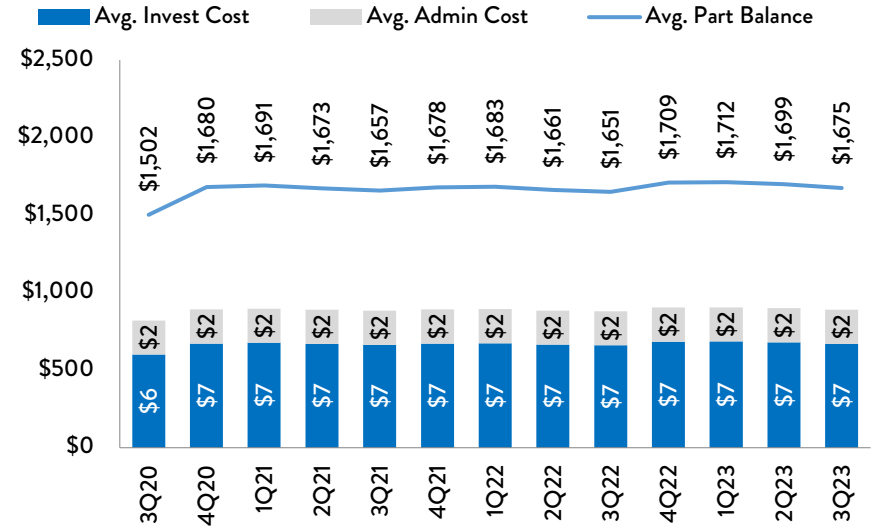
Plan Administration Cost	Quarter	Annualized
Plan Generated Revenue (\$41.00 per ppt with >\$1,000 bal) (est):	\$155,995	\$623,979
Contracted Revenue (\$14.50 per participant) (est):	\$60,777	\$243,107
Net Excess/(Deficit) (est):	\$95,218	\$380,872

*Revenue derived from funds credited to participant accounts in which they are held. For fee reporting purposes, the credit has been used to offset the reported fund expense ratio. An expense ratio of 0.40% was assumed for the Voya Fixed Account.

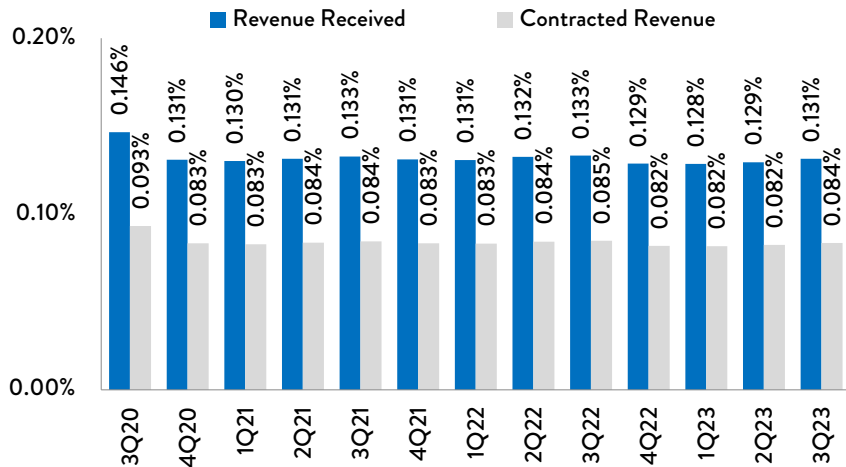
Annualized Plan Cost (%)



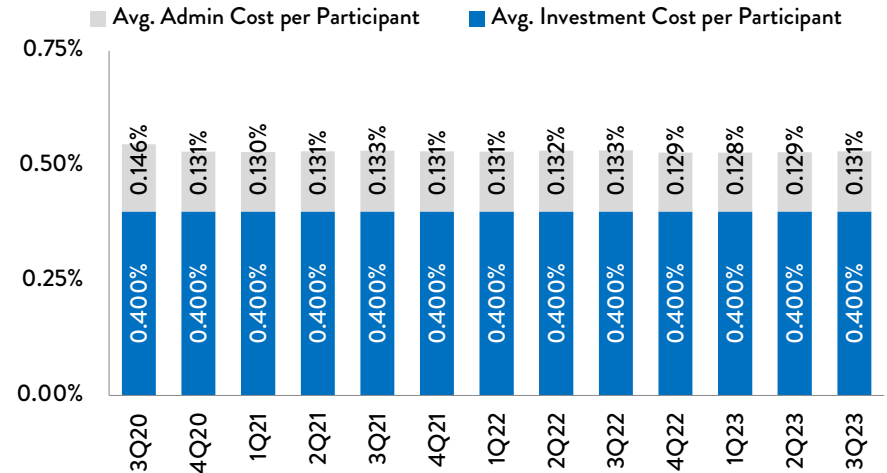
Average Participant Balance and Cost (\$)



Annualized Contracted Revenue v. Revenue Received (as a % of total assets)



Annualized Total Cost Summary (as a % of total assets)



STATE OF NEVADA
FICA Alternative OBRA Plan

PLAN FEE ANALYSIS
Third Quarter 2023

Annualized

Fund	Ticker	Quarter End Balance	Net Expense Ratio	Admin Fee	Est. Total Invest. Cost	Est. Total Admin. Cost
Voya Fixed Account - FICA	-	\$62,315,250	0.40%	0.13%	\$249,261	\$81,849
TOTAL		\$62,315,250			\$249,261	\$81,849

Plan Administration Cost	Quarter	Annualized
Plan Generated Revenue (\$2.20 per participant) (est):	\$20,462	\$81,849
Contracted Revenue (\$1.40 per participant) (est):	\$13,021	\$52,086
Net Excess/(Deficit) (est):	\$7,441	\$29,763

An expense ratio of 0.40% was assumed for the Voya Fixed Account.

Section 5

American Funds Europacific Growth R6 (USD)

Morningstar Medalist Rating™	Analyst-Driven %	Morningstar Rating™	Standard Index	Category Index	Morningstar Cat
Gold 07-17-2023	100.00 Data Coverage % 100.00	★★★ 383 US Fund Foreign Large Growth	MSCI ACWI Ex USA NR USD	MSCI ACWI Ex USA Growth NR USD	US Fund Foreign Large Growth

Operations

Family:	American Funds	Ticker:	REGX	Purchase Constraints:	A
Manager:	Multiple	ISIN:	US2987068218	Incept:	05-01-2009
Tenure:	22.4 Years	Minimum Initial Purchase:	\$250	Type:	MF
Objective:	Foreign Stock	Min Auto Investment Plan:	\$250	Total Assets:	\$127,235.29 mil
Base Currency:	USD	Minimum IRA Purchase:	\$25		

Sterling Capital Total Return Bond R6 (USD)

Morningstar Medalist Rating™	Analyst-Driven %	Morningstar Rating™	Standard Index	Category Index	Morningstar Cat
Neutral	10.00	★★★★	Bloomberg US Agg Bond TR USD	Bloomberg US Agg Bond TR USD	US Fund Intermediate Core Bond
09-30-2023	Data Coverage % 100.00	423 US Fund Intermediate Core Bond			

Operations

Family:	Sterling Capital Funds	Ticker:	STRDX	Incept:	02-01-2018
Manager:	Multiple	ISIN:	US85918D6242	Type:	MF
Tenure:	15.8 Years	Minimum Initial Purchase:	\$10 mil	Total Assets:	\$1,289.94 mil
Objective:	Growth and Income	Min Auto Investment Plan:	\$10 mil		
Base Currency:	USD	Purchase Constraints:	A		

Vanguard Institutional Total International Stock Market Index Trust

International stock fund

Fund facts

Risk level Low <-----> High	Total net assets	Inception date	Fund number
1 2 3 4 5	\$22,967 MM	06/24/16	2069

Investment objective

Vanguard Institutional Total International Stock Market Index Trust seeks to track the performance of a benchmark index that measures the investment return of stocks issued by companies located in developed and emerging markets, excluding the United States.

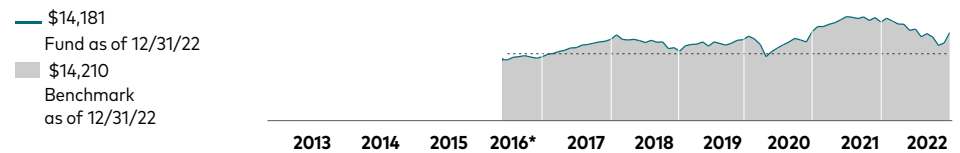
Investment strategy

The trust portfolio employs an indexing investment approach designed to track the performance of the FTSE Global All Cap ex US Index, a free-float-adjusted market-capitalization-weighted index designed to measure equity market performance of companies located in developed and emerging markets, excluding the United States. The index includes more than 5,300 stocks of companies located in 46 countries. The trust invests substantially all of its assets in the common stocks included in its target index.

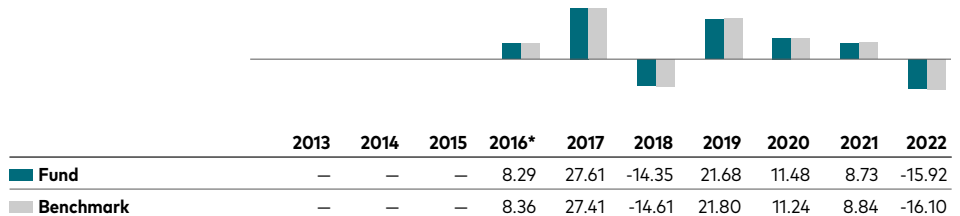
Benchmark

FTSE Global All Cap ex US Index

Growth of a \$10,000 investment: June 30, 2016–December 31, 2022



Annual returns



Total returns

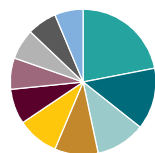
Periods ended September 30, 2023

	Quarter	Year to date	One year	Three years	Five years	Since inception
Fund	-3.99%	5.17%	20.65%	3.97%	2.87%	6.16%
Benchmark	-3.33%	5.48%	20.40%	4.13%	2.86%	-

The performance data shown represent past performance, which is not a guarantee of future results. Investment returns and principal value will fluctuate, so investors' shares, when sold, may be worth more or less than their original cost. Current performance may be lower or higher than the performance data cited. For performance data current to the most recent month-end, visit our website at vanguard.com/performance. The performance of an index is not an exact representation of any particular investment, as you cannot invest directly in an index.

Figures for periods of less than one year are cumulative returns. All other figures represent average annual returns. Performance figures include the reinvestment of all dividends and any capital gains distributions. All returns are net of expenses.

Market allocation—stocks



Japan	16.0%	Switzerland	5.7
United Kingdom	10.0	India	5.1
China	8.0	Germany	4.9
Canada	7.1	Australia	4.8
France	6.7	Taiwan	4.6

* Partial return since fund started, June 24, 2016.

FTSE Global All Cap ex US Index: Consists of large-, mid-, and small-cap stocks globally, excluding the U.S. The index is derived from the FTSE Global Equity Index Series (GEIS), which covers approximately 98% of the world's investable market capitalization. Index returns are adjusted for withholding taxes.

Vanguard Institutional Total International Stock Market Index Trust

International stock fund

Ten largest holdings*

1	Taiwan Semiconductor Manufacturing Co. Ltd.	
2	Nestle SA	
3	Novo Nordisk A/S	
4	Samsung Electronics Co. Ltd.	
5	Tencent Holdings Ltd.	
6	ASML Holding NV	
7	Toyota Motor Corp.	
8	Shell plc	
9	Novartis AG	
10	AstraZeneca plc	
Top 10 as % of total net assets		9.5%

* The holdings listed exclude any temporary cash investments and equity index products.

Sector Diversification



Financials	19.6%	Basic Materials	7.2
Industrials	15.0	Energy	6.1
Consumer Discretionary	13.6	Telecommunications	3.9
Technology	11.6	Utilities	3.4
Health Care	9.2	Real Estate	3.1
Consumer Staples	7.3	Other	0.0

Sector categories are based on the Industry Classification Benchmark system ("ICB"), except for the "Other" category (if applicable), which includes securities that have not been provided an ICB classification as of the effective reporting period.

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Plain talk about risk

An investment in the trust portfolio could lose money over short or even long periods. You should expect the trust portfolio's share price and total return to fluctuate within a wide range, like the fluctuations of the overall stock market. The trust portfolio's performance could be hurt by:

Stock market risk: The chance that stock prices overall will decline. Stock markets tend to move in cycles, with periods of rising stock prices and periods of falling stock prices. The fund's investments in foreign stocks can be riskier than U.S. stock investments. Foreign stocks tend to be more volatile and less liquid than U.S. stocks. The prices of foreign stocks and the prices of U.S. stocks may move in opposite directions. In addition, the fund's target index may, at times, become focused in stocks of a particular market sector, which would subject the fund to proportionately higher exposure to the risks of that sector.

Country/regional risk: The chance that world events—such as political upheaval, financial troubles, or natural disasters—will adversely affect the value of securities issued by companies in foreign countries or regions. Because the fund may invest a large portion of its assets in securities of companies located in any one country or region, its performance may be hurt disproportionately by the poor performance of its investments in that area. Country/regional risk is especially high in emerging markets.

Currency risk: The chance that the value of a foreign investment, measured in U.S. dollars, will decrease because of unfavorable changes in currency exchange rates.

Investment style risk: The chance that returns from small- and mid-capitalization stocks, to the extent that the fund invests in them, will trail returns from the overall stock market. Historically, these stocks have been more volatile in price than the large-cap stocks that dominate the overall market, and they often perform quite differently.

Emerging markets risk: The chance the stocks of companies located in emerging markets will be substantially more volatile, and substantially less liquid, than the stocks of companies located in more developed foreign markets.

Note on frequent trading restrictions

Frequent trading policies may apply to those funds offered as investment options within your plan. Please log on to [vanguard.com](https://www.vanguard.com) for your employer plans or contact Participant Services at 800-523-1188 for additional information.

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This investment is not a mutual fund. It is a collective trust available only to tax-qualified plans and their eligible participants.

For more information about Vanguard funds or to obtain a prospectus, see below for which situation is right for you.

If you receive your retirement plan statement from Vanguard or log on to Vanguard's website to view your plan, visit [vanguard.com](https://www.vanguard.com) or call 800-523-1188.

If you receive your retirement plan statement from a service provider other than Vanguard or log on to a recordkeeper's website that is not Vanguard to view your plan, please call 855-402-2646.

Visit [vanguard.com](https://www.vanguard.com) to obtain a prospectus or, if available, a summary prospectus. Investment objectives, risks, charges, expenses, and other important information about a fund are contained in the prospectus; read and consider it carefully before investing.

Vanguard Mid-Cap Growth Index Admiral (USD)

Morningstar Medalist Rating™ 100.00 **Analyst-Driven %** 100.00 **Morningstar Rating™** ★★★ **Standard Index** S&P 500 TR USD **Category Index** Russell Mid Cap Growth TR USD **Morningstar Cat** US Fund Mid-Cap Growth

Gold **Data Coverage %** 100.00 **521 US Fund Mid-Cap Growth**

01-23-2023

Performance 10-31-2023

Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2021	1.25	10.25	0.16	7.76	20.48
2022	-12.32	-21.19	-2.58	5.69	-28.84
2023	8.74	5.69	-5.28	—	2.43

Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	1.45	1.41	8.05	8.56	10.77
Std 09-30-2023	15.06	—	7.18	9.46	11.41
Total Return	1.45	1.41	8.05	8.56	10.77

+/- Std Index	-8.70	-8.95	-2.96	-2.61	—
+/- Cat Index	-1.90	0.62	-0.03	-0.53	—
% Rank Cat	37	39	29	38	—
No. in Cat	556	521	493	396	—

7-day Yield	Subsidized		Unsubsidized	
30-day SEC Yield 11-03-23	0.83		0.77	

Performance Disclosure
 The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.
 The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.
 Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-662-7447 or visit www.vanguard.com.

Fees and Expenses

Sales Charges	NA
Front-End Load %	NA
Deferred Load %	NA

Fund Expenses

Management Fees %	0.06
12b1 Expense %	NA
Net Expense Ratio %	0.07
Gross Expense Ratio %	0.07

Risk and Return Profile

	3 Yr	5 Yr	10 Yr
Morningstar Rating™	3★	4★	3★
Morningstar Risk	Avg	Avg	Avg
Morningstar Return	Avg	+Avg	Avg

	3 Yr	5 Yr	10 Yr
Standard Deviation	21.69	22.01	17.53
Mean	1.41	8.05	8.56
Sharpe Ratio	0.07	0.38	0.49

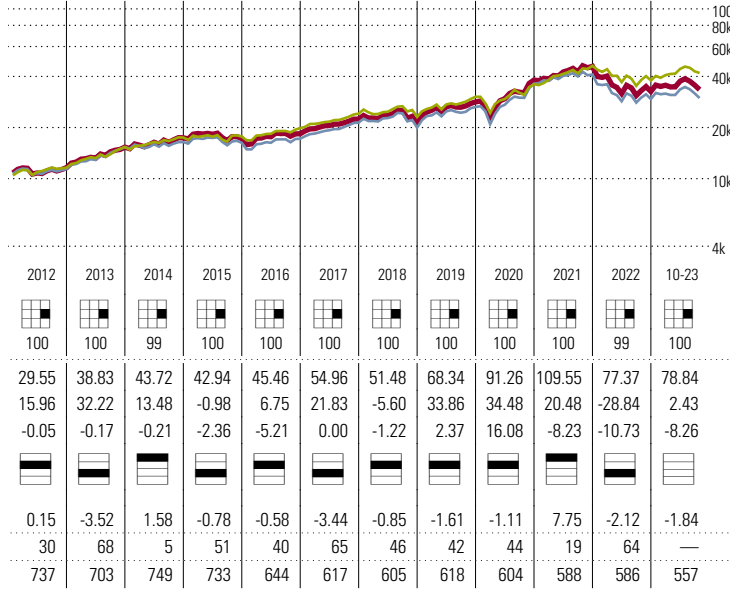
MPT Statistics

	Standard Index	Best Fit Index Morningstar US Mid Brd Grt TR USD
Alpha	-9.03	-0.30
Beta	1.14	1.04
R-Squared	87.61	99.02

12-Month Yield	0.78%
Potential Cap Gains Exp	-5.15%

Operations

Family:	Vanguard
Manager:	Multiple
Tenure:	10.8 Years
Objective:	Growth



Growth of \$10,000

- Vanguard Mid-Cap Growth Index Admiral: 33,433
- Category Average: 29,844
- Standard Index: 41,929

Investment Style
Equity/Stocks %

NAV/Price
Total Return %
+/- Standard Index

Performance Quartile
(within category)
+/- Category Index
% Rank Cat
No. of Funds in Cat

Portfolio Analysis 09-30-2023

Asset Allocation %

	Net %	Long %	Short %
Cash	0.28	0.28	0.00
US Stocks	98.32	98.32	0.00
Non-US Stocks	1.40	1.40	0.00
Bonds	0.00	0.00	0.00
Other/Not Clsfd	0.00	0.00	0.00
Total	100.00	100.00	0.00

Equity Style

Value	Blend	Growth
High		
Mid		
Low		

Portfolio Statistics

	Port Avg	Rel Index	Rel Cat
P/E Ratio TTM	25.1	1.21	0.93
P/C Ratio TTM	17.5	1.19	0.90
P/B Ratio TTM	4.7	1.28	0.95
Geo Avg Mkt Cap \$mil	26499	0.12	1.43

Fixed-Income Style

Ltd	Mod	Ext
High		
Mid		
Low		

Credit Quality Breakdown — Bond %

AAA	—
AA	—
A	—
BBB	—
BB	—
B	—
Below B	—
NR	—

Regional Exposure

	Stocks %	Rel Std Index
Americas	99.8	1.00
Greater Europe	0.0	0.00
Greater Asia	0.2	5.97

Holdings

Share since 08-2023	Share Amount	Holdings	Net Assets %
	157	Total Stocks, 0 Total Fixed-Income, 22% Turnover Ratio	
⊖	4 mil	Amphenol Corp Class A	1.70
⊖	1 mil	Motorola Solutions Inc	1.54
⊖	361,594	TransDigm Group Inc	1.50
⊖	2 mil	Arista Networks Inc	1.45
⊕	4 mil	Welltower Inc	1.44
⊖	4 mil	Microchip Technology Inc	1.44
⊖	2 mil	Hess Corp	1.44
⊖	596,496	Cintas Corp	1.41
⊖	678,307	Old Dominion Freight Line Inc Ordi	1.37
⊖	3 mil	ON Semiconductor Corp	1.36
⊖	518,232	MSCI Inc	1.31
⊖	2 mil	Cheniere Energy Inc	1.29
⊖	6 mil	Copart Inc	1.26
⊖	3 mil	DexCom Inc	1.23
⊖	3 mil	Apollo Global Management Inc Class	1.21

Sector Weightings

	Stocks %	Rel Std Index
Cyclical	24.1	0.87
Basic Materials	2.6	1.19
Consumer Cyclical	8.8	0.82
Financial Services	6.0	0.49
Real Estate	6.7	2.83
Sensitive	58.7	1.17
Communication Services	5.1	0.58
Energy	6.7	1.47
Industrials	16.7	2.04
Technology	30.2	1.05
Defensive	17.2	0.77
Consumer Defensive	2.0	0.31
Healthcare	14.6	1.10
Utilities	0.6	0.24

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Vanguard Mid-Cap Value Index Admiral (USD)

Performance 10-31-2023					
Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2021	13.70	4.84	-0.19	8.21	28.76
2022	0.04	-13.05	-5.55	12.11	-7.90
2023	-0.36	3.83	-4.85	—	-5.18
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	-3.53	9.69	6.17	7.52	10.67
Std 09-30-2023	10.35	—	5.41	8.40	11.09
Total Return	-3.53	9.69	6.17	7.52	10.67
+/- Std Index	-13.67	-0.67	-4.84	-3.66	—
+/- Cat Index	0.04	0.91	0.48	0.63	—
% Rank Cat	71	71	58	23	—
No. in Cat	397	379	363	269	—
		Subsidized	Unsubsidized		
7-day Yield	—		—		
30-day SEC Yield 11-03-23	2.58		2.46		

Performance Disclosure
 The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.
 The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.
 Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-662-7447 or visit www.vanguard.com.

Fees and Expenses	
Sales Charges	
Front-End Load %	NA
Deferred Load %	NA
Fund Expenses	
Management Fees %	0.06
12b1 Expense %	NA
Net Expense Ratio %	0.07
Gross Expense Ratio %	0.07

Risk and Return Profile			
	3 Yr	5 Yr	10 Yr
Morningstar Rating™	2★	3★	4★
Morningstar Risk	Avg	Avg	-Avg
Morningstar Return	-Avg	Avg	+Avg
	3 Yr	5 Yr	10 Yr
Standard Deviation	19.42	21.74	16.94
Mean	9.69	6.17	7.52
Sharpe Ratio	0.46	0.30	0.44

MPT Statistics	Standard Index	Best Fit Index
	Morningstar US Mid	Morningstar US Mid
	Brd Val TR USD	
Alpha	-0.17	-0.96
Beta	0.98	0.98
R-Squared	80.55	99.38
12-Month Yield	2.60%	
Potential Cap Gains Exp	4.96%	

Operations	
Family:	Vanguard
Manager:	Multiple
Tenure:	17.3 Years
Objective:	Growth

Morningstar Medalist Rating™	Analyst-Driven %	Morningstar Rating™	Standard Index	Category Index	Morningstar Cat
Gold	100.00	★★★	S&P 500 TR USD	Russell Mid Cap Value TR USD	US Fund Mid-Cap Value
01-24-2023	Data Coverage %	379 US Fund Mid-Cap Value			
	100.00				

Year	Vanguard Mid-Cap Value Index Admiral	Category Average	Standard Index
2012	30.47	16.02	0.02
2013	41.30	37.66	5.27
2014	46.30	13.98	0.30
2015	44.54	-1.80	-3.18
2016	50.31	15.26	3.30
2017	57.74	17.04	-4.79
2018	49.33	-12.42	-8.04
2019	61.79	27.99	-3.49
2020	61.61	2.54	-15.86
2021	77.84	28.76	0.05
2022	70.08	-7.90	10.21
2023	65.37	-5.18	-15.87

Year	Subsidized	Unsubsidized
2012	100	100
2013	100	100
2014	100	100
2015	100	100
2016	99	100
2017	100	100
2018	100	100
2019	100	100
2020	100	100
2021	99	100
2022	100	100
2023	99	100

Year	Subsidized	Unsubsidized
2012	-2.48	4.20
2013	4.20	-0.77
2014	-0.77	2.98
2015	2.98	-4.74
2016	-4.74	3.70
2017	3.70	-0.13
2018	-0.13	0.93
2019	0.93	-2.42
2020	-2.42	0.42
2021	0.42	4.13
2022	4.13	-0.74
2023	-0.74	—

Year	Subsidized	Unsubsidized
2012	57	425
2013	25	415
2014	11	460
2015	17	471
2016	71	399
2017	13	405
2018	45	417
2019	32	422
2020	55	415
2021	53	413
2022	47	405
2023	—	397

Portfolio Analysis 09-30-2023							
Asset Allocation %	Net %	Long %	Short %	Share Chg since 08-2023	Share Amount	Holdings : 194 Total Stocks, 0 Total Fixed-Income, 18% Turnover Ratio	Net Assets %
Cash	0.52	0.52	0.00				
US Stocks	98.09	98.09	0.00				
Non-US Stocks	1.39	1.39	0.00		2 mil	Arthur J. Gallagher & Co	1.53
Bonds	0.00	0.00	0.00		7 mil	Carrier Global Corp Ordinary Shares	1.44
Other/Not Clsfd	0.00	0.00	0.00		4 mil	PACCAR Inc	1.39
Total	100.00	100.00	0.00		20 mil	PG&E Corp	1.23
					2 mil	Nucor Corp	1.21
					4 mil	Centene Corp	1.16
					2 mil	Digital Realty Trust Inc	1.14
					6 mil	Corteva Inc	1.13
					8 mil	Baker Hughes Co Class A	1.11
					835,926	Ameriprise Financial Inc	1.06
					2 mil	Ferguson PLC	1.05
					2 mil	D.R. Horton Inc	1.02
					1 mil	Cummins Inc	1.01
					1 mil	Cencora Inc	0.96
					556,186	United Rentals Inc	0.95

Equity Style	Portfolio Statistics	Port Avg	Rel Index	Rel Cat
Value Blend Growth	P/E Ratio TTM	15.4	0.74	1.17
	P/C Ratio TTM	9.5	0.64	1.07
	P/B Ratio TTM	2.0	0.54	1.09
	Geo Avg Mkt Cap \$mil	22069	0.10	1.72
Fixed-Income Style	Avg Eff Maturity	—		
	Avg Eff Duration	—		
	Avg Wtd Coupon	—		
	Avg Wtd Price	—		

Credit Quality Breakdown	Bond %
AAA	—
AA	—
A	—
BBB	—
BB	—
B	—
Below B	—
NR	—

Regional Exposure	Stocks %	Rel Std Index
Americas	98.6	0.99
Greater Europe	1.2	2.25
Greater Asia	0.2	5.51

Sector Weightings	Stocks %	Rel Std Index
Cyclical	43.5	1.57
Basic Materials	7.1	3.24
Consumer Cyclical	8.6	0.80
Financial Services	18.0	1.46
Real Estate	9.8	4.14
Sensitive	28.8	0.58
Communication Services	2.9	0.33
Energy	3.4	0.75
Industrials	14.5	1.76
Technology	8.1	0.28
Defensive	27.7	1.24
Consumer Defensive	6.1	0.93
Healthcare	9.1	0.69
Utilities	12.5	5.01

Vanguard Target Retirement 2020 Trust II

Balanced fund (stocks and bonds)

Fund facts

Risk level Low ← → High					Total net assets \$6,525 MM	Expense ratio as of 03/31/21 0.075%	Inception date 02/29/08	Fund number 1474
1	2	3	4	5				

Investment objective

Vanguard Target Retirement 2020 Trust II seeks to provide capital appreciation and current income consistent with its current asset allocation.

Investment strategy

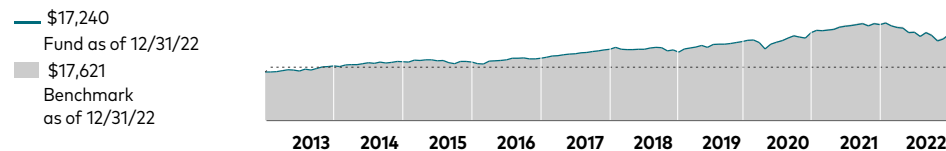
The trust invests in other Vanguard mutual funds and trusts according to an asset allocation strategy designed for investors planning to retire and leave the workforce in or within a few years of 2020 (the target year). The trust's asset allocation will become more conservative over time, meaning that the percentage of assets allocated to stocks will decrease while the percentage of assets allocated to bonds and other fixed income investments will increase. Within seven years after 2020, the trust's asset allocation should resemble that of the Target Retirement Income Trust II. The underlying holdings are: Vanguard Total Stock Market Index Fund, Vanguard Total Bond Market II Index Fund, Vanguard Institutional Total International Stock Market Index Trust II, Vanguard Total International Bond II Index Fund, and Vanguard Short-Term Inflation-Protected Securities Fund.

The trust's indirect bond holdings are a diversified mix of short-, intermediate-, and long-term U.S. government, U.S. agency, and investment-grade U.S. corporate bonds; inflation-protected public obligations issued by the U.S. Treasury; mortgage-backed and asset-backed securities; and government, agency, corporate, and securitized investment-grade foreign bonds issued in currencies other than the U.S. dollar (but hedged by Vanguard to minimize foreign currency exposure). The trust's indirect stock holdings are a diversified mix of U.S. and foreign large-, mid-, and small-capitalization stocks.

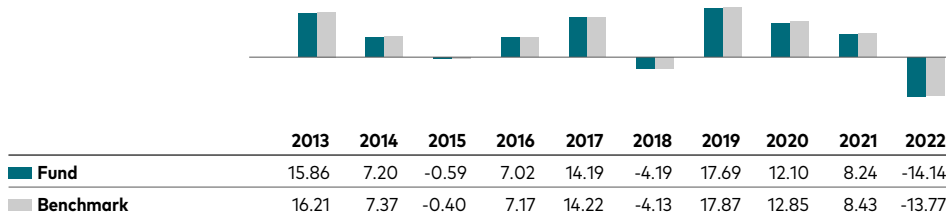
Benchmark

Target Retirement 2020 Composite Ix

Growth of a \$10,000 investment: January 31, 2013–December 31, 2022



Annual returns



Total returns

	Periods ended September 30, 2023					
	Quarter	Year to date	One year	Three years	Five years	Ten years
Fund	-2.63%	4.19%	9.39%	1.46%	3.62%	5.30%
Benchmark	-2.47%	4.34%	9.68%	1.73%	3.95%	5.54%

The performance data shown represent past performance, which is not a guarantee of future results. Investment returns and principal value will fluctuate, so investors' shares, when sold, may be worth more or less than their original cost. Current performance may be lower or higher than the performance data cited. For performance data current to the most recent month-end, visit our website at vanguard.com/performance. The performance of an index is not an exact representation of any particular investment, as you cannot invest directly in an index.

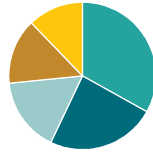
Figures for periods of less than one year are cumulative returns. All other figures represent average annual returns. Performance figures include the reinvestment of all dividends and any capital gains distributions. All returns are net of expenses.

Target Retirement 2020 Composite Ix: Derived by applying the fund's target asset allocation to the results of the following benchmarks: for international stocks of developed markets, the MSCI EAFE Index through December 15, 2010, the MSCI ACWI ex USA IMI Index through June 2, 2013, and the FTSE Global All Cap ex US Index thereafter; for emerging-market stocks, the Select Emerging Markets Index through August 23, 2006, the MSCI Emerging Markets Index through December 15, 2010, the MSCI ACWI ex USA IMI Index through June 2, 2013, and the FTSE Global All Cap ex US Index thereafter; for U.S. bonds, the Bloomberg U.S. Aggregate Bond Index through December 31, 2009, and the Bloomberg U.S. Aggregate Float Adjusted Index thereafter, as well as the Bloomberg U.S. Treasury Inflation-Protected Securities (TIPS) 0-5 Year Index; for international bonds, the Bloomberg Global Aggregate ex-USD Float Adjusted RIC Capped Index Hedged beginning June 3, 2013; and for U.S. stocks, the MSCI US Broad Market Index through June 2, 2013, and the CRSP US Total Market Index thereafter. International stock benchmark returns are adjusted for withholding taxes.

Vanguard Target Retirement 2020 Trust II

Balanced fund (stocks and bonds)

Allocation of underlying funds*



Total Bond Market II Index	33.1%
Total Stock Market Index Plus	24.0
Inst Ttl Intl Stk Idx Trust II	16.3

Total Intl Bnd II	14.4
STerm Inf Pro Sec Idx Fund	12.2

*Fund holdings are subject to change.

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Plain talk about risk

The trust is subject to several stock and bond market risks, any of which could cause an investor to lose money. However, based on the trust's current allocation between stocks and the less volatile asset class of bonds, the trust's overall level of risk should be higher than those trusts that invest mostly in bonds, but lower than those investing mostly in stocks. As the trust's allocation between underlying funds gradually changes, the trust's overall level of risk also will decline. In addition to the risks inherent in the asset classes of the underlying funds, the trust also is subject to asset allocation risk, which is the chance that the selection of underlying funds and the allocation of fund assets will cause the trust to underperform other trusts with a similar investment objective. Investments in Target Retirement Trusts are subject to the risks of their underlying funds. The year in the trust name refers to the approximate year 2020 when an investor in the trust would retire and leave the workforce. The trust will gradually shift its emphasis from more aggressive investments to more conservative ones based on its target date. An investment in the Target Retirement Trust is not guaranteed at any time, including on or after the target date.

Note on frequent trading restrictions

Frequent trading policies may apply to those funds offered as investment options within your plan. Please log on to vanguard.com for your employer plans or contact Participant Services at 800-523-1188 for additional information.

This investment is not a mutual fund. It is a collective trust available only to tax-qualified plans and their eligible participants.

This collective trust is managed by Vanguard Fiduciary Trust Company, a wholly owned subsidiary of The Vanguard Group, Inc., and is not a mutual fund. Investment objectives, risks, charges, expenses, and other important information should be considered carefully before investing.

For more information about Vanguard investments, see below for which situation is right for you.

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If you receive your retirement plan statement from a service provider other than Vanguard or log on to a recordkeeper's website that is not Vanguard to view your plan, please call **855-402-2646**.

Vanguard Target Retirement 2025 Trust II

Balanced fund (stocks and bonds)

Fund facts

Risk level Low ←————→ High 1 2 3 4 5					Total net assets \$14,119 MM	Expense ratio as of 03/31/21 0.075%	Inception date 02/29/08	Fund number 1475
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Investment objective

Vanguard Target Retirement 2025 Trust II seeks to provide capital appreciation and current income consistent with its current asset allocation.

Investment strategy

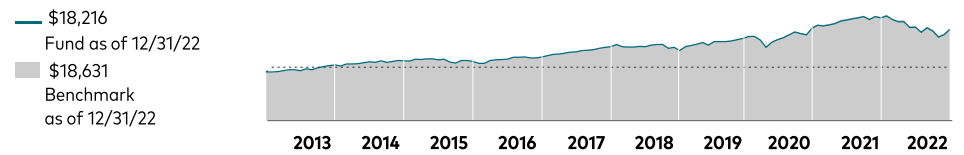
The trust invests in other Vanguard mutual funds and trusts according to an asset allocation strategy designed for investors planning to retire and leave the workforce in or within a few years of 2025 (the target year). The trust's asset allocation will become more conservative over time, meaning that the percentage of assets allocated to stocks will decrease while the percentage of assets allocated to bonds and other fixed income investments will increase. Within seven years after 2025, the trust's asset allocation should resemble that of the Target Retirement Income Trust II. The underlying holdings are: Vanguard Total Stock Market Index Fund, Vanguard Total Bond Market II Index Fund, Vanguard Institutional Total International Stock Market Index Trust II, Vanguard Total International Bond II Index Fund, and Vanguard Short-Term Inflation-Protected Securities Fund.

The trust's indirect bond holdings are a diversified mix of short-, intermediate-, and long-term U.S. government, U.S. agency, and investment-grade U.S. corporate bonds; inflation-protected public obligations issued by the U.S. Treasury; mortgage-backed and asset-backed securities; and government, agency, corporate, and securitized investment-grade foreign bonds issued in currencies other than the U.S. dollar (but hedged by Vanguard to minimize foreign currency exposure). The trust's indirect stock holdings are a diversified mix of U.S. and foreign large-, mid-, and small-capitalization stocks.

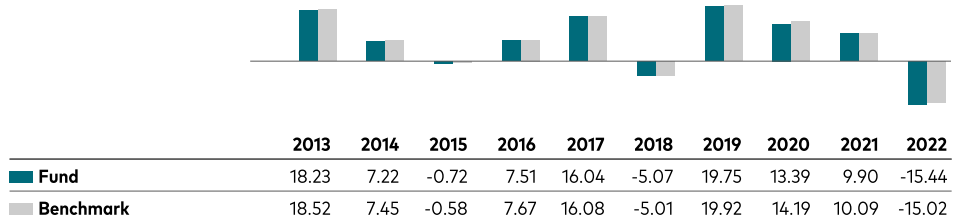
Benchmark

Target Retirement 2025 Composite Ix

Growth of a \$10,000 investment: January 31, 2013–December 31, 2022



Annual returns



Total returns

	Periods ended September 30, 2023					
	Quarter	Year to date	One year	Three years	Five years	Ten years
Fund	-2.99%	5.20%	11.57%	2.26%	4.14%	5.88%
Benchmark	-2.77%	5.41%	11.91%	2.58%	4.50%	6.13%

The performance data shown represent past performance, which is not a guarantee of future results. Investment returns and principal value will fluctuate, so investors' shares, when sold, may be worth more or less than their original cost. Current performance may be lower or higher than the performance data cited. For performance data current to the most recent month-end, visit our website at vanguard.com/performance. The performance of an index is not an exact representation of any particular investment, as you cannot invest directly in an index.

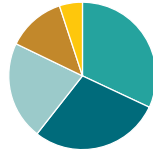
Figures for periods of less than one year are cumulative returns. All other figures represent average annual returns. Performance figures include the reinvestment of all dividends and any capital gains distributions. All returns are net of expenses.

Target Retirement 2025 Composite Ix: Derived by applying the fund's target asset allocation to the results of the following benchmarks: for international stocks of developed markets, the MSCI EAFE Index through December 15, 2010, the MSCI ACWI ex USA IMI Index through June 2, 2013, and the FTSE Global All Cap ex US Index thereafter; for emerging-market stocks, the Select Emerging Markets Index through August 23, 2006, the MSCI Emerging Markets Index through December 15, 2010, the MSCI ACWI ex USA IMI Index through June 2, 2013, and the FTSE Global All Cap ex US Index thereafter; for U.S. bonds, the Bloomberg U.S. Aggregate Bond Index through December 31, 2009, and the Bloomberg U.S. Aggregate Float Adjusted Index thereafter, as well as the Bloomberg U.S. Treasury Inflation-Protected Securities (TIPS) 0-5 Year Index; for international bonds, the Bloomberg Global Aggregate ex-USD Float Adjusted RIC Capped Index Hedged beginning June 3, 2013; and for U.S. stocks, the Dow Jones U.S. Total Stock Market Index (formerly known as the Dow Jones Wilshire 5000 Index) through April 22, 2005, the MSCI US Broad Market Index through June 2, 2013, and the CRSP US Total Market Index thereafter. International stock benchmark returns are adjusted for withholding taxes.

Vanguard Target Retirement 2025 Trust II

Balanced fund (stocks and bonds)

Allocation of underlying funds*



Total Stock Market Index Plus	32.0%
Total Bond Market II Index	28.6
Inst Ttl Intl Stk Idx Trust II	21.6

Total Intl Bnd II	12.7
STerm Inf Pro Sec Idx Fund	5.1

*Fund holdings are subject to change.

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Plain talk about risk

The trust is subject to several stock and bond market risks, any of which could cause an investor to lose money. However, based on the trust's current allocation between stocks and the less volatile asset class of bonds, the trust's overall level of risk should be higher than those trusts that invest mostly in bonds, but lower than those investing mostly in stocks. As the trust's allocation between underlying funds gradually changes, the trust's overall level of risk also will decline. In addition to the risks inherent in the asset classes of the underlying funds, the trust also is subject to asset allocation risk, which is the chance that the selection of underlying funds and the allocation of fund assets will cause the trust to underperform other trusts with a similar investment objective. Investments in Target Retirement Trusts are subject to the risks of their underlying funds. The year in the trust name refers to the approximate year 2025 when an investor in the trust would retire and leave the workforce. The trust will gradually shift its emphasis from more aggressive investments to more conservative ones based on its target date. An investment in the Target Retirement Trust is not guaranteed at any time, including on or after the target date.

Note on frequent trading restrictions

Frequent trading policies may apply to those funds offered as investment options within your plan. Please log on to vanguard.com for your employer plans or contact Participant Services at 800-523-1188 for additional information.

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Vanguard Target Retirement 2030 Trust II

Balanced fund (stocks and bonds)

Fund facts

Risk level Low ← → High					Total net assets \$18,073 MM	Expense ratio as of 03/31/21 0.075%	Inception date 02/29/08	Fund number 1476
1	2	3	4	5				

Investment objective

Vanguard Target Retirement 2030 Trust II seeks to provide capital appreciation and current income consistent with its current asset allocation.

Investment strategy

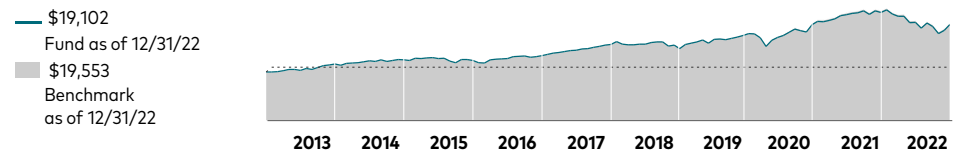
The trust invests in other Vanguard mutual funds and trusts according to an asset allocation strategy designed for investors planning to retire and leave the workforce in or within a few years of 2030 (the target year). The trust's asset allocation will become more conservative over time, meaning that the percentage of assets allocated to stocks will decrease while the percentage of assets allocated to bonds and other fixed income investments will increase. Within seven years after 2030, the trust's asset allocation should resemble that of the Target Retirement Income Trust II. The underlying holdings are: Vanguard Total Stock Market Index Fund, Vanguard Total Bond Market II Index Fund, Vanguard Institutional Total International Stock Market Index Trust II, Vanguard Total International Bond II Index Fund, and Vanguard Short-Term Inflation-Protected Securities Fund.

The trust's indirect bond holdings are a diversified mix of short-, intermediate-, and long-term U.S. government, U.S. agency, and investment-grade U.S. corporate bonds; inflation-protected public obligations issued by the U.S. Treasury; mortgage-backed and asset-backed securities; and government, agency, corporate, and securitized investment-grade foreign bonds issued in currencies other than the U.S. dollar (but hedged by Vanguard to minimize foreign currency exposure). The trust's indirect stock holdings are a diversified mix of U.S. and foreign large-, mid-, and small-capitalization stocks.

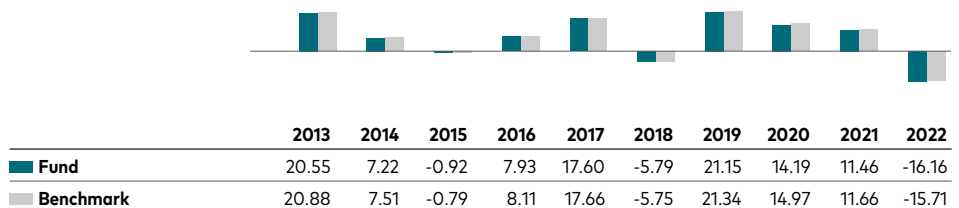
Benchmark

Target Retirement 2030 Composite Ix

Growth of a \$10,000 investment: January 31, 2013–December 31, 2022



Annual returns



Total returns

	Periods ended September 30, 2023					
	Quarter	Year to date	One year	Three years	Five years	Ten years
Fund	-3.24%	5.93%	13.12%	3.05%	4.55%	6.36%
Benchmark	-2.98%	6.16%	13.51%	3.39%	4.91%	6.62%

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Figures for periods of less than one year are cumulative returns. All other figures represent average annual returns. Performance figures include the reinvestment of all dividends and any capital gains distributions. All returns are net of expenses.

Target Retirement 2030 Composite Ix: Derived by applying the fund's target asset allocation to the results of the following benchmarks: for international stocks of developed markets, the MSCI EAFE Index through December 15, 2010, the MSCI ACWI ex USA IMI Index through June 2, 2013, and the FTSE Global All Cap ex US Index thereafter; for emerging-market stocks, the Select Emerging Markets Index through August 23, 2006, the MSCI Emerging Markets Index through December 15, 2010, the MSCI ACWI ex USA IMI Index through June 2, 2013, and the FTSE Global All Cap ex US Index thereafter; for U.S. bonds, the Bloomberg U.S. Aggregate Bond Index through December 31, 2009, and the Bloomberg U.S. Aggregate Float Adjusted Index thereafter; for international bonds, the Bloomberg Global Aggregate ex-USD Float Adjusted RIC Capped Index Hedged beginning June 3, 2013; and for U.S. stocks, the MSCI US Broad Market Index through June 2, 2013, and the CRSP US Total Market Index thereafter. International stock benchmark returns are adjusted for withholding taxes.

Vanguard Target Retirement 2030 Trust II

Balanced fund (stocks and bonds)

Allocation of underlying funds*



Total Stock Market Index Plus	37.7%
Total Bond Market II Index	25.9

Inst Ttl Intl Stk Idx Trust II	25.1
Total Intl Bnd II	11.3

*Fund holdings are subject to change.

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Plain talk about risk

The fund is subject to several stock and bond market risks, any of which could cause an investor to lose money. However, based on the fund's current allocation between stocks and the less volatile asset class of bonds, the fund's overall level of risk should be higher than those funds that invest mostly in bonds, but lower than those investing mostly in stocks. As the fund's allocation between underlying funds gradually changes, the fund's overall level of risk also will decline. In addition to the risks inherent in the asset classes of the underlying funds, the fund also is subject to asset allocation risk, which is the chance that the selection of underlying funds and the allocation of fund assets will cause the fund to underperform other funds with a similar investment objective. Investments in Target Retirement Trusts are subject to the risks of their underlying funds. The year in the trust name refers to the approximate year 2030 when an investor in the trust would retire and leave the workforce. The trust will gradually shift its emphasis from more aggressive investments to more conservative ones based on its target date. An investment in the Target Retirement Trust is not guaranteed at any time, including on or after the target date.

Note on frequent trading restrictions

Frequent trading policies may apply to those funds offered as investment options within your plan. Please log on to vanguard.com for your employer plans or contact Participant Services at 800-523-1188 for additional information.

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Vanguard Target Retirement 2035 Trust II

Balanced fund (stocks and bonds)

Fund facts

Risk level Low ← → High 1 2 3 4 5					Total net assets \$17,318 MM	Expense ratio as of 03/31/21 0.075%	Inception date 02/29/08	Fund number 1477
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Investment objective

Vanguard Target Retirement 2035 Trust II seeks to provide capital appreciation and current income consistent with its current asset allocation.

Investment strategy

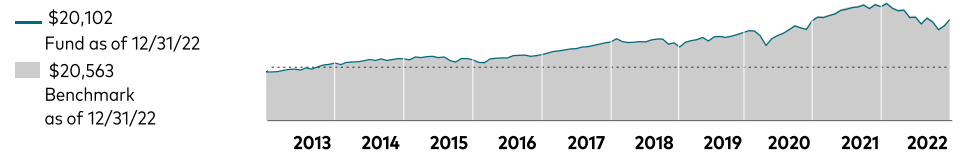
The trust invests in other Vanguard mutual funds and trusts according to an asset allocation strategy designed for investors planning to retire and leave the workforce in or within a few years of 2035 (the target year). The trust's asset allocation will become more conservative over time, meaning that the percentage of assets allocated to stocks will decrease while the percentage of assets allocated to bonds and other fixed income investments will increase. Within seven years after 2035, the trust's asset allocation should resemble that of the Target Retirement Income Trust II. The underlying holdings are: Vanguard Total Stock Market Index Fund, Vanguard Total Bond Market II Index Fund, Vanguard Institutional Total International Stock Market Index Trust II, Vanguard Total International Bond II Index Fund, and Vanguard Short-Term Inflation-Protected Securities Fund.

The trust's indirect bond holdings are a diversified mix of short-, intermediate-, and long-term U.S. government, U.S. agency, and investment-grade U.S. corporate bonds; inflation-protected public obligations issued by the U.S. Treasury; mortgage-backed and asset-backed securities; and government, agency, corporate, and securitized investment-grade foreign bonds issued in currencies other than the U.S. dollar (but hedged by Vanguard to minimize foreign currency exposure). The trust's indirect stock holdings are a diversified mix of U.S. and foreign large-, mid-, and small-capitalization stocks.

Benchmark

Target Retirement 2035 Composite Ix

Growth of a \$10,000 investment: January 31, 2013–December 31, 2022



Annual returns

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Fund	22.93	7.22	-1.12	8.37	19.18	-6.54	22.57	14.92	13.07	-16.52
Benchmark	23.27	7.57	-1.02	8.55	19.25	-6.48	22.76	15.67	13.24	-16.10

Total returns

Periods ended September 30, 2023

	Quarter	Year to date	One year	Three years	Five years	Ten years
Fund	-3.30%	6.65%	14.65%	3.98%	5.01%	6.87%
Benchmark	-3.04%	6.89%	14.99%	4.31%	5.37%	7.14%

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Figures for periods of less than one year are cumulative returns. All other figures represent average annual returns. Performance figures include the reinvestment of all dividends and any capital gains distributions. All returns are net of expenses.

Target Retirement 2035 Composite Ix: Derived by applying the fund's target asset allocation to the results of the following benchmarks: for international stocks of developed markets, the MSCI EAFE Index through December 15, 2010, the MSCI ACWI ex USA IMI Index through June 2, 2013, and the FTSE Global All Cap ex US Index thereafter; for emerging-market stocks, the Select Emerging Markets Index through August 23, 2006, the MSCI Emerging Markets Index through December 15, 2010, the MSCI ACWI ex USA IMI Index through June 2, 2013, and the FTSE Global All Cap ex US Index thereafter; for U.S. bonds, the Bloomberg U.S. Aggregate Bond Index through December 31, 2009, and the Bloomberg U.S. Aggregate Float Adjusted Index thereafter; for international bonds, the Bloomberg Global Aggregate ex-USD Float Adjusted RIC Capped Index Hedged beginning June 3, 2013; and for U.S. stocks, the Dow Jones U.S. Total Stock Market Index (formerly known as the Dow Jones Wilshire 5000 Index) through April 22, 2005, the MSCI US Broad Market Index through June 2, 2013, and the CRSP US Total Market Index thereafter. International stock benchmark returns are adjusted for withholding taxes.

Vanguard Target Retirement 2035 Trust II

Balanced fund (stocks and bonds)

Allocation of underlying funds*



Total Stock Market Index Plus	42.7%
Inst Ttl Intl Stk Idx Trust II	27.6

Total Bond Market II Index	20.8
Total Intl Bnd II	8.9

*Fund holdings are subject to change.

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Plain talk about risk

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Vanguard Target Retirement 2040 Trust II

Balanced fund (stocks and bonds)

Fund facts

Risk level Low ← → High 1 2 3 4 5					Total net assets \$16,269 MM	Expense ratio as of 03/31/21 0.075%	Inception date 02/29/08	Fund number 1478
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Investment objective

Vanguard Target Retirement 2040 Trust II seeks to provide capital appreciation and current income consistent with its current asset allocation.

Investment strategy

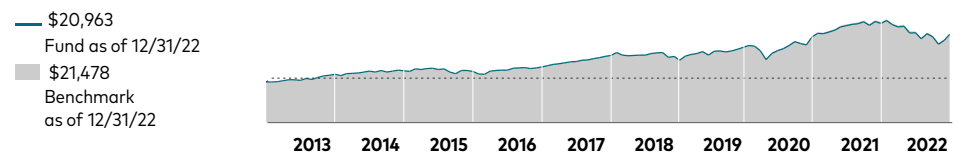
The trust invests in other Vanguard mutual funds and trusts according to an asset allocation strategy designed for investors planning to retire and leave the workforce in or within a few years of 2040 (the target year). The trust's asset allocation will become more conservative over time, meaning that the percentage of assets allocated to stocks will decrease while the percentage of assets allocated to bonds and other fixed income investments will increase. Within seven years after 2040, the trust's asset allocation should resemble that of the Target Retirement Income Trust II. The underlying holdings are: Vanguard Total Stock Market Index Fund, Vanguard Total Bond Market II Index Fund, Vanguard Institutional Total International Stock Market Index Trust II, Vanguard Total International Bond II Index Fund, and Vanguard Short-Term Inflation-Protected Securities Fund.

The trust's indirect bond holdings are a diversified mix of short-, intermediate-, and long-term U.S. government, U.S. agency, and investment-grade U.S. corporate bonds; inflation-protected public obligations issued by the U.S. Treasury; mortgage-backed and asset-backed securities; and government, agency, corporate, and securitized investment-grade foreign bonds issued in currencies other than the U.S. dollar (but hedged by Vanguard to minimize foreign currency exposure). The trust's indirect stock holdings are a diversified mix of U.S. and foreign large-, mid-, and small-capitalization stocks.

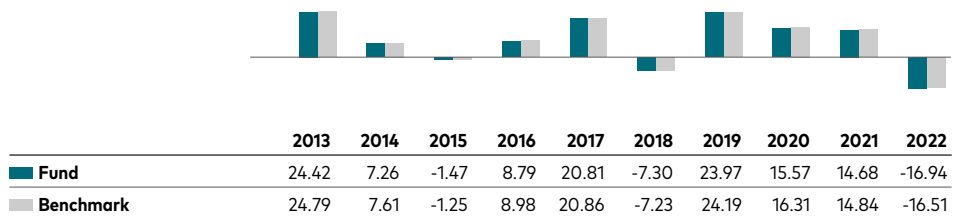
Benchmark

Target Retirement 2040 Composite Ix

Growth of a \$10,000 investment: January 31, 2013–December 31, 2022



Annual returns



Total returns

	Periods ended September 30, 2023					
	Quarter	Year to date	One year	Three years	Five years	Ten years
Fund	-3.36%	7.39%	16.18%	4.87%	5.45%	7.34%
Benchmark	-3.10%	7.62%	16.48%	5.23%	5.82%	7.62%

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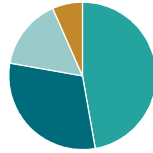
Figures for periods of less than one year are cumulative returns. All other figures represent average annual returns. Performance figures include the reinvestment of all dividends and any capital gains distributions. All returns are net of expenses.

Target Retirement 2040 Composite Ix: Derived by applying the fund's target asset allocation to the results of the following benchmarks: for international stocks of developed markets, the MSCI EAFE Index through December 15, 2010, the MSCI ACWI ex USA IMI Index through June 2, 2013, and the FTSE Global All Cap ex US Index thereafter; for emerging-market stocks, the Select Emerging Markets Index through August 23, 2006, the MSCI Emerging Markets Index through December 15, 2010, the MSCI ACWI ex USA IMI Index through June 2, 2013, and the FTSE Global All Cap ex US Index thereafter; for U.S. bonds, the Bloomberg U.S. Aggregate Bond Index through December 31, 2009, and the Bloomberg U.S. Aggregate Float Adjusted Index thereafter; for international bonds, the Bloomberg Global Aggregate ex-USD Float Adjusted RIC Capped Index Hedged beginning June 3, 2013; and for U.S. stocks, the MSCI US Broad Market Index through June 2, 2013, and the CRSP US Total Market Index thereafter. International stock benchmark returns are adjusted for withholding taxes.

Vanguard Target Retirement 2040 Trust II

Balanced fund (stocks and bonds)

Allocation of underlying funds*



Total Stock Market Index Plus	47.2%
Inst Ttl Intl Stk Idx Trust II	30.6

Total Bond Market II Index	15.6
Total Intl Bnd II	6.6

*Fund holdings are subject to change.

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Plain talk about risk

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Vanguard Target Retirement 2045 Trust II

Balanced fund (stocks and bonds)

Fund facts

Risk level Low ← → High	Total net assets	Expense ratio as of 03/31/21	Inception date	Fund number
1 2 3 4 5	\$14,713 MM	0.075%	02/29/08	1479

Investment objective

Vanguard Target Retirement 2045 Trust II seeks to provide capital appreciation and current income consistent with its current asset allocation.

Investment strategy

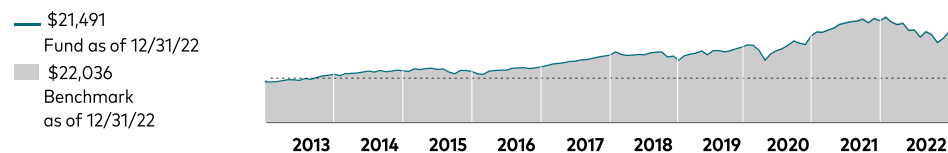
The trust invests in other Vanguard mutual funds and trusts according to an asset allocation strategy designed for investors planning to retire and leave the workforce in or within a few years of 2045 (the target year). The trust's asset allocation will become more conservative over time, meaning that the percentage of assets allocated to stocks will decrease while the percentage of assets allocated to bonds and other fixed income investments will increase. Within seven years after 2045, the trust's asset allocation should resemble that of the Target Retirement Income Trust II. The underlying holdings are: Vanguard Total Stock Market Index Fund, Vanguard Total Bond Market II Index Fund, Vanguard Institutional Total International Stock Market Index Trust II, Vanguard Total International Bond II Index Fund, and Vanguard Short-Term Inflation-Protected Securities Fund.

The trust's indirect bond holdings are a diversified mix of short-, intermediate-, and long-term U.S. government, U.S. agency, and investment-grade U.S. corporate bonds; inflation-protected public obligations issued by the U.S. Treasury; mortgage-backed and asset-backed securities; and government, agency, corporate, and securitized investment-grade foreign bonds issued in currencies other than the U.S. dollar (but hedged by Vanguard to minimize foreign currency exposure). The trust's indirect stock holdings are a diversified mix of U.S. and foreign large-, mid-, and small-capitalization stocks.

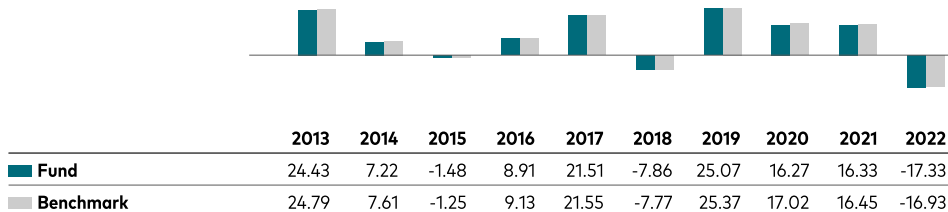
Benchmark

Target Retirement 2045 Composite Ix

Growth of a \$10,000 investment: January 31, 2013–December 31, 2022



Annual returns



Total returns

	Quarter	Year to date	One year	Three years	Five years	Ten years
Fund	-3.42%	8.11%	17.73%	5.79%	5.93%	7.68%
Benchmark	-3.15%	8.35%	17.97%	6.14%	6.30%	7.96%

Periods ended September 30, 2023

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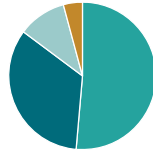
Figures for periods of less than one year are cumulative returns. All other figures represent average annual returns. Performance figures include the reinvestment of all dividends and any capital gains distributions. All returns are net of expenses.

Target Retirement 2045 Composite Ix: Derived by applying the fund's target asset allocation to the results of the following benchmarks: for international stocks of developed markets, the MSCI EAFE Index through December 15, 2010, the MSCI ACWI ex USA IMI Index through June 2, 2013, and the FTSE Global All Cap ex US Index thereafter; for emerging-market stocks, the Select Emerging Markets Index through August 23, 2006, the MSCI Emerging Markets Index through December 15, 2010, the MSCI ACWI ex USA IMI Index through June 2, 2013, and the FTSE Global All Cap ex US Index thereafter; for U.S. bonds, the Bloomberg U.S. Aggregate Bond Index through December 31, 2009, and the Bloomberg U.S. Aggregate Float Adjusted Index thereafter; for international bonds, the Bloomberg Global Aggregate ex-USD Float Adjusted RIC Capped Index Hedged beginning June 3, 2013; and for U.S. stocks, the Dow Jones U.S. Total Stock Market Index (formerly known as the Dow Jones Wilshire 5000 Index) through April 22, 2005, the MSCI US Broad Market Index through June 2, 2013, and the CRSP US Total Market Index thereafter. International stock benchmark returns are adjusted for withholding taxes.

Vanguard Target Retirement 2045 Trust II

Balanced fund (stocks and bonds)

Allocation of underlying funds*



Total Stock Market Index Plus	51.4%
Inst Ttl Intl Stk Idx Trust II	33.8

Total Bond Market II Index	10.6
Total Intl Bnd II	4.2

*Fund holdings are subject to change.

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Plain talk about risk

The trust is subject to several stock and bond market risks, any of which could cause an investor to lose money. However, based on the trust's current allocation between stocks and the less volatile asset class of bonds, the trust's overall level of risk should be higher than those funds that invest mostly in bonds, but lower than those investing mostly in stocks. As the trust's allocation between underlying funds gradually changes, the trust's overall level of risk also will decline. In addition to the risks inherent in the asset classes of the underlying funds, the trust also is subject to asset allocation risk, which is the chance that the selection of underlying funds and the allocation of fund assets will cause the trust to underperform other funds with a similar investment objective. Investments in Target Retirement Trusts are subject to the risks of their underlying funds. The year in the trust name refers to the approximate year 2045 when an investor in the trust would retire and leave the workforce. The trust will gradually shift its emphasis from more aggressive investments to more conservative ones based on its target date. An investment in the Target Retirement Trust is not guaranteed at any time, including on or after the target date.

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Vanguard Target Retirement 2050 Trust II

Balanced fund (stocks and bonds)

Fund facts

Risk level Low ← → High 1 2 3 4 5					Total net assets \$13,395 MM	Expense ratio as of 03/31/21 0.075%	Inception date 02/29/08	Fund number 1480
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Investment objective

Vanguard Target Retirement 2050 Trust II seeks to provide capital appreciation and current income consistent with its current asset allocation.

Investment strategy

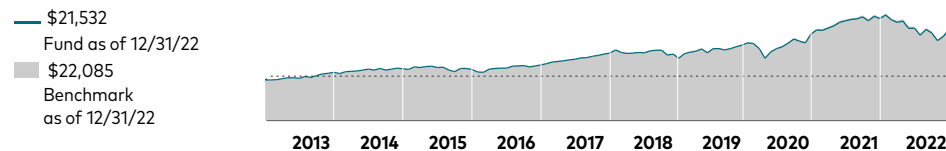
The trust invests in other Vanguard mutual funds and trusts according to an asset allocation strategy designed for investors planning to retire and leave the workforce in or within a few years of 2050 (the target year). The trust's asset allocation will become more conservative over time, meaning that the percentage of assets allocated to stocks will decrease while the percentage of assets allocated to bonds and other fixed income investments will increase. Within seven years after 2050, the trust's asset allocation should resemble that of the Target Retirement Income Trust II. The underlying holdings are: Vanguard Total Stock Market Index Fund, Vanguard Total Bond Market II Index Fund, Vanguard Institutional Total International Stock Market Index Trust II, Vanguard Total International Bond II Index Fund, and Vanguard Short-Term Inflation-Protected Securities Fund.

The trust's indirect bond holdings are a diversified mix of short-, intermediate-, and long-term U.S. government, U.S. agency, and investment-grade U.S. corporate bonds; inflation-protected public obligations issued by the U.S. Treasury; mortgage-backed and asset-backed securities; and government, agency, corporate, and securitized investment-grade foreign bonds issued in currencies other than the U.S. dollar (but hedged by Vanguard to minimize foreign currency exposure). The trust's indirect stock holdings are a diversified mix of U.S. and foreign large-, mid-, and small-capitalization stocks.

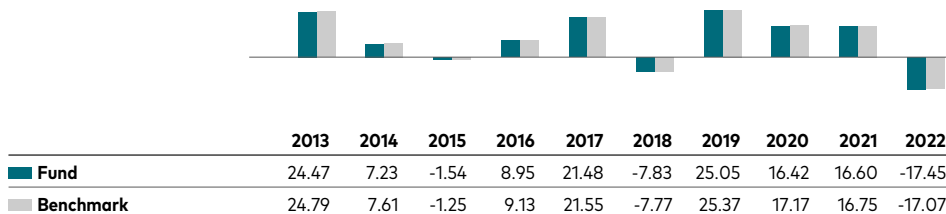
Benchmark

Target Retirement 2050 Composite Ix

Growth of a \$10,000 investment: January 31, 2013–December 31, 2022



Annual returns



Total returns

	Quarter	Year to date	One year	Three years	Five years	Ten years
Fund	-3.48%	8.50%	18.52%	5.98%	6.05%	7.74%
Benchmark	-3.20%	8.75%	18.74%	6.34%	6.43%	8.03%

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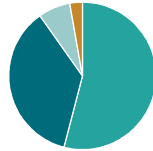
Figures for periods of less than one year are cumulative returns. All other figures represent average annual returns. Performance figures include the reinvestment of all dividends and any capital gains distributions. All returns are net of expenses.

Target Retirement 2050 Composite Ix: Derived by applying the fund's target asset allocation to the results of the following benchmarks: for international stocks of developed markets, the MSCI EAFE Index through December 15, 2010, the MSCI ACWI ex USA IMI Index through June 2, 2013, and the FTSE Global All Cap ex US Index thereafter; for emerging-market stocks, the Select Emerging Markets Index through August 23, 2006, the MSCI Emerging Markets Index through December 15, 2010, the MSCI ACWI ex USA IMI Index through June 2, 2013, and the FTSE Global All Cap ex US Index thereafter; for U.S. bonds, the Bloomberg U.S. Aggregate Bond Index through December 31, 2009, and the Bloomberg U.S. Aggregate Float Adjusted Index thereafter; for international bonds, the Bloomberg Global Aggregate ex-USD Float Adjusted RIC Capped Index Hedged beginning June 3, 2013; and for U.S. stocks, the MSCI US Broad Market Index through June 2, 2013, and the CRSP US Total Market Index thereafter. International stock benchmark returns are adjusted for withholding taxes.

Vanguard Target Retirement 2050 Trust II

Balanced fund (stocks and bonds)

Allocation of underlying funds*



Total Stock Market Index Plus	54.1%	Total Bond Market II Index	7.0
Inst Ttl Intl Stk Idx Trust II	36.1	Total Intl Bnd II	2.8

*Fund holdings are subject to change.

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Plain talk about risk

The trust is subject to several stock and bond market risks, any of which could cause an investor to lose money. However, based on the trust's current allocation between stocks and the less volatile asset class of bonds, the trust's overall level of risk should be higher than those funds that invest mostly in bonds, but lower than those investing mostly in stocks. As the trust's allocation between underlying funds gradually changes, the trust's overall level of risk also will decline. In addition to the risks inherent in the asset classes of the underlying funds, the trust also is subject to asset allocation risk, which is the chance that the selection of underlying funds and the allocation of fund assets will cause the trust to underperform other funds with a similar investment objective. Investments in Target Retirement Trusts are subject to the risks of their underlying funds. The year in the trust name refers to the approximate year 2050 when an investor in the trust would retire and leave the workforce. The trust will gradually shift its emphasis from more aggressive investments to more conservative ones based on its target date. An investment in the Target Retirement Trust is not guaranteed at any time, including on or after the target date.

Note on frequent trading restrictions

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Vanguard Target Retirement 2055 Trust II

Balanced fund (stocks and bonds)

Fund facts

Risk level Low ← → High 1 2 3 4 5					Total net assets \$8,836 MM	Expense ratio as of 03/31/21 0.075%	Inception date 08/31/10	Fund number 1489
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Investment objective

Vanguard Target Retirement 2055 Trust II seeks to provide capital appreciation and current income consistent with its current asset allocation.

Investment strategy

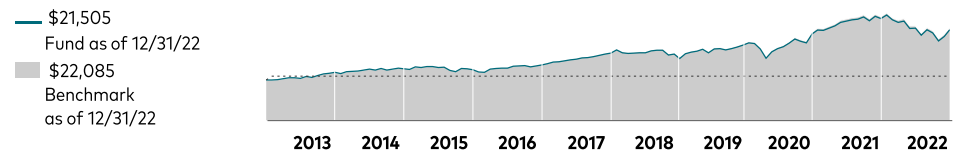
The trust invests in other Vanguard mutual funds and trusts according to an asset allocation strategy designed for investors planning to retire and leave the workforce in or within a few years of 2055 (the target year). The trust's asset allocation will become more conservative over time, meaning that the percentage of assets allocated to stocks will decrease while the percentage of assets allocated to bonds and other fixed income investments will increase. Within seven years after 2055, the trust's asset allocation should resemble that of the Target Retirement Income Trust II. The underlying holdings are: Vanguard Total Stock Market Index Fund, Vanguard Total Bond Market II Index Fund, Vanguard Institutional Total International Stock Market Index Trust II, Vanguard Total International Bond II Index Fund, and Vanguard Short-Term Inflation-Protected Securities Fund.

The trust's indirect bond holdings are a diversified mix of short-, intermediate-, and long-term U.S. government, U.S. agency, and investment-grade U.S. corporate bonds; inflation-protected public obligations issued by the U.S. Treasury; mortgage-backed and asset-backed securities; and government, agency, corporate, and securitized investment-grade foreign bonds issued in currencies other than the U.S. dollar (but hedged by Vanguard to minimize foreign currency exposure). The trust's indirect stock holdings are a diversified mix of U.S. and foreign large-, mid-, and small-capitalization stocks.

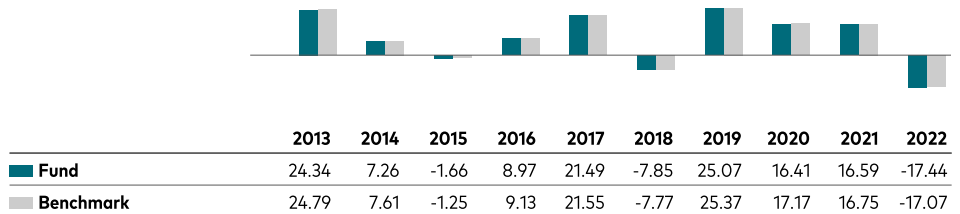
Benchmark

Target Retirement 2055 Composite Ix

Growth of a \$10,000 investment: January 31, 2013–December 31, 2022



Annual returns



Total returns

	Quarter	Year to date	One year	Three years	Five years	Ten years
Fund	-3.48%	8.50%	18.54%	5.98%	6.05%	7.72%
Benchmark	-3.20%	8.75%	18.74%	6.34%	6.43%	8.03%

The performance data shown represent past performance, which is not a guarantee of future results. Investment returns and principal value will fluctuate, so investors' shares, when sold, may be worth more or less than their original cost. Current performance may be lower or higher than the performance data cited. For performance data current to the most recent month-end, visit our website at vanguard.com/performance. The performance of an index is not an exact representation of any particular investment, as you cannot invest directly in an index.

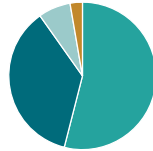
Figures for periods of less than one year are cumulative returns. All other figures represent average annual returns. Performance figures include the reinvestment of all dividends and any capital gains distributions. All returns are net of expenses.

Target Retirement 2055 Composite Ix: Derived by applying the fund's target asset allocation to the results of the following benchmarks: for international stocks of developed markets, the MSCI EAFE Index through December 15, 2010, the MSCI ACWI ex USA IMI Index through June 2, 2013, and the FTSE Global All Cap ex US Index thereafter; for emerging-market stocks, the MSCI Emerging Markets Index through December 15, 2010, the MSCI ACWI ex USA IMI Index through June 2, 2013, and the FTSE Global All Cap ex US Index thereafter; for U.S. bonds, the Bloomberg U.S. Aggregate Float Adjusted Index; for international bonds, the Bloomberg Global Aggregate ex-USD Float Adjusted RIC Capped Index Hedged beginning June 3, 2013; and for U.S. stocks, the MSCI US Broad Market Index through June 2, 2013, and the CRSP US Total Market Index thereafter. International stock benchmark returns are adjusted for withholding taxes.

Vanguard Target Retirement 2055 Trust II

Balanced fund (stocks and bonds)

Allocation of underlying funds*



Total Stock Market Index Plus	54.0%
Inst Ttl Intl Stk Idx Trust II	36.2

Total Bond Market II Index	7.1
Total Intl Bnd II	2.7

*Fund holdings are subject to change.

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Vanguard Target Retirement 2060 Trust II

Balanced fund (stocks and bonds)

Fund facts

Risk level Low ← → High	Total net assets	Expense ratio as of 03/31/21	Inception date	Fund number
1 2 3 4 5	\$4,730 MM	0.075%	03/01/12	1693

Investment objective

Vanguard Target Retirement 2060 Trust II seeks to provide capital appreciation and current income consistent with its current asset allocation.

Investment strategy

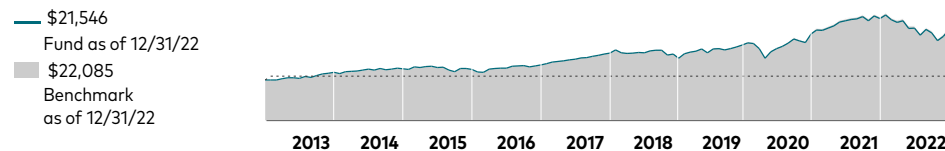
The trust invests in other Vanguard mutual funds and trusts according to an asset allocation strategy designed for investors planning to retire and leave the workforce in or within a few years of 2060 (the target year). The trust's asset allocation will become more conservative over time, meaning that the percentage of assets allocated to stocks will decrease while the percentage of assets allocated to bonds and other fixed income investments will increase. Within seven years after 2060, the trust's asset allocation should resemble that of the Target Retirement Income Trust II. The underlying holdings are: Vanguard Total Stock Market Index Fund, Vanguard Total Bond Market II Index Fund, Vanguard Institutional Total International Stock Market Index Trust II, Vanguard Total International Bond II Index Fund, and Vanguard Short-Term Inflation-Protected Securities Fund.

The trust's indirect bond holdings are a diversified mix of short-, intermediate-, and long-term U.S. government, U.S. agency, and investment-grade U.S. corporate bonds; inflation-protected public obligations issued by the U.S. Treasury; mortgage-backed and asset-backed securities; and government, agency, corporate, and securitized investment-grade foreign bonds issued in currencies other than the U.S. dollar (but hedged by Vanguard to minimize foreign currency exposure). The trust's indirect stock holdings are a diversified mix of U.S. and foreign large-, mid-, and small-capitalization stocks.

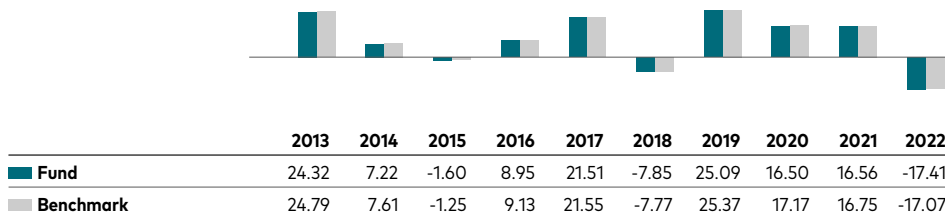
Benchmark

Target Retirement 2060 Composite Ix

Growth of a \$10,000 investment: January 31, 2013–December 31, 2022



Annual returns



Total returns

	Quarter	Year to date	One year	Three years	Five years	Ten years
Fund	-3.48%	8.51%	18.54%	5.99%	6.07%	7.74%
Benchmark	-3.20%	8.75%	18.74%	6.34%	6.43%	8.03%

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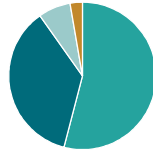
Figures for periods of less than one year are cumulative returns. All other figures represent average annual returns. Performance figures include the reinvestment of all dividends and any capital gains distributions. All returns are net of expenses.

Target Retirement 2060 Composite Ix: Derived by applying the fund's target asset allocation to the results of the following benchmarks: for international stocks of developed markets, the MSCI ACWI ex USA IMI Index through June 2, 2013, and the FTSE Global All Cap ex US Index thereafter; for emerging-market stocks, the MSCI ACWI ex USA IMI Index through June 2, 2013, and the FTSE Global All Cap ex US Index thereafter; for U.S. bonds, the Bloomberg U.S. Aggregate Float Adjusted Index; for international bonds, the Bloomberg Global Aggregate ex-USD Float Adjusted RIC Capped Index Hedged beginning June 3, 2013; and for U.S. stocks, the MSCI US Broad Market Index through June 2, 2013, and the CRSP US Total Market Index thereafter. International stock benchmark returns are adjusted for withholding taxes.

Vanguard Target Retirement 2060 Trust II

Balanced fund (stocks and bonds)

Allocation of underlying funds*



Total Stock Market Index Plus	54.1%	Total Bond Market II Index	7.1
Inst Ttl Intl Stk Idx Trust II	36.1	Total Intl Bnd II	2.7

*Fund holdings are subject to change.

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Plain talk about risk

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Vanguard Target Retirement 2065 Trust II

Balanced fund (stocks and bonds)

Fund facts

Risk level Low ← → High 1 2 3 4 5					Total net assets \$1,248 MM	Expense ratio as of 03/31/21 0.075%	Inception date 07/17/17	Fund number 1794
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Investment objective

Vanguard Target Retirement 2065 Trust II seeks to provide capital appreciation and current income consistent with its current asset allocation.

Investment strategy

The trust invests in other Vanguard mutual funds and trusts according to an asset allocation strategy designed for investors planning to retire and leave the workforce in or within a few years of 2065 (the target year). The trust's asset allocation will become more conservative over time, meaning that the percentage of assets allocated to stocks will decrease while the percentage of assets allocated to bonds and other fixed income investments will increase. Within seven years after 2065, the trust's asset allocation should resemble that of the Target Retirement Income Trust II. The underlying holdings are: Vanguard Total Stock Market Index Fund, Vanguard Total Bond Market II Index Fund, Vanguard Institutional Total International Stock Market Index Trust II, Vanguard Total International Bond II Index Fund, and Vanguard Short-Term Inflation-Protected Securities Fund.

The trust's indirect bond holdings are a diversified mix of short-, intermediate-, and long-term U.S. government, U.S. agency, and investment-grade U.S. corporate bonds; inflation-protected public obligations issued by the U.S. Treasury; mortgage-backed and asset-backed securities; and government, agency, corporate, and securitized investment-grade foreign bonds issued in currencies other than the U.S. dollar (but hedged by Vanguard to minimize foreign currency exposure). The trust's indirect stock holdings are a diversified mix of U.S. and foreign large-, mid-, and small-capitalization stocks.

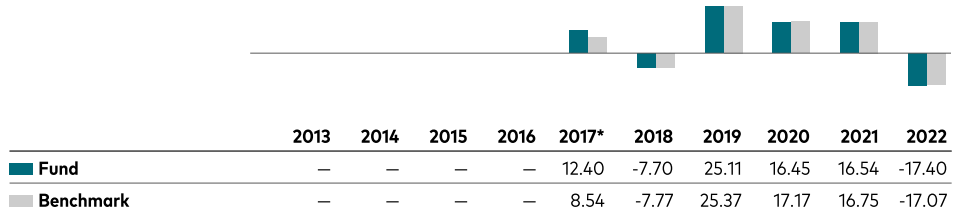
Benchmark

Target Retirement 2065 Composite Ix

Growth of a \$10,000 investment: July 31, 2017—December 31, 2022



Annual returns



Total returns

	Periods ended September 30, 2023					
	Quarter	Year to date	One year	Three years	Five years	Since inception
Fund	-3.49%	8.49%	18.51%	5.97%	6.08%	7.63%
Benchmark	-3.20%	8.75%	18.74%	6.34%	6.43%	-

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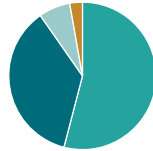
* Partial return since fund started, July 17, 2017.

Target Retirement 2065 Composite Ix: Derived by applying the fund's target asset allocation to the results of the following benchmarks: the FTSE Global All Cap ex US Index for international stocks, the Bloomberg U.S. Aggregate Float Adjusted Index for U.S. bonds, the Bloomberg Global Aggregate ex-USD Float Adjusted RIC Capped Index Hedged for international bonds, and the CRSP US Total Market Index for U.S. stocks. International stock benchmark returns are adjusted for withholding taxes.

Vanguard Target Retirement 2065 Trust II

Balanced fund (stocks and bonds)

Allocation of underlying funds



Total Stock Market Index Plus	54.1%	Total Bond Market II Index	6.9
Inst Ttl Intl Stk Idx Trust II	36.2	Total Intl Bnd II	2.8

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Plain talk about risk

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Vanguard Target Retirement 2070 Trust II

Balanced fund (stocks and bonds)

Fund facts

Risk level Low ← → High					Total net assets	Expense ratio as of 04/07/22	Inception date	Fund number
1	2	3	4	5	\$71 MM	0.075%	04/07/22	V006

Investment objective

Vanguard Target Retirement 2070 Trust II seeks to provide capital appreciation and current income consistent with its current asset allocation.

Investment strategy

The trust invests in other Vanguard mutual funds and trusts according to an asset allocation strategy designed for investors planning to retire and leave the workforce in or within a few years of 2070 (the target year). The trust's asset allocation will become more conservative over time, meaning that the percentage of assets allocated to stocks will decrease while the percentage of assets allocated to bonds and other fixed income investments will increase. Within seven years after 2070, the trust's asset allocation should resemble that of the Target Retirement Income Trust II. The underlying holdings are: Vanguard Total Stock Market Index Fund, Vanguard Total Bond Market II Index Fund, Vanguard Institutional Total International Stock Market Index Trust II, Vanguard Total International Bond II Index Fund, and Vanguard Short-Term Inflation-Protected Securities Fund.

The trust's indirect bond holdings are a diversified mix of short-, intermediate-, and long-term U.S. government, U.S. agency, and investment-grade U.S. corporate bonds; inflation-protected public obligations issued by the U.S. Treasury; mortgage-backed and asset-backed securities; and government, agency, corporate, and securitized investment-grade foreign bonds issued in currencies other than the U.S. dollar (but hedged by Vanguard to minimize foreign currency exposure). The trust's indirect stock holdings are a diversified mix of U.S. and foreign large-, mid-, and small-capitalization stocks.

Benchmark

Target Retirement 2070 Composite Index

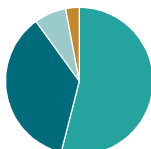
Total returns

	Periods ended September 30, 2023			
	Quarter	Year to date	One year	Since inception
Fund	-3.46%	8.51%	18.60%	-2.51%
Benchmark	-3.20%	8.75%	18.74%	—

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Figures for periods of less than one year are cumulative returns. All other figures represent average annual returns. Performance figures include the reinvestment of all dividends and any capital gains distributions. All returns are net of expenses.

Allocation of underlying funds



Total Stock Market Index Plus	54.0%	Total Bond Market II Index	7.0
Inst Ttl Intl Stk Idx Trust II	36.0	Total Intl Bnd II	3.0

Target Retirement 2070 Composite Index: Derived by applying the fund's target asset allocation to the results of the following benchmarks: the FTSE Global All Cap ex US Index for international stocks, the Bloomberg U.S. Aggregate Float Adjusted Index for U.S. bonds, the Bloomberg Global Aggregate ex-USD Float Adjusted RIC Capped Index Hedged for international bonds, and the CRSP US Total Market Index for U.S. stocks. International stock benchmark returns are adjusted for withholding taxes.

Vanguard Target Retirement 2070 Trust II

Balanced fund (stocks and bonds)

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Plain talk about risk

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Vanguard Target Retirement Income Trust II

Balanced fund (stocks and bonds)

Fund facts

Risk level Low ← → High	Total net assets	Expense ratio as of 03/31/21	Inception date	Fund number
1 2 3 4 5	\$4,379 MM	0.075%	02/29/08	1471

Investment objective

Vanguard Target Retirement Income Trust II seeks to provide current income and some capital appreciation.

Investment strategy

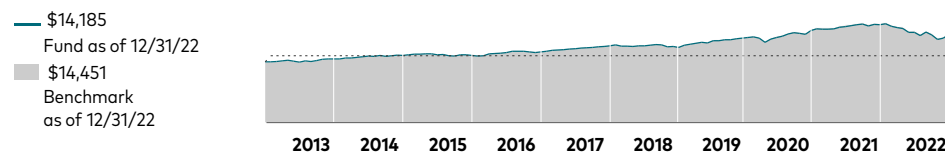
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The trust's indirect bond holdings are a diversified mix of short-, intermediate-, and long-term U.S. government, U.S. agency, and investment-grade U.S. corporate bonds; inflation-protected public obligations issued by the U.S. Treasury; mortgage-backed and asset-backed securities; and government, agency, corporate, and securitized investment-grade foreign bonds issued in currencies other than the U.S. dollar (but hedged by Vanguard to minimize foreign currency exposure). The trust's indirect stock holdings are a diversified mix of U.S. and foreign large-, mid-, and small-capitalization stocks.

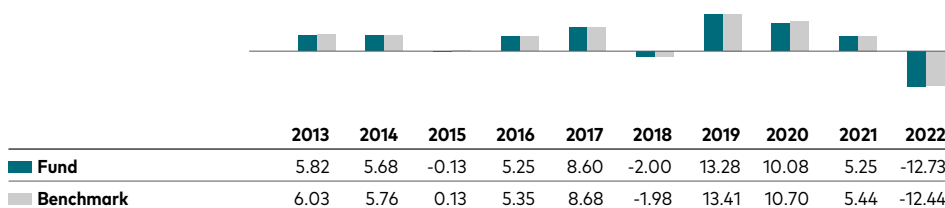
Benchmark

Target Retirement Income Compos. Ix

Growth of a \$10,000 investment: January 31, 2013–December 31, 2022



Annual returns



Total returns

	Periods ended September 30, 2023					
	Quarter	Year to date	One year	Three years	Five years	Ten years
Fund	-2.41%	3.15%	7.05%	-0.12%	2.72%	3.64%
Benchmark	-2.26%	3.23%	7.31%	0.10%	2.97%	3.84%

The performance data shown represent past performance, which is not a guarantee of future results. Investment returns and principal value will fluctuate, so investors' shares, when sold, may be worth more or less than their original cost. Current performance may be lower or higher than the performance data cited. For performance data current to the most recent month-end, visit our website at vanguard.com/performance. The performance of an index is not an exact representation of any particular investment, as you cannot invest directly in an index.

Figures for periods of less than one year are cumulative returns. All other figures represent average annual returns. Performance figures include the reinvestment of all dividends and any capital gains distributions. All returns are net of expenses.

Target Retirement Income Compos. Ix: Derived by applying the fund's target asset allocation to the results of the following benchmarks: for international stocks of developed markets, the MSCI EAFE Index through December 15, 2010, the MSCI ACWI ex USA IMI Index through June 2, 2013, and the FTSE Global All Cap ex US Index thereafter; for emerging-market stocks, the Select Emerging Markets Index through August 23, 2006, the MSCI Emerging Markets Index through December 15, 2010, the MSCI ACWI ex USA IMI Index through June 2, 2013, and the FTSE Global All Cap ex US Index thereafter; for U.S. bonds, the Bloomberg U.S. Aggregate Bond Index through December 31, 2009, and the Bloomberg U.S. Aggregate Float Adjusted Index thereafter, as well as the Bloomberg U.S. Treasury Inflation-Protected Securities Index through June 2, 2013, and the Bloomberg U.S. Treasury Inflation-Protected Securities (TIPS) 0–5 Year Index thereafter; for short-term reserves, the Citigroup Three-Month Treasury Bill Index through June 2, 2013; for international bonds, the Bloomberg Global Aggregate ex-USD Float Adjusted RIC Capped Index Hedged beginning June 3, 2013; and for U.S. stocks, the Dow Jones U.S. Total Stock Market Index (formerly known as the Dow Jones Wilshire 5000 Index) through April 22, 2005, the MSCI US Broad Market Index through June 2, 2013, and the CRSP US Total Market Index thereafter. International stock benchmark returns are adjusted for withholding taxes.

Vanguard Target Retirement Income Trust II

Balanced fund (stocks and bonds)

Allocation of underlying funds*



Total Bond Market II Index	37.2%
Total Stock Market Index Plus	17.6
STerm Inf Pro Sec Idx Fund	17.0

Total Intl Bnd II	16.2
Inst Ttl Intl Stk Idx Trust II	12.0

*Fund holdings are subject to change.

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Plain talk about risk

The trust is subject to several stock and bond market risks, any of which could cause an investor to lose money. However, based on the trust's current allocation between stocks and the less volatile asset class of bonds, the trust's overall level of risk should be higher than those funds that invest mostly in bonds, but lower than those investing mostly in stocks. In addition to the risks inherent in the asset classes of the underlying funds, the trust also is subject to asset allocation risk, which is the chance that the selection of underlying funds and the allocation of fund assets will cause the fund to underperform other funds with a similar investment objective.

Note on frequent trading restrictions

Frequent trading policies may apply to those funds offered as investment options within your plan. Please log on to [vanguard.com](https://www.vanguard.com) for your employer plans or contact Participant Services at 800-523-1188 for additional information.

This investment is not a mutual fund. It is a collective trust available only to tax-qualified plans and their eligible participants.

This collective trust is managed by Vanguard Fiduciary Trust Company, a wholly owned subsidiary of The Vanguard Group, Inc., and is not a mutual fund. Investment objectives, risks, charges, expenses, and other important information should be considered carefully before investing.

For more information about Vanguard investments, see below for which situation is right for you.

If you receive your retirement plan statement from Vanguard or log on to Vanguard's website to view your plan, visit [vanguard.com](https://www.vanguard.com) or call **800-523-1188**.

If you receive your retirement plan statement from a service provider other than Vanguard or log on to a recordkeeper's website that is not Vanguard to view your plan, please call **855-402-2646**.

Vanguard Total Bond Market Index I (USD)

Morningstar Medalist Rating™ Gold 06-27-2023	Analyst-Driven % 100.00 Data Coverage % 100.00	Morningstar Rating™ ★★★ 423 US Fund Intermediate Core Bond	Standard Index Bloomberg US Agg Bond TR USD	Category Index Bloomberg US Agg Bond TR USD	Morningstar Cat US Fund Intermediate Core Bond
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Performance 10-31-2023					
Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2021	-3.61	2.00	0.11	-0.08	-1.65
2022	-5.98	-4.71	-4.65	1.67	-13.15
2023	3.16	-0.90	-3.08	—	-2.46
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	0.54	-5.50	-0.02	0.88	4.00
Std 09-30-2023	0.74	—	0.15	1.12	4.08
Total Return	0.54	-5.50	-0.02	0.88	4.00
+/- Std Index	0.19	0.06	0.04	0.00	—
+/- Cat Index	0.19	0.06	0.04	0.00	—
% Rank Cat	46	41	34	38	—
No. in Cat	468	423	383	278	—

	Subsidized	Unsubsidized
7-day Yield	—	—
30-day SEC Yield 11-03-23	4.98	5.04

Performance Disclosure
The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics. The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost. Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 888-809-8102 or visit www.vanguard.com.

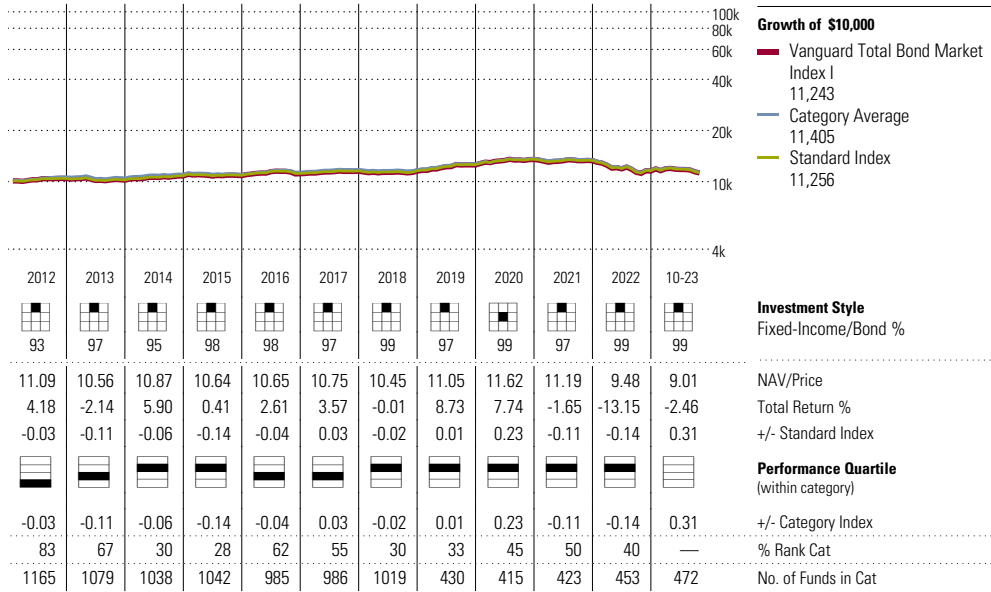
Fees and Expenses	
Sales Charges	NA
Front-End Load %	NA
Deferred Load %	NA

Fund Expenses	
Management Fees %	0.03
12b1 Expense %	NA
Net Expense Ratio %	0.04
Gross Expense Ratio %	0.04

Risk and Return Profile			
	3 Yr	5 Yr	10 Yr
Morningstar Rating™	3★	3★	3★
Morningstar Risk	Avg	Avg	Avg
Morningstar Return	Avg	Avg	Avg

	3 Yr	5 Yr	10 Yr
Standard Deviation	6.25	5.67	4.47
Mean	-5.50	-0.02	0.88
Sharpe Ratio	-1.22	-0.31	-0.06

MPT Statistics	Standard Index	Best Fit Index
	Bloomberg US Agg Bond TR USD	Bloomberg US Agg Bond TR USD
Alpha	0.08	0.08
Beta	1.00	1.00
R-Squared	99.80	99.80
12-Month Yield	—	3.23%
Potential Cap Gains Exp	—	12.16%



Portfolio Analysis 09-30-2023										
Asset Allocation %	Net %	Long %	Short %	Share Chg since 08-2023	Share Amount	Holdings :	Net Assets %			
Cash	0.90	0.90	0.00	—	—	0 Total Stocks, 14,806 Total Fixed-Income, 40% Turnover Ratio	—			
US Stocks	0.00	0.00	0.00	—	—	United States Treasury Notes 1.875%	0.49			
Non-US Stocks	0.00	0.00	0.00	—	—	United States Treasury Notes 2%	0.48			
Bonds	99.09	99.21	0.12	—	—	United States Treasury Notes 1.375%	0.47			
Other/Not Clsfd	0.01	0.01	0.00	—	—	United States Treasury Notes 0.75%	0.47			
Total	100.00	100.12	0.12	—	—	United States Treasury Notes 4.125%	0.46			

Equity Style	Portfolio Statistics	Port Avg	Rel Index	Rel Cat
P/E Ratio TTM	—	—	—	—
P/C Ratio TTM	—	—	—	—
P/B Ratio TTM	—	—	—	—
Geo Avg Mkt Cap \$mil	—	—	—	—

Fixed-Income Style	Avg Eff Maturity	Avg Eff Duration	Avg Wtd Coupon	Avg Wtd Price
—	8.70	6.26	3.10	88.04

Credit Quality Breakdown 09-30-2023	Bond %
AAA	70.78
AA	3.20
A	12.56
BBB	13.53
BB	0.00
B	0.00
Below B	0.00
NR	-0.07

Regional Exposure	Stocks %	Rel Std Index
Americas	—	—
Greater Europe	—	—
Greater Asia	—	—

Sector Weightings	Stocks %	Rel Std Index
Cyclical	—	—
Basic Materials	—	—
Consumer Cyclical	—	—
Financial Services	—	—
Real Estate	—	—
Sensitive	—	—
Communication Services	—	—
Energy	—	—
Industrials	—	—
Technology	—	—
Defensive	—	—
Consumer Defensive	—	—
Healthcare	—	—
Utilities	—	—

Operations	Family: Vanguard	Base Currency: USD	Purchase Constraints: —
	Manager: Joshua Barrickman	Ticker: VBTIX	Incept: 09-18-1995
	Tenure: 10.8 Years	ISIN: US9219375048	Type: MF
	Objective: Income	Minimum Initial Purchase: \$5 mil	Total Assets: \$287,486.08 mil

Voya Fixed Account – 457/401 II - State of Nevada

The Voya Fixed Account – 457/401 II is available through a group annuity or other type of contract issued by Voya Retirement Insurance and Annuity Company (“VRIAC” or the “Company”). The Voya Fixed Account – 457/401 II is an obligation of VRIAC’s general account which supports all of the Company’s insurance and annuity commitments. All guarantees are based on the financial strength and claims-paying ability of VRIAC, which is solely responsible for all obligations under its contracts.

Asset Class: **Stability of Principal**

Important Information

This information should be read in conjunction with your contract prospectus, contract prospectus summary or disclosure booklet, as applicable. Please read them carefully before investing.

Voya Retirement Insurance and Annuity Company

One Orange Way
Windsor, CT 06095-4774
www.voyaretirementplans.com

Objective

Stability of principal is the primary objective of this investment option. The Voya Fixed Account – 457/401 II guarantees minimum rates of interest and may credit interest that exceeds the guaranteed minimum rates. Daily credited interest becomes part of principal and the investment increases through compound interest. All amounts invested by your plan in the Voya Fixed Account – 457/401 II receive the same credited rate. This is known as a portfolio method of interest rate crediting.

Key Features

The Voya Fixed Account – 457/401 II is intended to be a long-term investment for participants seeking stability of principal. The assets supporting it are invested by VRIAC with this goal in mind. Therefore, VRIAC may impose restrictions on transfers and withdrawals involving the Voya Fixed Account – 457/401 II if Competing Investment Options (as defined below) are offered, or if you have a choice between multiple service providers. These restrictions help VRIAC to provide stable credited interest rates which historically have not varied significantly from month to month despite the general market’s volatility in new money interest rates.

Restrictions on Transfers from the Voya Fixed Account – 457/401 II

Transfers from the Voya Fixed Account – 457/401 II will be subject to the equity wash restrictions shown below.

Equity Wash Restrictions on Transfers

Transfers between investment options are allowed at any time, subject to the following provisions:

- (a) Direct transfers from the Voya Fixed Account – 457/401 II cannot be made to a Competing Investment Option;
- (b) A transfer from the Voya Fixed Account – 457/401 II to other investment options under the contract cannot be made if a transfer to a Competing Investment Option has taken place within 90 days;
- (c) A transfer from the Voya Fixed Account – 457/401 II to other investment options under the contract cannot be made if a non-benefit withdrawal from a non-Competing Investment Option has taken place within 90 days; and
- (d) A transfer from a non-Competing Investment Option to a Competing Investment Option cannot be made if a transfer from the Voya Fixed Account – 457/401 II has taken place within 90 days.

Competing Investment Option

As used throughout this document, a Competing Investment Option is defined as any investment option that:

- (a) Provides a direct or indirect investment performance guarantee;
- (b) Is, or may be, invested primarily in assets other than common or preferred stock;
- (c) Is, or may be, invested primarily in financial vehicles (such as mutual funds, trusts or insurance company contracts) which are invested in assets other than common or preferred stock;
- (d) Is available through an account with a brokerage firm designated by the Company and made available by the Contract Holder (as defined in the contract) as an additional investment under the plan;
- (e) Is a self-directed brokerage arrangement;
- (f) Is any fund with similar characteristics to the above as reasonably determined by the Company; or

- (g) Is any fund with a targeted duration of less than three years (e.g. money market funds).

For more information regarding Competing Investment Options in your plan, please contact the Customer Contact Center at (800) 584-6001.

Requests for Full Withdrawals

Withdrawals from the Voya Fixed Account – 457/401 II are allowed to pay benefits to participants at any time. However, if the plan, as the Contract Holder, requests a full withdrawal of all participant accounts held in the Voya Fixed Account – 457/401 II, VRIAC will pay amounts in the Voya Fixed Account – 457/401 II in one of the following two ways, as elected by the plan:

- (a) In equal annual principal payments, with interest, over a period not to exceed 60 months; or
- (b) At the completion of each 5-year period measured from the plan effective date (the “applicable anniversary date”), as a lump sum. Request for this option must be made in writing by the plan and received by us in our home office at least 12 months prior to the applicable anniversary date. Payout of all amounts held within the Voya Fixed Account – 457/401 II would then occur no later than the next applicable anniversary date. Full withdrawal requests at any other time would be subject to the provisions of option (a) above.

Interest Rate Structure

The Voya Fixed Account – 457/401 II guarantees principal and a guaranteed minimum interest rate (“GMIR”) for the life of the contract, as well as featuring two declared interest rates: a current rate, determined at least monthly, and a guaranteed minimum floor rate declared for a defined period – currently one calendar year. The guaranteed minimum floor rate may change after a defined period, but it will never be lower than the GMIR that applies for the life of the contract. The current rate, the guaranteed minimum floor rate and the GMIR are expressed as annual effective yields. Taking the effect of compounding into account, the interest credited to your account daily yields the then current credited rate.

VRIAC’s determination of credited interest rates reflects a number of

factors, which may include mortality and expense risks, interest rate guarantees, the investment income earned on invested assets and the amortization of any capital gains and/or losses realized on the sale of invested assets. Under this option, VRIAC assumes the risk of investment gain or loss by guaranteeing the principal amount you allocate to this option and promising a minimum interest rate during the accumulation period and also throughout the annuity payout period, if applicable.

Currently, the guaranteed minimum floor rate equals the GMIR. The current rate to be credited under a contract may be higher than the GMIR/guaranteed minimum floor rate and may be changed at any time, except that VRIAC will not apply a decrease to the current rate following a rate change initiated solely by us prior to the last day of the three-month period measured from the first day of the month in which such change was effective. The current rate for a plan's initial investment in the Voya Fixed Account – 457/401 II may be in effect for less than a full three-month period.

Credited Interest Rate

The Voya Fixed Account – 457/401 II will earn interest at a rate no less than 3.10% through December 31, 2021, and 3.00% through December 31, 2024.

The Voya Fixed Account – 457/401 II's GMIR for the life of the contract is 1.00%.

Any insurance products, annuities and funding agreements that you may have purchased are issued by Voya Retirement Insurance and Annuity Company ("VRIAC"). VRIAC is solely responsible for meeting its obligations. Plan administrative services provided by VRIAC or Voya Institutional Plan Services, LLC ("VIPS"). Neither VRIAC nor VIPS engage in the sale or solicitation of securities. If custodial or trust agreements are part of this arrangement, they may be provided by Voya Institutional Trust Company. All companies are members of the Voya® family of companies. Securities distributed by Voya Financial Partners, LLC (member SIPC) or other broker-dealers with which it has a selling agreement. All products or services may not be available in all states.

Voya Fixed Account – 457/401 II - State of Nevada - FICA

The Voya Fixed Account – 457/401 II is available through a group annuity or other type of contract issued by Voya Retirement Insurance and Annuity Company (“VRIAC” or the “Company”). The Voya Fixed Account – 457/401 II is an obligation of VRIAC’s general account which supports all of the Company’s insurance and annuity commitments. All guarantees are based on the financial strength and claims-paying ability of VRIAC, which is solely responsible for all obligations under its contracts.

Asset Class: **Stability of Principal**

Important Information

This information should be read in conjunction with your contract prospectus, contract prospectus summary or disclosure booklet, as applicable. Please read them carefully before investing.

Voya Retirement Insurance and Annuity Company

One Orange Way
Windsor, CT 06095-4774
www.voyaretirementplans.com

Objective

Stability of principal is the primary objective of this investment option. The Voya Fixed Account – 457/401 II guarantees minimum rates of interest and may credit interest that exceeds the guaranteed minimum rates. Daily credited interest becomes part of principal and the investment increases through compound interest. All amounts invested by your plan in the Voya Fixed Account – 457/401 II receive the same credited rate. This is known as a portfolio method of interest rate crediting.

Key Features

The Voya Fixed Account – 457/401 II is intended to be a long-term investment for participants seeking stability of principal. The assets supporting it are invested by VRIAC with this goal in mind. Therefore, VRIAC may impose restrictions on transfers and withdrawals involving the Voya Fixed Account – 457/401 II if Competing Investment Options (as defined below) are offered, or if you have a choice between multiple service providers. These restrictions help VRIAC to provide stable credited interest rates which historically have not varied significantly from month to month despite the general market’s volatility in new money interest rates.

Restrictions on Transfers from the Voya Fixed Account – 457/401 II

Transfers from the Voya Fixed Account – 457/401 II will be subject to the equity wash restrictions shown below.

Equity Wash Restrictions on Transfers

Transfers between investment options are allowed at any time, subject to the following provisions:

- (a) Direct transfers from the Voya Fixed Account – 457/401 II cannot be made to a Competing Investment Option;
- (b) A transfer from the Voya Fixed Account – 457/401 II to other investment options under the contract cannot be made if a transfer to a Competing Investment Option has taken place within 90 days;
- (c) A transfer from the Voya Fixed Account – 457/401 II to other investment options under the contract cannot be made if a non-benefit withdrawal from a non-Competing Investment Option has taken place within 90 days; and
- (d) A transfer from a non-Competing Investment Option to a Competing Investment Option cannot be made if a transfer from the Voya Fixed Account – 457/401 II has taken place within 90 days.

Competing Investment Option

As used throughout this document, a Competing Investment Option is defined as any investment option that:

- (a) Provides a direct or indirect investment performance guarantee;
- (b) Is, or may be, invested primarily in assets other than common or preferred stock;
- (c) Is, or may be, invested primarily in financial vehicles (such as mutual funds, trusts or insurance company contracts) which are invested in assets other than common or preferred stock;
- (d) Is available through an account with a brokerage firm designated by the Company and made available by the Contract Holder (as defined in the contract) as an additional investment under the plan;
- (e) Is a self-directed brokerage arrangement;
- (f) Is any fund with similar characteristics to the above as reasonably determined by the Company; or

- (g) Is any fund with a targeted duration of less than three years (e.g. money market funds).

For more information regarding Competing Investment Options in your plan, please contact the Customer Contact Center at (800) 584-6001.

Requests for Full Withdrawals

Withdrawals from the Voya Fixed Account – 457/401 II are allowed to pay benefits to participants at any time. However, if the plan, as the Contract Holder, requests a full withdrawal of all participant accounts held in the Voya Fixed Account – 457/401 II, VRIAC will pay amounts in the Voya Fixed Account – 457/401 II in one of the following two ways, as elected by the plan:

- (a) In equal annual principal payments, with interest, over a period not to exceed 60 months; or
- (b) At the completion of each 5-year period measured from the plan effective date (the “applicable anniversary date”), as a lump sum. Request for this option must be made in writing by the plan and received by us in our home office at least 12 months prior to the applicable anniversary date. Payout of all amounts held within the Voya Fixed Account – 457/401 II would then occur no later than the next applicable anniversary date. Full withdrawal requests at any other time would be subject to the provisions of option (a) above.

Interest Rate Structure

The Voya Fixed Account – 457/401 II guarantees principal and a guaranteed minimum interest rate (“GMIR”) for the life of the contract, as well as featuring two declared interest rates: a current rate, determined at least monthly, and a guaranteed minimum floor rate declared for a defined period – currently one calendar year. The guaranteed minimum floor rate may change after a defined period, but it will never be lower than the GMIR that applies for the life of the contract. The current rate, the guaranteed minimum floor rate and the GMIR are expressed as annual effective yields. Taking the effect of compounding into account, the interest credited to your account daily yields the then current credited rate.

VRIAC’s determination of credited interest rates reflects a number of

factors, which may include mortality and expense risks, interest rate guarantees, the investment income earned on invested assets and the amortization of any capital gains and/or losses realized on the sale of invested assets. Under this option, VRIAC assumes the risk of investment gain or loss by guaranteeing the principal amount you allocate to this option and promising a minimum interest rate during the accumulation period and also throughout the annuity payout period, if applicable.

Currently, the guaranteed minimum floor rate equals the GMIR. The current rate to be credited under a contract may be higher than the GMIR/guaranteed minimum floor rate and may be changed at any time, except that VRIAC will not apply a decrease to the current rate following a rate change initiated solely by us prior to the last day of the three-month period measured from the first day of the month in which such change was effective. The current rate for a plan's initial investment in the Voya Fixed Account – 457/401 II may be in effect for less than a full three-month period.

Credited Interest Rate

The Voya Fixed Account – 457/401 II will earn interest at a rate no less than 2.25% through December 31, 2024.

The Voya Fixed Account – 457/401 II's GMIR for the life of the contract is 1.00%.

Any insurance products, annuities and funding agreements that you may have purchased are issued by Voya Retirement Insurance and Annuity Company ("VRIAC"). VRIAC is solely responsible for meeting its obligations. Plan administrative services provided by VRIAC or Voya Institutional Plan Services, LLC ("VIPS"). Neither VRIAC nor VIPS engage in the sale or solicitation of securities. If custodial or trust agreements are part of this arrangement, they may be provided by Voya Institutional Trust Company. All companies are members of the Voya® family of companies. Securities distributed by Voya Financial Partners, LLC (member SIPC) or other broker-dealers with which it has a selling agreement. All products or services may not be available in all states.

Standardized and Tax Adjusted Returns Disclosure Statement

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when redeemed, may be worth more or less than their original cost. Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end please visit <http://advisor.morningstar.com/familyinfo.asp>.

Standardized Returns assume reinvestment of dividends and capital gains. They depict performance without adjusting for the effects of taxation, but are adjusted to reflect sales charges and ongoing fund expenses.

If adjusted for taxation, the performance quoted would be significantly reduced. For variable annuities, additional expenses will be taken into account, including M&E risk charges, fund-level expenses such as management fees and operating fees, contract-level administration fees, and charges such as surrender, contract, and sales charges. The maximum redemption fee is the maximum amount a fund may charge if redeemed in a specific time period after the fund's purchase.

After-tax returns are calculated using the highest individual federal marginal income tax rates, and do not reflect the impact of state and local taxes. Actual after-tax returns depend on the investor's tax situation and may differ from those shown. The after-tax returns shown are not relevant to investors who hold their fund shares through tax-deferred arrangements such as 401(k) plans or an IRA. After-tax returns exclude the effects of either the alternative minimum tax or phase-out of certain tax credits. Any taxes due are as of the time the distributions are made, and the taxable amount and tax character of each distribution are as specified by the fund on the dividend declaration date. Due to foreign tax credits or realized capital losses, after-tax returns may be greater than before-tax returns. After-tax returns for exchange-traded funds are based on net asset value.

Money Market Fund Disclosures

If money market fund(s) are included in the Standardized Returns table below, each money market fund's name will be followed by a superscripted letter that links it to the applicable disclosure below:

Institutional Money Market Funds (designated by an "S"):

You could lose money by investing in the fund. Because the share price of the fund will fluctuate, when you sell your shares they may be worth more or less than what you originally paid for them. The fund may impose a fee upon sale of your shares or may temporarily suspend your ability to sell shares if the fund's liquidity falls below required minimums because of market conditions or other factors. An investment in the fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. The fund's sponsor has no legal obligation to provide financial support to the fund, and you should not expect that the sponsor will provide financial support to the fund at any time.

Government Money Market Funds that have chosen to rely on the ability to impose liquidity fees and suspend redemptions (designated by an "L") and

Retail Money Market Funds (designated by an "L"):

You could lose money by investing in the fund. Although the fund seeks to preserve the value of your investment at \$1.00 per share, it cannot guarantee it will do so. The fund may impose a fee upon sale of your shares or may temporarily suspend your ability to sell shares if the fund's liquidity falls below required minimums because of market conditions or other factors. An investment in the fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. The fund's sponsor has no legal obligation to provide financial support to the fund, and you should not expect that the sponsor will provide financial support to the fund at any time.

Government Money Market Funds that have chosen not to rely on the ability to impose liquidity fees and suspend redemptions (designated by an "N"):

You could lose money by investing in the fund. Although the fund seeks to preserve the value of your investment at \$1.00 per share, it cannot guarantee it will do so. An investment in the fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. The fund's sponsor has no legal obligation to provide financial support to the fund, and you should not expect that the sponsor will provide financial support to the fund at any time.

Annualized returns 09-30-2023

Standardized Returns (%)	7-day Yield Subsidized as of date	7-day Yield Unsubsidized as of date	1Yr	5Yr	10Yr	Since Inception	Inception Date	Max Front Load %	Max Back Load %	Net Exp Ratio %	Gross Exp Ratio %	Max Redemption %
American Funds Europacific Growth R6	—	—	19.64	3.11	4.64	7.23	05-01-2009	NA	NA	0.47	0.47	NA
JPMorgan Large Cap Growth R6	—	—	23.20	13.38	15.32	15.15	11-30-2010	NA	NA	0.44 ¹	0.52	NA
MFS Value R4	—	—	12.20	6.86	8.77	8.02	04-01-2005	NA	NA	0.55 ²	0.56	NA
Sterling Capital Total Return Bond R6	—	—	0.88	0.61	—	0.49	02-01-2018	NA	NA	0.35 ³	0.48	NA
Vanguard Extended Market Index InstlPlus	—	—	14.50	4.54	7.94	9.12	01-14-2011	NA	NA	0.04	0.04	NA
Vanguard Institutional Index Instl Pl	—	—	21.60	9.90	11.90	8.09	07-07-1997	NA	NA	0.02	0.02	NA
Vanguard Mid-Cap Growth Index Admiral	—	—	15.06	7.18	9.46	11.41	09-27-2011	NA	NA	0.07	0.07	NA

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Annualized returns 09-30-2023													
Standardized Returns (%)	7-day Yield		1Yr	5Yr	10Yr	Since Inception	Inception Date	Max Front Load %	Max Back Load %	Net Exp Ratio %	Gross Exp Ratio %	Redemption %	Max
	Subsidized as of date	Unsubsidized as of date											
Vanguard Mid-Cap Value Index Admiral	—	—	10.35	5.41	8.40	11.09	09-27-2011	NA	NA	0.07	0.07		NA
Vanguard Total Bond Market Index I	—	—	0.74	0.15	1.12	4.08	09-18-1995	NA	NA	0.04	0.04		NA
Bloomberg US Agg Bond TR USD			0.64	0.10	1.13	—	01-03-1980						
Bloomberg US Universal TR USD			1.61	0.34	1.43	—	12-31-1998						
Morningstar Gbl xUS Growth TME NR USD			16.04	—	—	—	11-24-2021						
Morningstar US Core Bd TR USD			0.66	—	—	—	05-01-2019						
Morningstar US LM Brd Val TR USD			17.49	—	—	—	12-21-2020						
Morningstar US Mid Brd Grt TR USD			14.62	—	—	—	12-21-2020						
Morningstar US Mid Brd Val TR USD			11.08	—	—	—	12-21-2020						
Morningstar US Sml Brd Grt Ext TR USD			12.52	—	—	—	12-21-2020						
MSCI ACWI Ex USA Growth NR USD			15.84	2.54	3.92	—	01-01-2001						
MSCI ACWI Ex USA NR USD			20.39	2.58	3.35	—	01-01-2001						
MSCI EAFE NR USD			25.65	3.24	3.82	—	03-31-1986						
Russell 1000 Growth TR USD			27.72	12.42	14.48	—	01-01-1987						
Russell 1000 TR USD			21.19	9.63	11.63	—	12-31-1978						
Russell 1000 Value TR USD			14.44	6.23	8.45	—	01-01-1987						
Russell Mid Cap Growth TR USD			17.47	6.97	9.94	—	02-01-1995						
Russell Mid Cap TR USD			13.45	6.38	8.98	—	12-31-1978						
Russell Mid Cap Value TR USD			11.05	5.18	7.92	—	12-31-1985						
S&P 500 TR USD			21.62	9.92	11.91	—	01-30-1970						
USTREAS T-Bill Auction Ave 3 Mon			5.07	1.85	1.21	—	02-28-1941						

1. Contractual waiver; Expires 10-31-2024
2. Contractual waiver; Expires 12-31-2023
3. Contractual waiver; Expires 01-31-2024

Return after Tax (%)	On Distribution					On Distribution and Sales of Shares			
	1Yr	5Yr	10Yr	Since Inception	Inception Date	1Yr	5Yr	10Yr	Since Inception
American Funds Europacific Growth R6	19.05	2.14	3.69	6.39	05-01-2009	11.90	2.37	3.54	5.81
JPMorgan Large Cap Growth R6	22.25	10.89	13.26	13.52	11-30-2010	14.26	10.18	12.28	12.55
MFS Value R4	9.93	5.48	7.27	6.76	04-01-2005	8.26	4.95	6.53	6.19
Sterling Capital Total Return Bond R6	-0.52	-0.74	—	-0.85	02-01-2018	0.54	-0.03	—	-0.12
Vanguard Extended Market Index InstlPlus	14.03	4.16	7.45	8.69	01-14-2011	8.80	3.45	6.28	7.45
Vanguard Institutional Index Instl Pl	20.70	8.99	11.10	7.50	07-07-1997	13.31	7.72	9.69	6.81
Vanguard Mid-Cap Growth Index Admiral	14.84	6.98	9.20	11.17	09-27-2011	9.04	5.60	7.69	9.55
Vanguard Mid-Cap Value Index Admiral	9.65	4.80	7.73	10.42	09-27-2011	6.54	4.13	6.65	9.11
Vanguard Total Bond Market Index I	-0.48	-0.88	0.04	2.41	09-18-1995	0.46	-0.27	0.42	2.50

Mutual Fund Detail Report

Disclosure Statement

The Mutual Fund Detail Report is supplemental sales literature, and therefore must be preceded or accompanied by the mutual fund's current prospectus or an equivalent statement. Please read this information carefully. In all cases, this disclosure statement should accompany the Mutual Fund Detail Report.

Morningstar is not itself a FINRA-member firm.

All data presented is based on the most recent information available to Morningstar as of the release date and may or may not be an accurate reflection of current data for securities included in the fund's portfolio. There is no assurance that the data will remain the same.

Unless otherwise specified, the definition of "funds" used throughout this Disclosure Statement includes closed-end funds, exchange-traded funds, grantor trusts, index mutual funds, open-ended mutual funds, and unit investment trusts. It does not include exchange-traded notes or exchange-traded commodities.

Prior to 2016, Morningstar's methodology evaluated open-end mutual funds and exchange-traded funds as separate groups. Each group contained a subset of the current investments included in our current comparative analysis. In this report, historical data presented on a calendar-year basis and trailing periods ending at the most-recent month-end reflect the updated methodology.

Risk measures (such as alpha, beta, r-squared, standard deviation, mean, or Sharpe ratio) are calculated for securities or portfolios that have at least a three-year history.

Most Morningstar rankings do not include any adjustment for one-time sales charges, or loads. Morningstar does publish load-adjusted returns, and ranks such returns within a Morningstar Category in certain reports. The total returns for ETFs and fund share classes without one-time loads are equal to Morningstar's calculation of load-adjusted returns. Share classes that are subject to one-time loads relating to advice or sales commissions have their returns adjusted as part of the load-adjusted return calculation to reflect those loads.

Comparison of Fund Types

Funds, including closed-end funds, exchange-traded funds (ETFs), money market funds, open-end funds, and unit investment trusts (UITs), have many similarities, but also many important differences. In general, publically-offered funds are investment companies registered with the Securities and Exchange Commission under the Investment Company Act of 1940, as amended. Funds pool money from their investors and manage it according to an investment strategy or objective, which can vary greatly from fund to fund. Funds have the ability to offer diversification and professional management, but also involve risk, including the loss of principal.

A closed-end fund is an investment company, which typically makes one public offering of a fixed number of shares. Thereafter, shares are traded on a secondary market. As a result, the secondary market price may be higher or lower than the closed-end fund's net asset value (NAV). If these shares trade at a price above their NAV, they are said to be trading at a premium. Conversely, if they are trading at a price below their NAV, they are said to be trading at a discount. A closed-end mutual fund's expense ratio is an annual fee charged to a shareholder. It includes operating expenses and management fees, but does not take into account any brokerage costs. Closed-end funds may also have 12b-1 fees. Income distributions and capital gains of the closed-end fund are subject

to income tax, if held in a taxable account.

An ETF is an investment company that typically has an investment objective of striving to achieve a similar return as a particular market index. The ETF will invest in either all or a representative sample of the securities included in the index it is seeking to imitate. Like closed-end funds, an ETF can be traded on a secondary market and thus have a market price that may be higher or lower than its net asset value. If these shares trade at a price above their NAV, they are said to be trading at a premium. Conversely, if they are trading at a price below their NAV, they are said to be trading at a discount. ETFs are not actively managed, so their value may be affected by a general decline in the U.S. market segments relating to their underlying indexes. Similarly, an imperfect match between an ETF's holdings and those of its underlying index may cause its performance to vary from that of its underlying index. The expense ratio of an ETF is an annual fee charged to a shareholder. It includes operating expenses and management fees, but does not take into account any brokerage costs. ETFs do not have 12b-1 fees or sales loads. Capital gains from funds held in a taxable account are subject to income tax. In many, but not all cases, ETFs are generally considered to be more tax-efficient when compared to similarly invested mutual funds.

Holding company depository receipts (HOLDRs) are similar to ETFs, but they focus on narrow industry groups. HOLDRs initially own 20 stocks, which are unmanaged, and can become more concentrated due to mergers, or the disparate performance of their holdings. HOLDRs can only be bought in 100-share increments. Investors may exchange shares of a HOLDR for its underlying stocks at any time.

A money-market fund is an investment company that invests in commercial paper, banker's acceptances, repurchase agreements, government securities, certificates of deposit and other highly liquid securities, and pays money market rates of interest. Money markets are not FDIC-insured, may lose money, and are not guaranteed by a bank or other financial institution.

An open-end fund is an investment company that issues shares on a continuous basis. Shares can be purchased from the open-end mutual fund itself, or through an intermediary, but cannot be traded on a secondary market, such as the New York Stock Exchange. Investors pay the open-end mutual fund's current net asset value plus any initial sales loads. Net asset value is calculated daily, at the close of business. Open-end mutual fund shares can be redeemed, or sold back to the fund or intermediary, at their current net asset value minus any deferred sales loads or redemption fees. The expense ratio for an open-end mutual fund is an annual fee charged to a shareholder. It includes operating expenses and management fees, but does not take into account any brokerage costs. Open-end funds may also have 12b-1 fees. Income distributions and capital gains of the open-end fund are subject to income tax, if held in a taxable account.

A unit investment trust (UIT) is an investment company organized under a trust agreement between a sponsor and trustee. UITs typically purchase a fixed portfolio of securities and then sell units in the trust to investors. The major difference between a UIT and a mutual fund is that a mutual fund is actively managed, while a UIT is not. On a periodic basis, UITs usually distribute to the unit holder their pro rata share of the trust's net investment income and net realized capital gains, if any. If the trust is one that invests only in tax-free securities, then the income from the trust is also tax-free. UITs generally make one public offering of a fixed number of units. However, in some cases, the sponsor will maintain a secondary market that allows existing unit holders to sell their units and for new investors to buy units. A one-time initial sales charge is deducted from an investment made into the trust. UIT investors may also pay creation and development fees, organization costs, and/or trustee and operation expenses. UIT units may be redeemed by the sponsor at their net

asset value minus a deferred sales charge, and sold to other investors. UITs have set termination dates, at which point the underlying securities are sold and the sales proceeds are paid to the investor. Typically, a UIT investment is rolled over into successive trusts as part of a long-term strategy. A rollover fee may be charged for the exercise of rollover purchases. There are tax consequences associated with rolling over an investment from one trust to the next.

Performance

The performance data given represents past performance and should not be considered indicative of future results. Principal value and investment return will fluctuate, so that an investor's shares, when sold, may be worth more or less than the original investment. Fund portfolio statistics change over time. Funds are not FDIC-insured, may lose value, and are not guaranteed by a bank or other financial institution.

Morningstar calculates after-tax returns using the highest applicable federal marginal income tax rate plus the investment income tax and Medicare surcharge. As of 2018, this rate is 37% plus 3.8% investment income plus 0.9% Medicare surcharge, or 41.7%. This rate changes periodically in accordance with changes in federal law.

Pre-Inception Returns

The analysis in this report may be based, in part, on adjusted historical returns for periods prior to the inception of the share class of the fund shown in this report ("Report Share Class"). If pre-inception returns are shown, a performance stream consisting of the Report Share Class and older share class(es) is created. Morningstar adjusts pre-inception returns downward to reflect higher expenses in the Report Share Class, we do not hypothetically adjust returns upwards for lower expenses. For more information regarding calculation of pre-inception returns please see the Morningstar Extended Performance Methodology.

When pre-inception data is presented in the report, the header at the top of the report will indicate this. In addition, the pre-inception data included in the report will appear in italics.

While the inclusion of pre-inception data provides valuable insight into the probable long-term behavior of newer share classes of a fund, investors should be aware that an adjusted historical return can only provide an approximation of that behavior. For example, the fee structures of a retail share class will vary from that of an institutional share class, as retail shares tend to have higher operating expenses and sales charges. These adjusted historical returns are not actual returns. The underlying investments in the share classes used to calculate the pre-performance string will likely vary from the underlying investments held in the fund after inception. Calculation methodologies utilized by Morningstar may differ from those applied by other entities, including the fund itself.

Quantitatively-Driven Content

This report may contain a Morningstar Medalist Rating™ derived quantitatively ("Quantitatively-Driven Content"), meaning it was generated in whole or in part by a series of statistical models intended to replicate Morningstar's analyst output.

Mr. Lee Davidson, Chief Analytics Officer for Morningstar, Inc. is responsible for overseeing the methodology that supports the Quantitatively-Driven Content. Mr. Davidson is guided by the Morningstar, Inc. Code of Ethics in carrying out his responsibilities. Morningstar's Research, Investment, and Analytics Group includes manager research employees of various Morningstar, Inc. subsidiaries who prepare analysis on investment products and quantitative research employees of Morningstar, Inc. or its subsidiaries who aim to help investors by providing innovative research, models, and software. In the United States, research employees are employed by Morningstar Research Services LLC, which

is registered with the U.S. Securities and Exchange Commission.

12b1 Expense %

A 12b-1 fee is a fee used to pay for a mutual fund's distribution costs. It is often used as a commission to brokers for selling the fund. The amount of the fee is taken from a fund's returns.

Alpha

Alpha is a measure of the difference between a security or portfolio's actual returns and its expected performance, given its level of risk (as measured by beta.) Alpha is often seen as a measure of the value added or subtracted by a portfolio manager.

Analyst-Driven %

The Analyst-Driven % data point displays the weighted percentage of a vehicle's pillar ratings assigned directly or indirectly by analysts. For example, if the People and Parent ratings are assigned directly or indirectly by analysts but the Process rating is assigned algorithmically, the Analyst-Driven % for an actively managed vehicle would disclose that 55% of the pillar weight was assigned by analysts and the Analyst-Driven % for a passively managed vehicle would disclose that 20% of the pillar weight was assigned by analysts.

Asset Allocation

Asset Allocation reflects asset class weightings of the portfolio. The "Other" category includes security types that are not neatly classified in the other asset classes, such as convertible bonds and preferred stocks, or cannot be classified by Morningstar as a result of missing data. Morningstar may display asset allocation data in several ways, including tables or pie charts. In addition, Morningstar may compare the asset class breakdown of the fund against its three-year average, category average, and/or index proxy.

Asset allocations shown in tables may include a breakdown among the long, short, and net (long positions net of short) positions. These statistics summarize what the fund's managers are buying and how they are positioning the fund's portfolio. When short positions are captured in these portfolio statistics, investors get a more robust description of the fund's exposure and risk. Long positions involve buying the security outright and selling it later, with the hope the security's price rises over time. Short positions are taken with the hope of benefitting from anticipated price declines. The investor borrows the security from another investor, sells it and receives cash, and then is obligated to buy it back at some point in the future. If the price falls after the short sale, the investor will have sold high and can buy low to close the short position and lock in a profit. However, if the price of the security increases after the short sale, the investor will experience a loss buying it at a higher price than the sale price.

Most fund portfolios hold fairly conventional securities, such as long positions in equities and bonds. Morningstar may generate a colored pie chart for these portfolios. Other portfolios use other investment strategies or securities, such as short positions or derivatives, in an attempt to reduce transaction costs, enhance returns, or reduce risk. Some of these securities and strategies behave like conventional securities, while other have unique return and risk characteristics. Portfolios that incorporate investment strategies resulting in short positions or portfolio with relatively exotic derivative positions often report data to Morningstar that does not meet the parameters of the calculation underlying a pie chart's generation. Because of the nature of how these securities are reported to Morningstar, we may not always get complete portfolio information to report asset allocation. Morningstar, at its discretion, may determine if unidentified characteristics of fund holdings are material. Asset allocation and other breakdowns may be rescaled accordingly so that percentages total to 100 percent. (Morningstar used discretion to determine if

unidentified characteristics of fund holdings are material, pie charts and other breakdowns may rescale identified characteristics to 100% for more intuitive presentation.)

Note that all other portfolio statistics presented in this report are based on the long (or long rescaled) holdings of the fund only.

Average Effective Duration

Duration is a time measure of a bond's interest-rate sensitivity. Average effective duration is a weighted average of the duration of the fixed-income securities within a portfolio.

Average Effective Maturity

Average Effective Maturity is a weighted average of the maturities of all bonds in a portfolio.

Average Weighted Coupon

A coupon is the fixed annual percentage paid out on a bond. The average weighted coupon is the asset-weighted coupon of each bond in the portfolio.

Average Weighted Price

Average Weighted Price is the asset-weighted price of bonds held in a portfolio, expressed as a percentage of par (face) value. This number reveals if the portfolio favors bonds selling at prices above or below par value (premium or discount securities respectively.)

Best Fit Index

Alpha, beta, and R-squared statistics are presented for a broad market index and a "best fit" index. The Best Fit Index identified in this report was determined by Morningstar by calculating R-squared for the fund against approximately 100 indexes tracked by Morningstar. The index representing the highest R-squared is identified as the best fit index. The best fit index may not be the fund's benchmark, nor does it necessarily contain the types of securities that may be held by the fund or portfolio.

Beta

Beta is a measure of a security or portfolio's sensitivity to market movements (proxied using an index.) A beta of greater than 1 indicates more volatility than the market, and a beta of less than 1 indicates less volatility than the market.

Credit Quality Breakdown

Credit Quality breakdowns are shown for corporate-bond holdings in the fund's portfolio and depict the quality of bonds in the underlying portfolio. It shows the percentage of fixed-income securities that fall within each credit-quality rating as assigned by a Nationally Recognized Statistical Rating Organization (NRSRO). Bonds not rated by an NRSRO are included in the Other/Not-Classified category.

Data Coverage %

The Data Coverage % data point is a summary metric describing the level of data completeness used to generate the overall rating. If the pillar is assigned directly or indirectly by analysts, the pillar has complete data availability, as no model was used to estimate the pillar score. If the pillar is assigned directly by algorithm, Morningstar counts the number of data points feeding both the positive and negative models and counts whether the vehicle has strategy-specific data available. A simple percentage is calculated per pillar. The overall data coverage % is then scaled by pillar weights.

Deferred Load %

The back-end sales charge or deferred load is imposed when an investor redeems shares of a fund. The percentage of the load charged generally declines the longer the fund's shares are held by the investor. This charge,

coupled with 12b-1 fees, commonly serves as an alternative to a traditional front-end load.

Expense Ratio %

The expense ratio is the annual fee that all funds charge their shareholders. It expresses the percentage of assets deducted each fiscal year for fund expenses, including 12b-1 fees, management fees, administrative fees, operating costs, and all other asset-based costs incurred by the fund. Portfolio transaction fees, or brokerage costs, as well as front-end or deferred sales charges are not included in the expense ratio. The expense ratio, which is deducted from the fund's average net assets, is accrued on a daily basis. The gross expense ratio, in contrast to the net expense ratio, does not reflect any fee waivers in effect during the time period.

Front-end Load %

The initial sales charge or front-end load is a deduction made from each investment in the fund and is generally based on the amount of the investment.

Geometric Average Market Capitalization

Geometric Average Market Capitalization is a measure of the size of the companies in which a portfolio invests.

Growth of 10,000

For funds, this graph compares the growth of an investment of 10,000 (in the base currency of the fund) with that of an index and/or with that of the average for all funds in its Morningstar Category. The total returns are not adjusted to reflect sales charges or the effects of taxation but are adjusted to reflect actual ongoing fund expenses, and they assume reinvestment of dividends and capital gains. If adjusted, effects of sales charges and taxation would reduce the performance quoted. If pre-inception data is included in the analysis, it will be graphed.

The index in the Growth of 10,000 graph is an unmanaged portfolio of specified securities and cannot be invested in directly. The index does not reflect any initial or ongoing expenses. A fund's portfolio may differ significantly from the securities in the index. The index is chosen by Morningstar.

Management Fees %

The management fee includes the management and administrative fees listed in the Management Fees section of a fund's prospectus. Typically, these fees represent the costs shareholders paid for management and administrative services over the fund's prior fiscal year.

Maximum Redemption Fee %

The Maximum Redemption Fee is the maximum amount a fund may charge if redeemed in a specific time period after the fund's purchase (for example, 30, 180, or 365 days).

Mean

Mean is the annualized geometric return for the period shown.

Morningstar Medalist Rating™

The Morningstar Medalist Rating is the summary expression of Morningstar's forward-looking analysis of investment strategies as offered via specific vehicles using a rating scale of Gold, Silver, Bronze, Neutral, and Negative. The Medalist Ratings indicate which investments Morningstar believes are likely to outperform a relevant index or peer group average on a risk-adjusted basis over time. Investment products are evaluated on three key pillars (People, Parent, and Process) which, when coupled with a fee assessment, forms the basis for Morningstar's conviction in those products' investment merits and determines the Medalist Rating they're assigned. Pillar ratings take the form of Low, Below Average, Average, Above Average, and High. Pillars may be evaluated via an

analyst's qualitative assessment (either directly to a vehicle the analyst covers or indirectly when the pillar ratings of a covered vehicle are mapped to a related uncovered vehicle) or using algorithmic techniques. Vehicles are sorted by their expected performance into rating groups defined by their Morningstar Category and their active or passive status. When analysts directly cover a vehicle, they assign the three pillar ratings based on their qualitative assessment, subject to the oversight of the Analyst Rating Committee, and monitor and reevaluate them at least every 14 months. When the vehicles are covered either indirectly by analysts or by algorithm, the ratings are assigned monthly. For more detailed information about the Medalist Ratings, including their methodology, please go to <http://global.morningstar.com/managerdisclosures>.

The Morningstar Medalist Ratings are not statements of fact, nor are they credit or risk ratings. The Morningstar Medalist Rating (i) should not be used as the sole basis in evaluating an investment product, (ii) involves unknown risks and uncertainties which may cause expectations not to occur or to differ significantly from what was expected, (iii) are not guaranteed to be based on complete or accurate assumptions or models when determined algorithmically, (iv) involve the risk that the return target will not be met due to such things as unforeseen changes in changes in management, technology, economic development, interest rate development, operating and/or material costs, competitive pressure, supervisory law, exchange rate, tax rates, exchange rate changes, and/or changes in political and social conditions, and (v) should not be considered an offer or solicitation to buy or sell the investment product. A change in the fundamental factors underlying the Morningstar Medalist Rating can mean that the rating is subsequently no longer accurate.

Analysts do not have any other material conflicts of interest at the time of publication. Users wishing to obtain further information should contact their local Morningstar office or refer to the Analyst Conflicts of Interest and Other Disclosures for North America at <https://global.morningstar.com/managerdisclosures> under "Methodology Documents and Disclosures".

Morningstar Category

Morningstar Category is assigned by placing funds into peer groups based on their underlying holdings. The underlying securities in each portfolio are the primary factor in our analysis as the investment objective and investment strategy stated in a fund's prospectus may not be sufficiently detailed for our proprietary classification methodology. Funds are placed in a category based on their portfolio statistics and compositions over the past three years. Analysis of performance and other indicative facts are also considered. If the fund is new and has no portfolio history, Morningstar estimates where it will fall before giving it a permanent category assignment. Categories may be changed based on recent changes to the portfolio.

Morningstar Rank

Morningstar Rank is the total return percentile rank within each Morningstar Category. The highest (or most favorable) percentile rank is zero and the lowest (or least favorable) percentile rank is 100. Historical percentile ranks are based on a snapshot of a fund at the time of calculation.

Morningstar Rating™

The Morningstar Rating™ for funds, or "star rating", is calculated for funds and separate accounts with at least a three-year history. Exchange-traded funds and open-ended mutual funds are considered a single population for comparative purposes. It is calculated based on a Morningstar Risk-Adjusted Return measure that accounts for variation in a managed product's monthly excess performance, placing more emphasis on downward variations and rewarding consistent performance. The Morningstar Rating does not include any adjustment for sales loads. The top 10% of products in each product category receive 5 stars, the next 22.5% receive 4 stars, the next 35% receive 3 stars, the next 22.5%

receive 2 stars, and the bottom 10% receive 1 star. The Overall Morningstar Rating for a managed product is derived from a weighted average of the performance figures associated with its three-, five-, and 10-year (if applicable) Morningstar Rating metrics. For more information about the Morningstar Rating for funds, including its methodology, please go to global.morningstar.com/managerdisclosures

The Morningstar Return rates a fund's performance relative to other managed products in its Morningstar Category. It is an assessment of a product's excess return over a risk-free rate (the return of the 90-day Treasury Bill) in comparison with the products in its Morningstar category. In each Morningstar category, the top 10% of products earn a High Morningstar Return (High), the next 22.5% Above Average (+Avg), the middle 35% Average (Avg), the next 22.5% Below Average (-Ave), and the bottom 10% Low (Low). Morningstar Return is measured for up to three time periods (three, five, and 10 years). These separate measures are then weighted and averaged to produce an overall measure for the product. Products with less than three years of performance history are not rated.

Morningstar Risk

Morningstar Risk evaluates a fund's downside volatility relative to that of other products in its Morningstar Category. It is an assessment of the variations in monthly returns, with an emphasis on downside variations, in comparison with the products in its Morningstar category. In each Morningstar category, the 10% of products with the lowest measured risk are described as Low Risk (Low), the next 22.5% Below Average (-Avg), the middle 35% Average (Avg), the next 22.5% Above Average (+Avg), and the top 10% High (High). Morningstar Risk is measured for up to three time periods (three, five, and 10 years). These separate measures are then weighted and averaged to produce an overall measure for the product. Products with less than three years of performance history are not rated.

Style Analysis

The Morningstar Style Box reveals a fund's investment style as of the date noted on this report.

For equity funds, the vertical axis shows the market capitalization of the long stocks owned, and the horizontal axis shows the investment style (value, blend, or growth.) A darkened cell in the style box matrix indicates the weighted average style of the portfolio.

For portfolios holding fixed-income investments, a Fixed Income Style Box is calculated. The vertical axis shows the credit quality based on credit ratings and the horizontal axis shows interest-rate sensitivity as measured by effective duration. There are three credit categories- "High", "Medium", and "Low; and there are three interest rate sensitivity categories- "Limited", "Moderate", and "Extensive" resulting in nine possible combinations. As in the equity Style Box the combination of credit and interest rate sensitivity for a portfolio is represented by a darkened cell in the matrix.

Morningstar uses credit rating information from credit rating agencies (CRA's) that have been designated Nationally Recognized Statistical Rating Organizations (NRSRO's) by the Securities and Exchange Commission (SEC) in the United States. For a list of all NRSROs, please visit <https://www.sec.gov/ocr/ocr-learn-nrsros.html>. Additionally, Morningstar will use credit ratings from CRA's which have been recognized by foreign regulatory institutions that are deemed the equivalent of the NRSRO designation.

To determine the rating applicable to a holding and the subsequent holding weighted value of a portfolio two methods may be employed. First is a common methodology approach where if a case exists such that two rating organizations/ agencies have rated a holding, the lower rating of the two should

be applied; if three or more CRA's have rated a holding the median rating should be applied, and in cases where there are more than two ratings and a median rating cannot be determined the lower of the two middle ratings should be applied. Alternatively, if there is more than one rating available an average can be calculated from all and applied. Please Note: Morningstar, Inc. is not an NRSRO nor does it issue a credit rating on the fund. Credit ratings for any security held in a portfolio may change over time.

Morningstar uses the credit rating information to calculate a weighted-average credit quality value for the portfolio. This value is based only upon those holdings which are considered to be classified as "fixed_income", such as government, corporate, or securitized issues. Other types of holdings such as equities and many, though not all, types of derivatives are excluded. The weighted-average credit quality value is represented by a rating symbol which corresponds to the long-term rating symbol schemas employed by most CRA's. Note that this value is not explicitly published but instead serves as an input in Style Box calculation. This symbol is then used to map to a Style Box credit quality category of "low," "medium," or "high". Funds with a "low" credit quality category are those whose weighted-average credit quality is determined to be equivalent to the commonly used High Yield classification, meaning a rating below "BBB", portfolios assigned to the "high" credit category have either a "AAA" or "AA+" average credit quality value, while "medium" are those with an average rating of "AA" inclusive to "BBB-". It is expected and intended that the majority of portfolios will be assigned a credit category of "medium".

For assignment to an interest-rate sensitivity category Morningstar uses the average effective duration of the portfolio. From this value there are three distinct methodologies employed to determine assignment to category. Portfolios which are assigned to Morningstar municipal-bond categories employ static breakpoints between categories. These breakpoints are "Limited" equal to 4.5 years or less; (ii) "Moderate" equal to 4.5 years to less than 7 years, and "Extensive" equal to more than 7 years. For portfolios assigned to Morningstar categories other than U.S. Taxable, including all domiciled outside the United States, static duration breakpoints are also used. The values differ from the municipal category values. : (i) "Limited" equals less than or equal to 3.5 years, "Moderate" equals greater than 3.5 years but less than or equal to 6 years, "Extensive" is assigned to portfolios with effective durations of more than 6 years. Note: Interest-rate sensitivity for non-U.S. domiciled portfolios (excluding those in Morningstar convertible categories) may be assigned using average modified duration when average effective duration is not available.

For portfolios Morningstar classifies as U.S Taxable Fixed-Income, interest-rate sensitivity category assignment is based on the effective duration of the Morningstar Core Bond Index (MCBI). The classification assignment is dynamically determined relative to the benchmark index value. A "Limited" category will be assigned to portfolios whose average effective duration is between 25% to 75% of MCBI average effective duration, where the average effective duration is between 75% to 125% of the MCBI the portfolio will be classified as "Moderate", and those portfolios with an average effective duration value 125% or greater of the average effective duration of the MCBI will be classified as "Extensive".

P/B Ratio TTM

The Price/Book Ratio (or P/B Ratio) for a fund is the weighted average of the P/B Ratio of the stocks in its portfolio. Book value is the total assets of a company, less total liabilities. The P/B ratio of a company is calculated by dividing the market price of its outstanding stock by the company's book value, and then adjusting for the number of shares outstanding. Stocks with negative book values are excluded from this calculation. It shows approximately how much an investor is paying for a company's assets based on historical valuations.

P/C Ratio TTM

The Price/Cash Flow Ratio (or P/C Ratio) for a fund is the weighted average of the P/C Ratio of the stocks in its portfolio. The P/C Ratio of a stock represents the amount an investor is willing to pay for a dollar generated from a company's operations. It shows the ability of a company to generate cash and acts as a gauge of liquidity and solvency.

P/E Ratio TTM

The Price/Earnings Ratio (or P/E Ratio) for a fund is the weighted average of the P/E Ratios of the stocks in its portfolio. The P/E Ratio of a stock is the stock's current price divided by the company's trailing 12-month earnings per share. A high P/E Ratio usually indicates the market will pay more to obtain the company's earnings because it believes in the company's abilities to increase their earnings. A low P/E Ratio indicates the market has less confidence that the company's earnings will increase, however value investors may believe such stocks have an overlooked or undervalued potential for appreciation.

Percentile Rank in Category

Percentile Rank is a standardized way of ranking items within a peer group, in this case, funds within the same Morningstar Category. The observation with the largest numerical value is ranked zero the observation with the smallest numerical value is ranked 100. The remaining observations are placed equal distance from one another on the rating scale. Note that lower percentile ranks are generally more favorable for returns (high returns), while higher percentile ranks are generally more favorable for risk measures (low risk).

Performance Quartile

Performance Quartile reflects a fund's Morningstar Rank.

Potential Capital Gains Exposure

Potential Capital Gains Exposure is an estimate of the percent of a fund's assets that represent gains. It measures how much the fund's assets have appreciated, and it can be an indicator of possible future capital gains distributions. A positive potential capital gains exposure value means that the fund's holdings have generally increased in value while a negative value means that the fund has reported losses on its book.

Quarterly Returns

Quarterly Return is calculated applying the same methodology as Total Return except it represents return through each quarter-end.

R-Squared

R-squared is the percentage of a security or portfolio's return movements that are explained by movements in its benchmark index, showing the degree of correlation between the security or portfolio and the benchmark. This figure is helpful in assessing how likely it is that beta and alpha are statistically significant. A value of 1 indicates perfect correlation between the security or portfolio and its benchmark. The lower the R-squared value, the lower the correlation.

Regional Exposure

The regional exposure is a display of the portfolio's assets invested in the regions shown on the report.

Sector Weightings

Super Sectors represent Morningstar's broadest classification of equity sectors by assigning the 11 equity sectors into three classifications. The Cyclical Super Sector includes industries significantly impacted by economic shifts, and the stocks included in these sectors generally have betas greater than 1. The Defensive Super Sector generally includes industries that are relatively immune to economic cycles, and the stocks in these industries generally have betas less than 1. The Sensitive Super Sector includes industries that ebb and flow with the overall economy, but not severely so. Stocks in the Sensitive Super Sector

generally have betas that are close to 1.

Share Change

Shares Change represents the number of shares of a stock bought or sold by a fund since the previously reported portfolio of the fund.

Sharpe Ratio

Sharpe Ratio uses standard deviation and excess return (a measure of a security or portfolio's return in excess of the U.S. Treasury three-month Treasury Bill) to determine the reward per unit of risk.

Standard Deviation

Standard deviation is a statistical measure of the volatility of the security or portfolio's returns. The larger the standard deviation, the greater the volatility of return.

Standardized Returns

Standardized Return applies the methodology described in the Standardized Returns page of this report. Standardized Return is calculated through the most recent calendar-quarter end for one-year, five-year, 10-year, and/or since-inception periods, and it demonstrates the impact of sales charges (if applicable) and ongoing fund expenses. Standardized Return reflects the return an investor may have experienced if the security was purchased at the beginning of the period and sold at the end, incurring transaction charges.

Total Return

Total Return, or "Non Load-Adjusted Return", reflects performance without adjusting for sales charges (if applicable) or the effects of taxation, but it is adjusted to reflect all actual ongoing security expenses and assumes reinvestment of dividends and capital gains. It is the return an investor would have experienced if the fund was held throughout the period. If adjusted for sales charges and the effects of taxation, the performance quoted would be significantly reduced.

Total Return +/- indicates how a fund has performed relative to its peers (as measure by its Standard Index and/or Morningstar Category Index) over the time periods shown.

Trailing Returns

Standardized Return applies the methodology described in the Standardized Returns page of this report. Standardized Return is calculated through the most recent calendar-quarter end for one-year, five-year, 10-year, and/or since-inception periods, and it demonstrates the impact of sales charges (if applicable) and ongoing fund expenses. Standardized Return reflects the return an investor may have experienced if the fund was purchased at the beginning of the period and sold at the end, incurring transaction charges.

Load-Adjusted Monthly Return is calculated applying the same methodology as Standardized Return, except that it represents return through month-end. As with Standardized Return, it reflects the impact of sales charges and ongoing fund expenses, but not taxation. If adjusted for the effects of taxation, the performance quoted would be significantly different.

Trailing Return +/- indicates how a fund has performed relative to its peers (as measure by its Standard Index and/or Morningstar Category Index) over the time periods shown.

Investment Risk Disclosures

Morningstar makes no representation concerning the appropriateness of any

investment or investment strategy. Other types of investments or investment strategies may be more appropriate depending upon an investor's specific situation, including the investor's investment objectives, financial status, tax situation, and risk tolerance. These disclosures cannot and do not list every conceivable factor that may affect the results of any investment or investment strategy. Additional risks will arise, and an investor must be willing and able to accept those risks. You should speak with your financial professional to understand the risks and limitations on investing in any particular investment or investment strategy, including those that are shown in this report, before making investment decisions.

The performance data given represents past performance and should not be considered indicative of future results. Principal value and investment return will fluctuate, so that an investor's shares/units, when sold or redeemed, may be worth more or less than the original investment. Portfolio statistics change over time. Securities are not FDIC-insured, may lose value, and are not guaranteed by a bank or other financial institution. Portfolio statistics change over time.

The risks associated with investing are numerous and include, but are not limited to, those listed below:

International/Emerging Market Equities: Investing in international securities involves special additional risks. These risks include, but are not limited to, currency risk, political risk, and risk associated with varying accounting standards. Investing in emerging markets may accentuate these risks.

Sector Strategies: Portfolios that invest exclusively in one sector or industry involve additional risks. The lack of industry diversification subjects the investor to increased industry-specific risks.

Non-Diversified Strategies: Portfolios that invest a significant percentage of assets in a single issuer involve additional risks, including share price fluctuations, because of the increased concentration of investments.

Small Cap Equities: Portfolios that invest in stocks of small companies involve additional risks. Smaller companies typically have a higher risk of failure, and are not as well established as larger blue-chip companies. Historically, smaller-company stocks have experienced a greater degree of market volatility than the overall market average.

Mid Cap Equities: Portfolios that invest in companies with market capitalization below \$10 billion involve additional risks. The securities of these companies may be more volatile and less liquid than the securities of larger companies.

High-Yield Bonds: Portfolios that invest in lower-rated debt securities (commonly referred to as junk bonds) involve additional risks because of the lower credit quality of the securities in the portfolio. The investor should be aware of the possible higher level of volatility, and increased risk of default.

Tax-Free Municipal Bonds: The investor should note that the income from tax-free municipal bond funds may be subject to state and local taxation and the Alternative Minimum Tax.

Bonds: 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.

Hedge Funds: The investor should note that hedge fund investing involves specialized risks that are dependent upon the type of strategies undertaken by the manager. This can include distressed or event-driven strategies, long/short strategies, using arbitrage (exploiting price inefficiencies), international

investing, and use of leverage, options and/or derivatives. Although the goal of hedge fund managers may be to reduce volatility and produce positive absolute return under a variety of market conditions, hedge funds may involve a high degree of risk and are suitable only for investors of substantial financial means who could bear the entire loss of their investment.

Bank Loan/Senior Debt: Bank loans and senior loans are impacted by the risks associated with fixed income in general, including interest rate risk and default risk. They are often non-investment grade; therefore, the risk of default is high. These securities are also relatively illiquid. Managed products that invest in bank loans/senior debt are often highly leveraged, producing a high risk of return volatility.

Exchange Traded Notes (ETNs): ETNs are unsecured debt obligations. Any repayment of notes is subject to the issuer's ability to repay its obligations. ETNs do not typically pay interest.

Leveraged ETFs: Levered investments are designed to meet multiples of the return performance of the index they track and seek to meet their fund objectives on a daily basis (or other time period stated within the Fund objective). The leverage/gearing ratio is the amount of excess return that a levered investment is designed to achieve in comparison to its index performance (i.e. 200%, 300%, -200%, or -300% or 2X, 3X, -2X, -3X). Leveraged investments are designed to meet multiples of the return performance of the index they track and seek to meet their fund objectives on a daily basis (or other time period stated within the prospectus objective). The leverage/gearing ratio is the amount of excess return that a leveraged investment is designed to achieve in comparison to its index performance (i.e. 200%, 300%, -200%, or -300% or 2X, 3X, -2X, -3X). Compounding has the ability to affect the performance of the fund to be either greater or less than the index performance multiplied by the multiple stated within the funds objective over a stated time period.

Short Positions: When a short position moves in an unfavorable way, the losses are theoretically unlimited. The broker may demand more collateral and a manager might have to close out a short position at an inopportune time to limit further losses.

Long-Short: Due to the strategies used by long-short funds, which may include but are not limited to leverage, short selling, short-term trading, and investing in derivatives, these funds may have greater risk, volatility, and expenses than those focusing on traditional investment strategies.

Liquidity Risk: Closed-end fund, ETF, and HOLDR trading may be halted due to market conditions, impacting an investor's ability to sell a fund.

Market Price Risk: The market price of ETFs, HOLDRs, and closed-end funds traded on the secondary market is subject to the forces of supply and demand and thus independent of the NAV. This can result in the market price trading at a premium or discount to the NAV, which will affect an investor's value.

Market Risk: The market prices of ETFs and HOLDRs can fluctuate as a result of several factors, such as security-specific factors or general investor sentiment. Therefore, investors should be aware of the prospect of market fluctuations and the impact it may have on the market price.

Target-Date Funds: Target-date funds typically invest in other mutual funds and are designed for investors who are planning to retire during the target date year. The fund's target date is the approximate date when investors expect to begin withdrawing their money. A target-date fund's investment objective/strategy typically becomes more conservative over time, primarily by reducing its allocation to equity mutual funds and increasing its allocations in fixed-income

mutual funds. An investor's principal value in a target-date fund is not guaranteed at any time, including at the fund's target date.

High double- and triple-digit returns: High double- and triple-digit returns were the result of extremely favorable market conditions, which may not continue to be the case. High returns for short time periods must not be a major factor when making investment decisions.

Benchmark Disclosure

Bloomberg US Agg Bond TR USD

This index is composed of the BarCap Government/Credit Index, the Mortgage-Backed Securities Index, and the Asset-Backed Securities Index. The returns we publish for the index are total returns, which includes the daily reinvestment of dividends. Bloomberg Indexes and its associated data, Copyright © 2023 Bloomberg Index Services Limited. Bloomberg® is a trademark and service mark of Bloomberg Finance L.P. and its affiliates (collectively "Bloomberg"). Bloomberg or Bloomberg's licensors own all proprietary rights in the Bloomberg Indices. Bloomberg does not approve or endorse this material or guarantee the accuracy or completeness of any information herein, nor does Bloomberg make any warranty, express or implied, as to the results to be obtained therefrom and, to the maximum extent allowed by law, Bloomberg shall not have any liability or responsibility for injury or damages arising in connection therewith. The constituents displayed for this index are from the following proxy: iShares Core US Aggregate Bond ETF.

Bloomberg US Universal TR USD

BarCap U.S. Universal Bond Index: The U.S. Universal Index mirrors the increasingly popular "Core Plus" choice set used by many U.S.-dollar investors. It is the union of the U.S. Aggregate Index, the U.S. High Yield Corporate Index, the 144A Index, the Eurodollar Index, the Emerging Markets Index, the non-ERISA portion of the CMBS Index, and the CMBS High Yield Index. Municipal debt, private placements, and non-dollar-denominated issues are excluded from the Universal Index. The constituents displayed for this index are from the following proxy: iShares Core Total USD Bond Market ETF.

Morningstar Gbl xUS Growth TME NR USD

The index measures the performance of large and mid-cap stocks representing the faster-growing half of global markets excluding US. This Index does not incorporate Environmental, Social, or Governance (ESG) criteria.

Morningstar US Core Bd TR USD

The index measures the performance of fixed-rate, investment-grade USD-denominated securities with maturities greater than one year. It is market-capitalization weighted. This Index does not incorporate Environmental, Social, or Governance (ESG) criteria.

Morningstar US LM Brd Val TR USD

The index provides a comprehensive depiction of the performance and fundamental characteristics of the Large-Mid Cap Value segment of U.S. equity markets. It targets stocks representing the cheaper half of the U.S. large- and mid-cap market. This Index does not incorporate Environmental, Social, or Governance (ESG) criteria.

Morningstar US Mid Brd Grt TR USD

The index measures the performance of US mid-cap growth stocks. It targets stocks representing the faster growing half of the mid-cap market. This Index does not incorporate Environmental, Social, or Governance (ESG) criteria.

Morningstar US Mid Brd Val TR USD

The index measures the performance of US mid-cap value stocks. It targets stocks representing the cheaper half of the U.S. mid-cap market. This Index does not incorporate Environmental, Social, or Governance (ESG) criteria.

Morningstar US Sml Brd Grt Ext TR USD

The index provides a comprehensive depiction of the performance and fundamental characteristics of the Small Growth segment of U.S. equity markets. It targets stocks representing the faster growing half of the U.S. small-cap market. This Index does not incorporate Environmental, Social, or Governance (ESG) criteria.

MSCI ACWI Ex USA Growth NR USD

The index measures the performance of the growth large and mid cap segments of the particular regions, excluding USA equity securities, including developed and emerging market. It is free float-adjusted market-capitalization weighted. The constituents displayed for this index are from the following proxy: iShares MSCI ACWI ETF.

MSCI ACWI Ex USA NR USD

The MSCI AC World ex USA is a free float-adjusted market capitalization index that is designed to measure equity market performance in the global developed and emerging markets. The index consists of 48 developed and emerging market country indices. The returns we publish for the index are total returns, which include reinvestment of dividends. The constituents displayed for this index are from the following proxy: iShares MSCI ACWI ex US ETF.

MSCI EAFE NR USD

This Europe, Australasia, and Far East index is a market-capitalization-weighted index of 21 non-U.S., industrialized country indexes.

This disclosure applies to all MSCI indices: Certain information included herein is derived by Morningstar in part from MSCI's Index Constituents (the "Index Data"). However, MSCI has not reviewed any information contained herein and does not endorse or express any opinion such information or analysis. MSCI does not make any express or implied warranties, representations or guarantees concerning the Index Data or any information or data derived therefrom, and in no event will MSCI have any liability for any direct, indirect, special, punitive, consequential or any other damages (including lost profits) relating to any use of this information. The constituents displayed for this index are from the following proxy: Schwab International Index Fund®.

Russell 1000 Growth TR USD

Tracks the companies within the Russell 1000 with higher price-to-book ratios and higher forecasted growth values. The constituents displayed for this index are from the following proxy: iShares Russell 1000 Growth ETF.

Russell 1000 TR USD

Consists of the 1000 largest companies within the Russell 3000 index, which represents approximately 98% of the investable US equity market. Also known as the Market-Oriented Index, because it represents the group of stocks from which most active money managers choose. The constituents displayed for this index are from the following proxy: iShares Russell 1000 ETF.

Russell 1000 Value TR USD

Tracks the companies within the Russell 1000 with lower price-to-book ratios and lower forecasted growth values. The constituents displayed for this index are from the following proxy: iShares Russell 1000 Value ETF.

Russell Mid Cap Growth TR USD

Tracks the companies within the Russell Midcap Index with higher price-to-book

ratios and higher forecasted growth values. The constituents displayed for this index are from the following proxy: iShares Russell Mid-Cap Growth ETF.

Russell Mid Cap TR USD

Measures the performance of the 800 smallest companies in the Russell 1000 Index, which represent approximately 25% of the total market capitalization of the Russell 1000 Index. The constituents displayed for this index are from the following proxy: iShares Russell Mid-Cap ETF.

Russell Mid Cap Value TR USD

Tracks the companies within the Russell Midcap Index having lower price-to-book ratios and lower forecasted growth values. The constituents displayed for this index are from the following proxy: iShares Russell Mid-Cap Value ETF.

S&P 500 TR USD

A market capitalization-weighted index composed of the 500 most widely held stocks whose assets and/or revenues are based in the US; it's often used as a proxy for the U.S. stock market. TR (Total Return) indexes include daily reinvestment of dividends. The constituents displayed for this index are from the following proxy: SPDR® S&P 500 ETF Trust.

USTREAS T-Bill Auction Ave 3 Mon

Three-month T-bills are government-backed, short-term investments considered to be risk-free and as good as cash because the maturity is only three months. Morningstar collects yields on the T-bill on a weekly basis from the Wall Street Journal.

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PLEASE READ THE PROSPECTUS AND CONSIDER THE FUND'S INVESTMENT OBJECTIVES, RISKS, CHARGES AND EXPENSES CAREFULLY BEFORE INVESTING. THE PROSPECTUS CONTAINS THIS AND OTHER IMPORTANT INFORMATION ABOUT THE FUND.

Performance. Performance results illustrated herein do not reflect a deduction of any investment advisory fees charged by Hyas Group or any investment manager but do include the fund's internal expenses. Performance results are annualized for time periods greater than one year and include all cash and cash equivalents, realized and unrealized capital gains and losses, and dividends, interest, and income. The investment results depicted herein represent historical performance. As a result of recent market activity, current performance may vary from the figures shown. Past performance is not a guarantee of future results.

The underlying fund's internal expenses (also known as the expense ratio) generally covers investment management fees, marketing, and distribution fees (also known as 12b-1 fees) and other operating expenses of the fund. The expense ratios being displayed for mutual funds reflect each fund's prospectus "net" expenses as provided by Morningstar. Such "net" expenses are subject to change and may increase at any time.

To learn more about the Hyas Group advisory services, please see the Hyas Group ADV Brochure for more information. It is available from your Hyas Group Consultant.

Performance data quoted is historical. Past performance does not guarantee future results. Current performance may be higher or lower than the performance quoted. You can obtain performance data current to the most recent month-end for each fund by visiting the fund company website. The investment return and principal value of an investment will fluctuate such that an investor's shares, when redeemed, may be worth more or less than their original cost. Total returns include reinvestment of dividends and capital gains and are net of all fund fees and expenses.

Performance figures are based on Net Asset Value (NAV) within a qualified retirement plan. If an individual were to purchase shares outside of a qualified plan, they would likely be subject to all, or a portion of, any applicable sales charges. These charges would lower the performance indicated above.

The returns on a portfolio consisting primarily of Environmental, Social and Governance (“ESG”) aware investments may be lower or higher than a portfolio that is more diversified or where decisions are based solely on investment considerations. Because ESG criteria exclude some investments, investors may not be able to take advantage of the same opportunities or market trends as investors that do not use such criteria. Diversification does not guarantee a profit or protect against loss in a declining financial market.

Each fund's performance may, from time to time, have been affected significantly by material market and economic conditions, including interest rates, market trends, and general business and economic cycles, which may or may not be repeated in the future. Also, keep in mind that any double-digit returns are highly unusual and cannot be sustained. Such returns are primarily achieved during favorable market conditions.

Indices are unmanaged. An investor cannot invest directly in an index. They are shown for illustrative purposes only and do not represent the performance of any specific investment. Index returns include the reinvestment of all dividends, but do not reflect the payment of transaction costs, advisory fees or expenses that are associated with an investment. The indices selected by Hvas Group to measure performance are representative of broad asset classes. Hvas Group retains the right to change representative indices at any time. Performance of indices may be more or less volatile than any investment product. The risk of loss in value of a specific investment is not the same as the risk of loss in a broad market index. Therefore, the historical returns of an index will not be the same as the historical returns of a particular investment a client selects. Past performance does not guarantee future results.

The "Investment Policy Statement Compliance Report" indicates funds that are on the Plan's Watch List, as based on investment monitoring criteria which is provided to Hvas Group by the plan sponsor. The plan sponsor should inform its Hvas Group Consultant of any changes to the plan's investment policy.

Fund data provided by Morningstar.

Peer Groups. Peer Groups are a collection of similar investment strategies that essentially group investment products that share the same investment approach. Peer Groups are used for comparison purposes to compare and illustrate a client's investment portfolio versus its peer across various quantitative metrics like performance and risk. Peer Group comparison is conceptually another form of benchmark comparison whereby the actual investment can be ranked versus its peer across various quantitative metrics.

Peer Group Ranking Methodology. A percentile rank denotes the value of a product in which a certain percent of observations falls within a peer group. The range of percentile rankings is between 1 and 100, where 1 represents a high statistical value and 100 represents a low statistical value. The 30th percentile, for example, is the value in which 30% of the highest observations may be found, the 65th percentile is the value in which 65% of the highest observations may be found, and so on.

Percentile rankings are calculated based on a normalized distribution ranging from 1 to 100 for all products in each peer group, where a ranking of 1 denotes a high statistical value and a ranking of 100 denotes a low statistical value. It is important to note that the same ranking methodology applies to all statistics, implying that a ranking of 1 will always mean highest value across all statistics.

For example, consider a risk/return assessment using standard deviation as a measure of risk. A percentile ranking equal to 1 for return denotes highest return, whereas a percentile ranking of 1 for standard deviation denotes highest risk among peers.

In addition, values may be used to demonstrate quartile rankings. For example, the third quartile is also known as the 75th percentile, and the median is the 50th percentile.

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STATE OF NEVADA

Voya Fixed Account Summary

September 30, 2023

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Voya Fixed Account Summary

Portfolio Data as of 9/30/2023

Product	US Government / Agency	Mortgage-Backed Securities	Corporate Bonds	Asset-Backed Securities	CMBS	Cash / Equivalents	Foreign Securities	Other
Voya General Account	3%	25%	33%	6%	9%	1%	16%	7%
Bloomberg Aggregate	46.6%	21.0%	26.5%	0.6%	1.0%	0.7%	3.6%	0.0%

Portfolio Average Duration: 6.0 - 6.5 years

Market Value of Portfolio: \$26.2 B

Quality	Voya	BBg Agg
AAA	5%	70.9%
AA	20%	3.2%
A	24%	12.4%
BBB	46%	13.5%
BB And Below	5%	0.0%

Index	Yield
3-Mo T-Bill	5.32%
5-Yr CMT	4.60%
US Corporate	6.07%
US High Yield	8.80%

Voya Financial Strength Ratings		
Moody's	A2	Strong
S&P	A+	Strong
Fitch	A	Strong

457 Plans Crediting Rate		
2015		3.50%
2016		3.15%
2017		2.75%
1/1/2018	8/31/2018	2.50%
9/1/2018	7/10/2019	2.65%
7/11/2019	12/31/2019	2.75%
2020	2021	3.10%
2022	2024	3.00%

FICA Alternative Plan Crediting Rate		
2015		2.50%
2016		2.25%
2017		1.50%
2018		1.00%
2019		1.50%
2020	2024	2.25%

Moody's	S&P	Fitch	Credit Worthiness
Aa1	AA+	AA+	Very Strong
Aa2	AA	AA	
Aa3	AA-	AA-	
A1	A+	A+	Strong
A2	A	A	
A3	A-	A-	
Baa1	BBB+	BBB+	Adequate
Baa2	BBB	BBB	
Baa3	BBB-	BBB-	
Ba1	BB+	BB+	Less Vulnerable
Ba2	BB	BB	
Ba3	BB-	BB-	
B1	B+	B+	More Vulnerable than BB
B2	B	B	
B3	B-	B-	
Caa	CCC	CCC	Currently Vulnerable
Ca	CC	CC	Currently Highly-Vulnerable
-	C	C	Currently Highly-Vulnerable to Nonpayment
C	D	D	Has Failed to Pay Obligations Due

Portfolio and financial ratings are representative of Voya Retirement Insurance and Annuity Company (VRIAC) and their General Account Portfolio. Voya General Account information sourced from VRIAC. Benchmark data sourced from Morningstar. Index yields sourced from St. Louis Fed (FRED).

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Voya General Account information sourced from Voya Retirement Insurance and Annuity Company. Benchmark data sourced from Morningstar. Index yields sourced from St. Louis Fed (FRED).

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2024 Limitations Adjusted as Provided in Section 415(d), etc.

Notice 2023-75

Section 415 of the Internal Revenue Code (“Code”) provides for dollar limitations on benefits and contributions under qualified retirement plans. Section 415(d) requires that the Secretary of the Treasury annually adjust these limits for cost-of-living increases. Other limitations applicable to deferred compensation plans are also affected by these adjustments under section 415. Under section 415(d), the adjustments are to be made under adjustment procedures similar to those used to adjust benefit amounts under section 215(i)(2)(A) of the Social Security Act.

Cost-of-Living Adjusted Limits for 2024

Effective January 1, 2024, the limitation on the annual benefit under a defined benefit plan under section 415(b)(1)(A) of the Code is increased from \$265,000 to \$275,000.

For a participant who separated from service before January 1, 2024, the participant’s limitation under a defined benefit plan under section 415(b)(1)(B) is computed by multiplying the participant’s compensation limitation, as adjusted through 2023, by 1.0351.

The limitation for defined contribution plans under section 415(c)(1)(A) is increased in 2024 from \$66,000 to \$69,000.

The Code provides that various other dollar amounts are to be adjusted at the same time and in the same manner as the dollar limitation of section 415(b)(1)(A). After taking into account the applicable rounding rules, the amounts for 2024 are as follows:

The limitation under section 402(g)(1) on the exclusion for elective deferrals described in section 402(g)(3) is increased from \$22,500 to \$23,000.

The annual compensation limit under sections 401(a)(17), 404(l), 408(k)(3)(C), and 408(k)(6)(D)(ii) is increased from \$330,000 to \$345,000.

The dollar limitation under section 416(i)(1)(A)(i) concerning the definition of “key employee” in a top-heavy plan is increased from \$215,000 to \$220,000.

The dollar amount under section 409(o)(1)(C)(ii) for determining the maximum account balance in an employee stock ownership plan subject to a 5-year distribution period is increased from \$1,330,000 to \$1,380,000, while the dollar amount used to determine the lengthening of the 5-year distribution period is increased from \$265,000 to \$275,000.

The limitation used in the definition of “highly compensated employee” under section 414(q)(1)(B) is increased from \$150,000 to \$155,000.

The dollar limitation under section 414(v)(2)(B)(i) for catch-up contributions to an applicable employer plan other than a plan described in section 401(k)(11) or section 408(p) for individuals aged 50 or over remains \$7,500. The dollar limitation under section 414(v)(2)(B)(ii) for catch-up contributions to an applicable employer plan described in section 401(k)(11) or section 408(p) for individuals aged 50 or over remains \$3,500.

The annual compensation limitation under section 401(a)(17) for eligible participants in certain governmental plans that, under the plan as in effect on July 1, 1993, allowed cost-of-living adjustments to the compensation limitation under the plan under section 401(a)(17) to be taken into account, is increased from \$490,000 to \$505,000.

The compensation amount under section 408(k)(2)(C) regarding simplified employee pensions remains \$750.

The limitation under section 408(p)(2)(E) regarding SIMPLE retirement accounts is increased from \$15,500 to \$16,000.

The limitation on the aggregate amount of length of service awards accruing with respect to any year of service for any bona fide volunteer under section 457(e)(11)(B)(ii) concerning deferred compensation plans of state and local governments and tax-exempt organizations is increased from \$7,000 to \$7,500.

The limitation on deferrals under section 457(e)(15) concerning deferred compensation plans of state and local governments and tax-exempt organizations is increased from \$22,500 to \$23,000.

The limitation under section 664(g)(7) concerning the qualified gratuitous transfer of qualified employer securities to an employee stock ownership plan remains \$60,000.

The compensation amount under § 1.61-21(f)(5)(i) of the Income Tax Regulations concerning the definition of “control employee” for fringe benefit valuation purposes is increased from \$130,000 to \$135,000. The compensation amount under § 1.61-21(f)(5)(iii) is increased from \$265,000 to \$275,000.

The dollar limitation on premiums paid for a qualifying longevity annuity contract under § 1.401(a)(9)-6, A-17(b)(2)(i), which was increased to \$200,000 pursuant to section 202 of the SECURE 2.0 Act of 2022 (“SECURE 2.0 Act”¹) with respect

¹ Division T of the Consolidated Appropriations Act, 2023, Pub. L. 117-328, 136 Stat. 4459 (2022).

to contracts purchased or received in an exchange on or after December 29, 2022 remains \$200,000.

The Code provides that the \$1,000,000,000 threshold used to determine whether a multiemployer plan is a systemically important plan under section 432(e)(9)(H)(v)(III)(aa) of the Code is adjusted using the cost-of-living adjustment provided under section 432(e)(9)(H)(v)(III)(bb). After taking the applicable rounding rule into account, the threshold used to determine whether a multiemployer plan is a systemically important plan under section 432(e)(9)(H)(v)(III)(aa) is increased from \$1,256,000,000 to \$1,369,000,000.

The Code also provides that several retirement-related amounts are to be adjusted using the cost-of-living adjustment under section 1(f)(3). After taking the applicable rounding rules into account, the amounts for 2024 are as follows:

The adjusted gross income limitation under section 25B(b)(1)(A) for determining the retirement savings contributions credit for married taxpayers filing a joint return is increased from \$43,500 to \$46,000; the limitation under section 25B(b)(1)(B) is increased from \$47,500 to \$50,000; and the limitation under sections 25B(b)(1)(C) and 25B(b)(1)(D) is increased from \$73,000 to \$76,500.

The adjusted gross income limitation under section 25B(b)(1)(A) for determining the retirement savings contributions credit for taxpayers filing as head of household is increased from \$32,625 to \$34,500; the limitation under section 25B(b)(1)(B) is increased from \$35,625 to \$37,500; and the limitation under sections 25B(b)(1)(C) and 25B(b)(1)(D) is increased from \$54,750 to \$57,375.

The adjusted gross income limitation under section 25B(b)(1)(A) for determining the retirement savings contributions credit for all other taxpayers is increased from \$21,750 to \$23,000; the limitation under section 25B(b)(1)(B) is increased from \$23,750 to \$25,000; and the limitation under sections 25B(b)(1)(C) and 25B(b)(1)(D) is increased from \$36,500 to \$38,250.

The deductible amount under section 219(b)(5)(A), which limits the amount of an individual's deductible qualified retirement contributions for a taxable year, is increased from \$6,500 to \$7,000. The increase in the deductible amount pursuant to section 219(b)(5)(B)(ii) for individuals who have attained age 50 before the close of the taxable year remains \$1,000.

The applicable dollar amount under section 219(g)(3)(B)(i) for determining the deductible amount of an IRA contribution for taxpayers who are active participants filing a joint return or as a qualifying widow(er) is increased from \$116,000 to \$123,000. The applicable dollar amount under section 219(g)(3)(B)(ii) for all other taxpayers who are active participants (other than married taxpayers filing separate returns) is increased from \$73,000 to

\$77,000. If an individual or the individual's spouse is an active participant, the applicable dollar amount under section 219(g)(3)(B)(iii) for a married individual filing a separate return is not subject to an annual cost-of-living adjustment and remains \$0. The applicable dollar amount under section 219(g)(7)(A) for a taxpayer who is not an active participant but whose spouse is an active participant is increased from \$218,000 to \$230,000.

Accordingly, under section 219(g)(2)(A), the deduction for taxpayers making contributions to a traditional IRA is phased out for single individuals and heads of household who are active participants in a qualified plan (or another retirement plan specified in section 219(g)(5)) and have adjusted gross incomes (as defined in section 219(g)(3)(A)) between \$77,000 and \$87,000, increased from between \$73,000 and \$83,000. For married couples filing jointly, if the spouse who makes the IRA contribution is an active participant, the income phase-out range is between \$123,000 and \$143,000, increased from between \$116,000 and \$136,000. For an IRA contributor who is not an active participant and is married to someone who is an active participant, the deduction is phased out if the couple's income is between \$230,000 and \$240,000, increased from between \$218,000 and \$228,000. For a married individual filing a separate return who is an active participant, the phase-out range is not subject to an annual cost-of-living adjustment and remains \$0 to \$10,000.

The adjusted gross income limitation under section 408A(c)(3)(B)(ii)(I) for determining the maximum Roth IRA contribution for married taxpayers filing a joint return or for taxpayers filing as a qualifying widow(er) is increased from \$218,000 to \$230,000. The adjusted gross income limitation under section 408A(c)(3)(B)(ii)(II) for all other taxpayers (other than married taxpayers filing separate returns) is increased from \$138,000 to \$146,000. The applicable dollar amount under section 408A(c)(3)(B)(ii)(III) for a married individual filing a separate return is not subject to an annual cost-of-living adjustment and remains \$0.

Accordingly, under section 408A(c)(3)(A), the adjusted gross income phase-out range for taxpayers making contributions to a Roth IRA is between \$230,000 and \$240,000 for married couples filing jointly, increased from between \$218,000 and \$228,000. For singles and heads of household, the income phase-out range is between \$146,000 and \$161,000, increased from between \$138,000 and \$153,000. For a married individual filing a separate return, the phase-out range is not subject to an annual cost-of-living adjustment and remains between \$0 and \$10,000.

The aggregate amount of qualified charitable distributions that are not includible in gross income under section 408(d)(8)(A) is increased from \$100,000 to \$105,000. The amount of qualified charitable distributions made directly to a split-interest entity that are not includible in gross income under section 408(d)(8)(F) pursuant to a one-time election is increased from \$50,000 to \$53,000.

Drafting Information

The principal author of this notice is Tom Morgan of the Office of Associate Chief Counsel (Employee Benefits, Exempt Organizations, and Employment Taxes). However, other personnel from the IRS participated in the development of this guidance. For further information regarding this notice, contact Mr. Morgan at (202) 317-6700 (not a toll-free call).



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3Q | 2023 THE 457(b) PLAN FIDUCIARY ADVISOR NEWSLETTER

Certain Retirement Plans' Contribution limit increases to \$23,000 for 2024, Catch-up contribution limit remains at \$7,500.

"The contribution limit for employees who participate in 401(k), 403(b), and most 457 plans, as well as the federal government's Thrift Savings Plan is increased to \$23,000, up from \$22,500 for 2023. The catch-up contribution limit for employees aged 50 and over who participate in 401(k), 403(b), and most 457 plans, as well as the federal government's Thrift Savings Plan remains \$7,500 for 2024. Therefore, participants in 401(k), 403(b), and most 457 plans, as well as the federal government's Thrift Savings Plan who are 50 and older can contribute up to \$30,500, starting in 2024." [Read More Here](#)¹

NAGDCA Submitted a Comment Letter to the Treasury and IRS regarding SECURE 2.0 Section 603, and Additional Setting Every Community Up for Retirement Enhancement Act of 2019 (SECURE 1.0) Compliance Matters

"On October 24, NAGDCA submitted a comment letter to the Treasury and IRS in response to Notice 2023-62, guidance on Section 603 of the SECURE 2.0 Act, and additional SECURE 1.0 compliance matters. The letter includes comments on requested issues and outlines the unique needs and considerations of government plans." [Click Here](#)² to read the letter and [Here](#)³ for additional SECURE 2.0 related NAGDCA correspondence.

Ninth Circuit Decision in AT&T Case Could Open Up Potential New Attacks on Retirement Plan Fiduciaries: What Fiduciaries Need to Know

"The Ninth Circuit found that the district court should not have granted summary judgment in AT&T's favor because there were triable issues of fact as to whether the arrangements with and compensation to Fidelity were 'reasonable,' and therefore exempt from ERISA's prohibited transaction provisions pursuant to ERISA Section 408(b)(2)... [T]he Ninth Circuit read the prohibited transaction rules and regulations more literally -- finding that AT&T had engaged in a prohibited transaction by simply amending the contract with Fidelity to incorporate the services of Brokeragelink and Financial Engines." [Bugielski v. AT&T Servs., Inc., No. 21-56196 (9th Cir. Aug. 4, 2023)]. [Read More Here](#)⁴

Survey Results: 35% of Gen X Has Less Than \$10k in Retirement Savings

"Compared to previous generations, the 65 million members of Gen X are facing an especially daunting task of building their retirement savings, and many are woefully underprepared. According to a recent survey by Prudential, only one-third of employees ages 43-58 have a retirement strategy in place, and 35% have less than \$10,000 set aside for their retirement. 82% of Gen Xers said they are not confident they will be able to fully retire, or already anticipate working part-time once they leave their jobs." [Read More Here](#)⁵

The DOL Announces Proposed Rule to Protect Retirement Savers' Interests by Updating Definition of Investment Advice Fiduciary

“The U.S. Department of Labor...announced that its Employee Benefits Security Administration has proposed a retirement security rule updating the definition of an investment advice fiduciary under the Employee Retirement Income Security Act. Aligned with the Biden-Harris administration’s efforts to protect retirement investors, the proposal would require trusted investment advisers to adhere to high standards of care and loyalty when they make investment recommendations and avoid recommendations that favor their financial and other interests at the expense of retirement savers.” [Read More Here](#)⁶

Controversial ‘Retirement Savings for Americans Act’ Reintroduced in Congress

“The reestablished bill is now backed by large-scale institutions and tech corporations including Goldman Sachs, SHRM, Uber and DoorDash. A bipartisan, bicameral bill that would make saving for retirement attainable for all American workers is once again on the Congress floor, and now backed by mega corporations and industry leaders. [T]he bill would establish a new program that gives eligible workers access to portable, tax-advantaged retirement savings accounts, according to a statement released by Senator Hickenlooper. If passed, the RSAA would allow the federal government to match contributions for low- and middle-income workers, with the match beginning to phase out at median income.” [Read More Here](#)⁷

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¹ Source: November 1, 2023, Internal Revenue Service: “401(k) limit increases to \$23,000 for 2024, IRA limit rises to \$7,000”

² Source: October 24, 2023, NAGDCA: “Notice 2023-62, Guidance on Section 603 of the SECURE 2.0 Act with Respect to Catch-Up Contributions and Additional SECURE Compliance Matters”

³ Source: NAGDCA Secure 2.0 Correspondence

⁴ Source: August 10, 2023, Trucker Huss: “Ninth Circuit Decision in AT&T Case Could Open Up Potential New Attacks on Retirement Plan Fiduciaries: What Fiduciaries Need to Know”

⁵ Source: August 22, 2023, Employee Benefits News: “Missing Money: 35% of Gen X Has Less Than \$10k in Retirement Savings”

⁶ Source: October 31, 2023, U.S. Department of Labor: “US Department of Labor Announces Proposed Rule to Protect Retirement Savers’ Interests by Updating Definition of Investment Advice Fiduciary”

⁷ Source: October 19, 2023, 401(k) Specialist: “Controversial ‘Retirement Savings for Americans Act’ Reintroduced in Congress”

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