
Town of Palm Beach Retirement System DC

Investment Performance Review
Period Ending June 30, 2024

MARINER

2nd Quarter 2024 Market Environment

The Economy

- The US Federal Reserve (the Fed) continued on its stable trajectory, holding rates steady during the second quarter. Capital markets have struggled to accurately predict the pace and timing of future Fed actions, resulting in an up and down quarter. In its press release for the June meeting, the Fed continued to assert that “In considering any adjustments to the target range for the federal funds rate, the Committee will carefully assess incoming data, the evolving outlook, and the balance of risks.”
- The Fed’s prolonged pause in its rate-hiking cycle and the insertion of the word “any” in its December press release provided capital markets hope that the Fed may pivot in its stance and begin reducing rates to a less restrictive level in 2024. The Fed’s published June “Dot Plot” revised expectations from three quarter-point rate cuts during the year to just one quarter-point rate cut. If this projection were to materialize, it would result in the first rate cut since the COVID pandemic in 2020.
- Growth in the US labor market continued in June, as nonfarm payrolls increased by 206,000 while unemployment rose slightly from 3.8% at the end of the first quarter to 4.1% at the end of the second quarter. Federal Reserve Chair Jerome Powell has maintained that “an unexpected weakening in the labor market could also warrant a policy response,” later defining unexpected weakening as something that would occur outside of their general forecasts.

Equity (Domestic and International)

- US equity results were mixed for the quarter, with large-capitalization (cap) stocks strongly outpacing small-cap stocks. As market participants continue to revise projections of future Fed actions, they sought safety among large-cap stocks due to these companies lessened dependence on external financing. The S&P 500 Index rose a solid 4.3% for the quarter, but ended a two-quarter streak of double-digit gains.
- Large-cap equity benchmarks continue to experience top-heavy concentration among a limited number of stocks. The top 10 stocks in the S&P 500 Index make up nearly 36% of the index’s weight as of June 2024. Year-to-date, these 10 stocks have contributed to more than 60% of the benchmark’s total return.
- International stocks also continued to experience growth during the second quarter, but results were muted by a strengthening US Dollar (USD). USD performance of international stocks lagged local currency (LCL) returns in most regions for the quarter, albeit to varying degrees.

Fixed Income

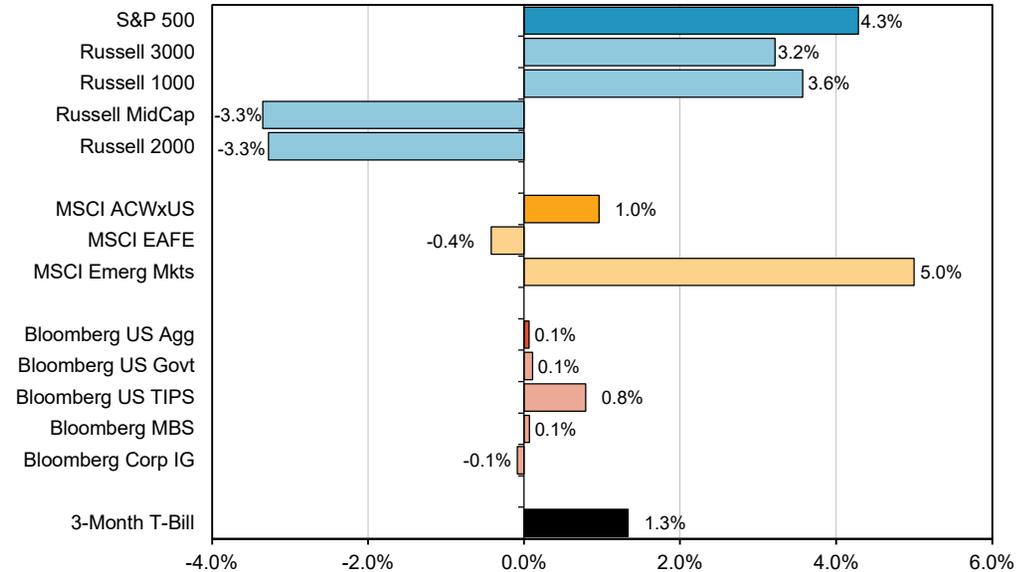
- Fixed-income markets remained largely steady during the quarter. While sticky inflation numbers and a robust job market prompted the Fed to keep the fed funds rate unchanged during the quarter, this lack of action also tempered expectations for the number of potential rate cuts in 2024.
- High-yield bonds outperformed investment-grade issues for the quarter, largely due to higher coupons. The high-yield index edged out the Bloomberg US Aggregate Bond Index, the bellwether bond benchmark, due to relative stability in both the yield curve and economic conditions.
- Global bonds continue to lag the domestic bond market, with the Bloomberg US Aggregate Bond Index outpacing the Global Aggregate ex-US Index by 2.2% for the quarter. The return gap between the two benchmarks continues to widen as the domestic index has outperformed the global index by 3.3% year-to-date.

Market Themes

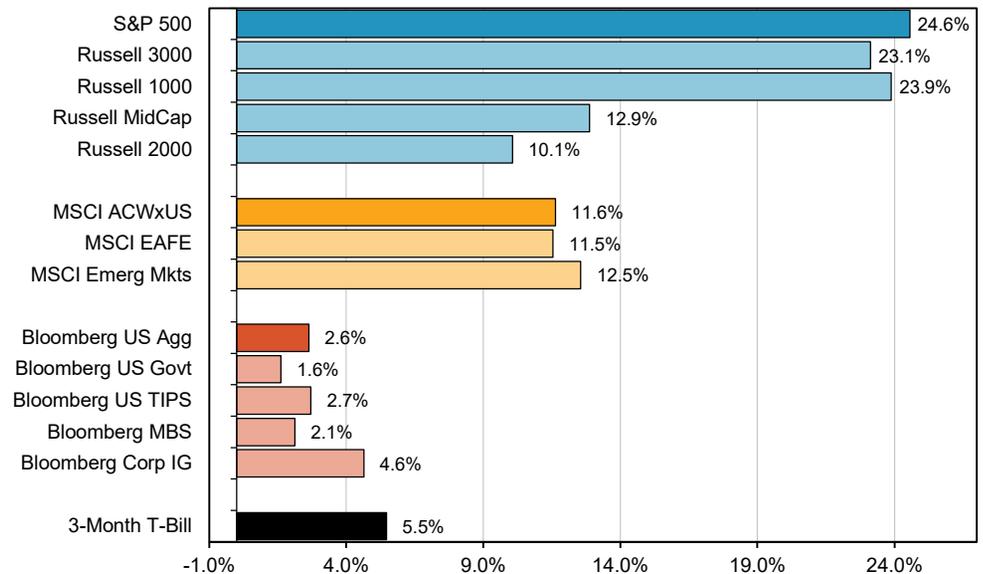
- Domestic and international equity markets posted strong results in the second quarter. Continuing their robust 2023 run, large-cap growth sectors continued to outpace their value counterparts in 2024, and by a wider margin than the prior year. The brief increased breadth markets experienced during of the first quarter did not continue during the second quarter, and so once again, large-cap growth stocks were the best-performing US asset category.
- Central banks remained vigilant in their stances to bring inflation under control. While inflation readings remain stubbornly elevated, signs of stable-to-cooling price pressures have shown up in most regions around the world. Domestically, job growth has slowed from a pace of 300,000+ month-over-month growth to just over 200,000 net new jobs.
- Policy rates were stable across most developed markets as central banks continued their tight monetary stances. Expectations of looser monetary policy have been frustrated by mixed economic data and central banks’ inaction so far this year.
- Ongoing military conflicts coupled with global economic uncertainty continue to act as headwinds to international market results. While global disruptions from the Russia-Ukraine conflict seemed to subside during the quarter, the proxy war in the Middle East has spread to other countries in the region and unsettled shipping channels globally.

- Performance in the domestic equity markets was disparate during the second quarter. After a more encouraging showing last quarter, where markets broadened out in terms of strength, large-cap stocks once again surged ahead while smaller-cap stocks weakened slightly. For the period, the large-cap S&P 500 and Russell 1000 indexes posted returns of 4.3% and 3.6%, respectively. The broad-cap Russell 3000 index lagged slightly, returning a more modest 3.2%. Outside of large-cap issues, the Russell Mid Cap and Russell 2000 indexes both experienced equivalent pullbacks during the quarter, with each benchmark returning -3.3%.
- International developed market equities were muted during the quarter. The MSCI ACWI ex US Index posted a modest 1.0% gain for the quarter, while the MSCI EAFE Index fell slightly, posting a return of -0.4% in USD terms. International emerging market (EM) equities posting a 5.0% return for the quarter, outpacing the performance of their developed market counterparts. Much of the solid performance in the EM region was attributed to a bounce back in China, Taiwan, and Singapore, each posting strong USD results during the quarter.
- Most broad fixed-income indexes rose slightly during the second quarter of 2024. The Bloomberg US Aggregate Index returned 0.1% for the quarter, while investment-grade corporate bonds slid -0.1%. The TIPS market was the best-performing sector during the quarter, outpacing the rest of the domestic fixed-income categories with a return of 0.8%.
- Large-cap US equity indexes have been a performance juggernaut over the trailing 12 months. The S&P 500 Index has gained 24.6% while the Russell 1000 Index was nearly as strong with a return of 23.9%. The weakest performing class of domestic equities for the year was the small-cap Russell 2000 Index, which still posted a double-digit return of 10.1% over the last 12 months.
- International markets also showcased healthy performance for the one-year trailing period. The MSCI EM Index was the best international performer, returning 12.5%, while the MSCI EAFE and MSCI ACWI ex US indexes posted returns of 11.5% and 11.6%, respectively.
- Bond markets posted positive but muted results for the trailing one-year period which substantially lagged equity benchmark results. Investment-grade corporate bonds led the way, up by 4.6% for the year. Meanwhile, Treasuries lagged, returning just 1.6% over the period. The bellwether fixed-income benchmark, the Bloomberg US Aggregate Bond Index, returned a mild 2.6% for the year.

Quarter Performance

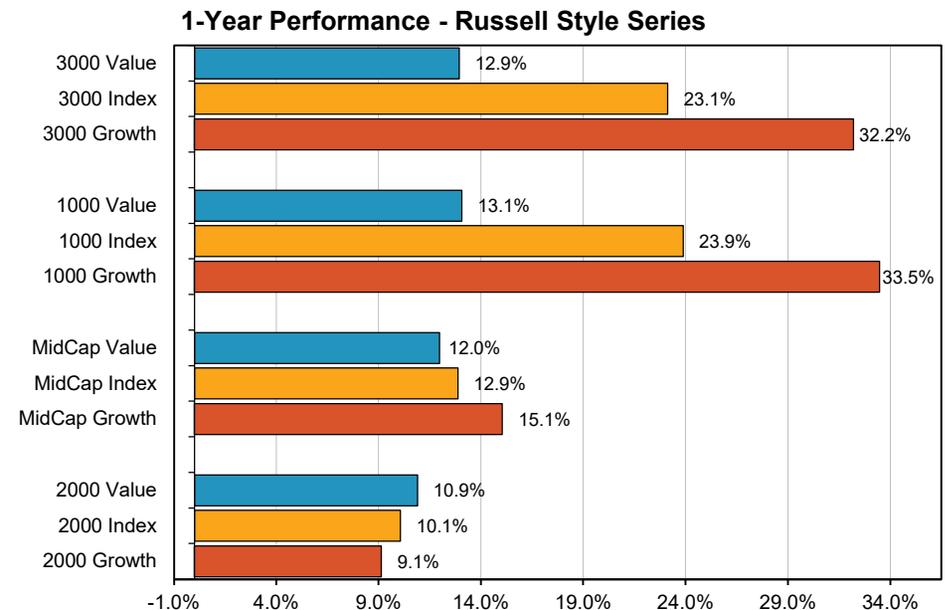
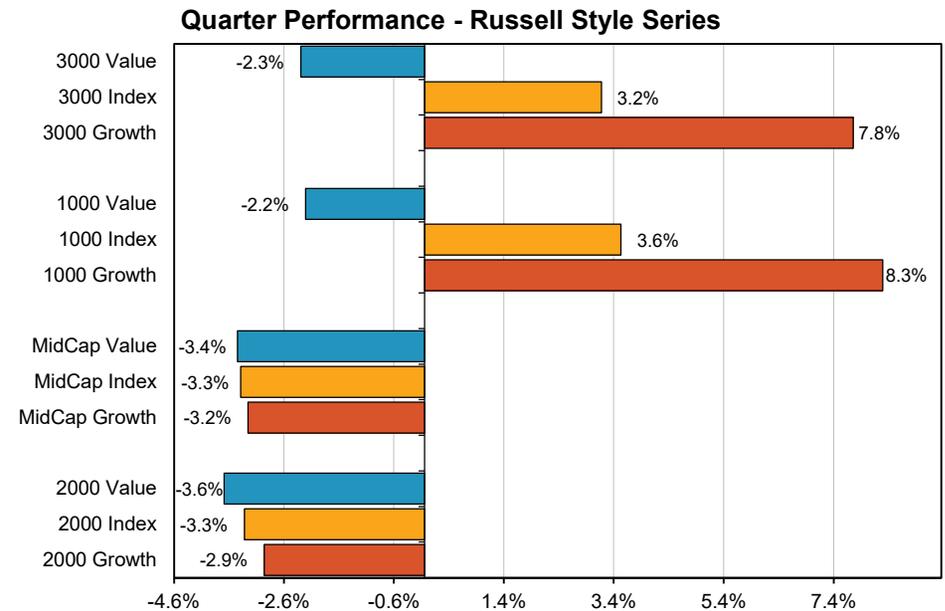


1-Year Performance



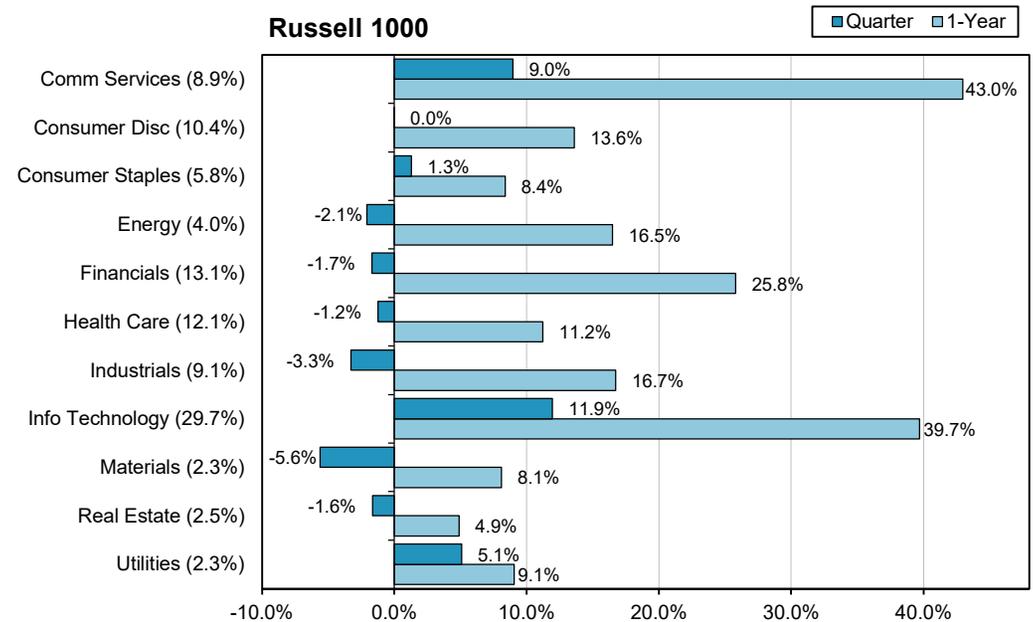
Source: Investment Metrics

- Domestic equity benchmarks posted mixed absolute results for the second quarter, but growth stocks outpaced their value counterparts at each capitalization level. The best-performing area of the equity market continues to be large-cap growth with the Russell 1000 Growth Index returning 8.3% for the quarter. The worst-performing segment of the domestic equity market for the second consecutive quarter was small-cap value with the Russell 2000 Value index falling -3.6% for the quarter. From a capitalization perspective, large-cap stocks once again led their small-cap counterparts, with the Russell 1000 Index returning 3.2% and the Russell 2000 Index falling by -3.3%.
- The market's growth-led rally continued during the quarter, and this disparity was most visible in large-cap style performance, with the Russell 1000 Growth Index outpacing the Russell 1000 Value Index by double digits (10.1%). While mid-cap and small-cap growth fell in absolute terms for the quarter, the mid- and small-cap growth indexes held up slightly better than their value counterparts. This quarter's results followed the theme of large-cap growth stocks being the best-performing segment of the domestic equity market over the past several years.
- For the year the Russell 1000 Growth Index returned an impressive 33.5%, leading the way among style and market capitalization classifications. Much of this strong performance has been attributable to the emergence of the "Magnificent 7" stocks, which have dominated the large-cap indexes over the past several years. The seven biggest stocks in the Russell 1000 Index contributed more than 70% of the index's total performance in the trailing 12-month period.
- The weakest performing index for the year was the Russell 2000 Growth, which still posted a solid return of 9.1%.
- The dominance of growth sectors is evident in the chart with the broad-cap, large-cap, and mid-cap benchmarks handily outperforming the core and value indexes for the trailing one-year period. The performance gap between the Russell 1000 Growth Index and the Russell 1000 Value Index was a staggering 20.4% for the year while the mid-cap growth index edged past the mid-cap value index by just 3.1%. Small-cap stocks bucked the growth-dominance trend with the Russell 2000 Value Index posting a return of 10.9% versus a return of 9.1% for the Russell 2000 Growth Index.

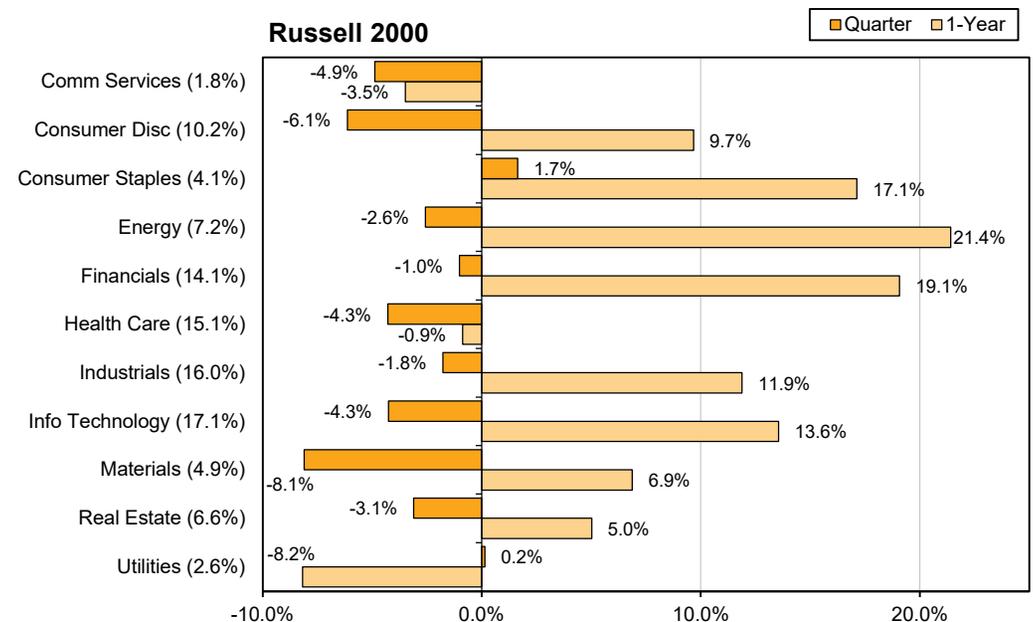


Source: Investment Metrics

- Economic sector performance was choppy during the second quarter. This quarter broke the preceding trend of broader participation in the equity market's rally. Only five of the 11 economic sectors posted positive absolute returns for the quarter, with information technology (11.9%), communication services (9.0%), and utilities (5.1%) leading the way.
- In contrast, full-year results were more consistent as all 11 economic sectors finished the year in positive territory. Of the 11 sectors, three (communication services, up 43.0%; information technology, up 39.7%; and financials, up 25.8%) were up by more than 25.0% for the past year. With their more than 40% combined weight in the benchmark, these three sectors were also the only ones to outpace the Russell 1000 Index's return of 23.9%. Despite solid positive performance, utilities (up 9.1%), consumer staples (8.4%), materials (8.1%), consumer staples (8.4%), and real estate (4.9%) were all relative detractors for the year with their single-digit returns.



- Nine of the 11 small-cap economic sectors lost value during the quarter. Consumer staples (up 1.7%), and utilities (0.2%) were the only two sectors to post gains for the quarter. Materials was the worst-performing sector posting a loss of -8.1% for the quarter. While not always the case, small-cap stocks generally have greater dependence on liquidity and access to capital which can lead to lagging performance relative to large-cap stocks during periods of restrictive monetary policy.
- Similar to large-cap sector performance, eight of the 11 small-cap sectors were positive over the trailing one-year period. Energy posted the strongest sector performance with a return of 21.4%, followed closely by the financials sector return of 19.1%. Consumer staples (up 17.1%), information technology (13.6%), and industrials (11.9%) each produced double-digit results for the period. Three sectors (communication services, health care, and utilities) posted negative results during the period.



Source: Morningstar Direct
 As a result of the GICS classification changes on 9/28/2018 and certain associated reporting limitations, sector performance represents backward looking performance for the prior year of each sector's current constituency, post creation of the Communication Services sector.

The Market Environment
Top 10 Index Weights & Quarterly Performance for the Russell 1000 & 2000
As of June 30, 2024

Top 10 Weighted Stocks				
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector
Microsoft Corp	6.7%	6.4%	32.3%	Information Technology
Apple Inc	6.2%	23.0%	9.2%	Information Technology
NVIDIA Corp	5.9%	36.7%	192.1%	Information Technology
Amazon.com Inc	3.5%	7.1%	48.2%	Consumer Discretionary
Meta Platforms Inc Class A	2.2%	3.9%	76.1%	Communication Services
Alphabet Inc Class A	2.2%	20.8%	52.3%	Communication Services
Alphabet Inc Class C	1.9%	20.6%	51.8%	Communication Services
Eli Lilly and Co	1.5%	16.6%	94.5%	Health Care
Berkshire Hathaway Inc Class B	1.5%	21.5%	88.4%	Financials
Broadcom Inc	1.4%	-3.3%	19.3%	Information Technology

Top 10 Weighted Stocks				
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector
Super Micro Computer Inc	1.6%	-18.9%	228.7%	Information Technology
MicroStrategy Inc Class A	0.8%	-19.2%	302.3%	Information Technology
Carvana Co Class A	0.5%	46.4%	396.6%	Consumer Discretionary
e.l.f. Beauty Inc	0.4%	7.5%	84.5%	Consumer Staples
Comfort Systems USA Inc	0.4%	-4.2%	86.0%	Industrials
Onto Innovation Inc	0.4%	21.3%	88.5%	Information Technology
FTAI Aviation Ltd	0.4%	54.0%	234.2%	Industrials
Light & Wonder Inc Ordinary Shares	0.4%	2.7%	52.5%	Consumer Discretionary
Insmed Inc	0.4%	147.0%	217.5%	Health Care
Fabrinet	0.4%	29.5%	88.5%	Information Technology

Top 10 Performing Stocks (by Quarter)				
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector
GameStop Corp Class A	0.0%	97.2%	1.8%	Consumer Discretionary
Petco Health and Wellness Co	0.0%	65.8%	-57.5%	Consumer Discretionary
Alnylam Pharmaceuticals Inc	0.1%	62.6%	27.9%	Health Care
United Therapeutics Corp	0.0%	38.7%	44.3%	Health Care
Cirrus Logic Inc	0.0%	37.9%	57.6%	Information Technology
NCR Atleos Corp	0.0%	36.8%	N/A	Financials
NVIDIA Corp	5.9%	36.7%	192.1%	Information Technology
AMC Entertainment	0.0%	33.9%	-87.2%	Communication Services
First Solar Inc	0.0%	33.6%	18.6%	Information Technology
Cava Group Inc	0.0%	32.4%	126.5%	Consumer Discretionary

Top 10 Performing Stocks (by Quarter)				
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector
AST SpaceMobile Inc Ordinary Shares	0.1%	300.3%	147.0%	Communication Services
Emergent BioSolutions Inc	0.0%	169.6%	-7.2%	Health Care
Novavax Inc	0.1%	164.9%	70.4%	Health Care
Rent the Runway Inc Class A	0.0%	154.3%	-55.6%	Consumer Discretionary
Insmed Inc	0.4%	147.0%	217.5%	Health Care
Innodata Inc	0.0%	124.7%	30.9%	Industrials
NuScale Power Corp Class A	0.0%	120.2%	71.9%	Industrials
TransMedics Group Inc	0.2%	103.7%	79.4%	Health Care
Vital Farms Inc Ordinary Shares	0.1%	101.2%	290.1%	Consumer Staples
Matterport Inc Ordinary Shares	0.0%	97.8%	41.9%	Information Technology

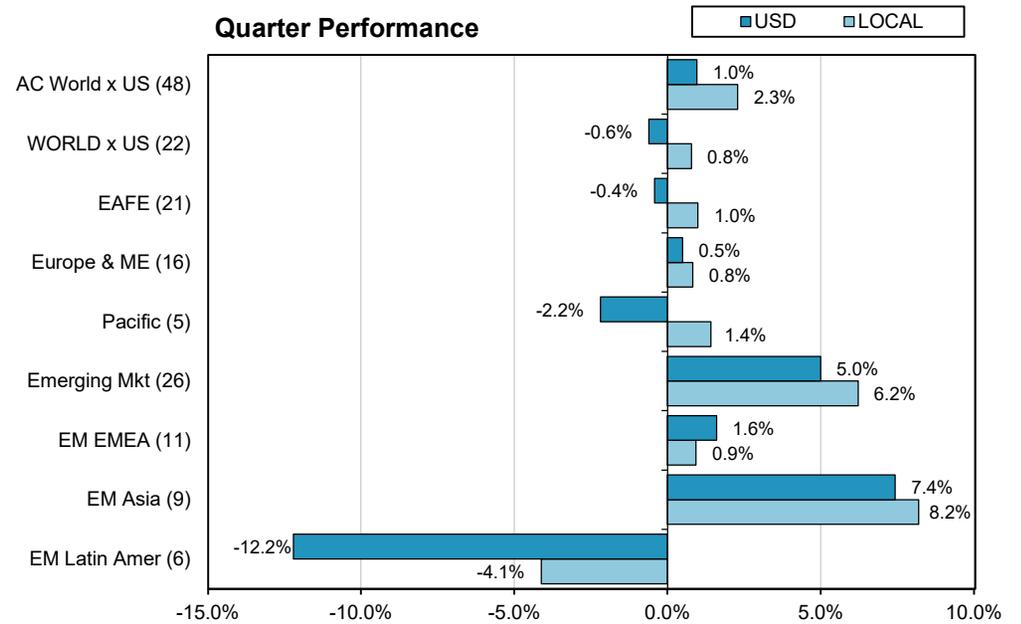
Bottom 10 Performing Stocks (by Quarter)				
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector
Ginkgo Bioworks Holdings Inc	0.0%	-71.2%	-82.0%	Materials
Hertz Global Holdings Inc	0.0%	-54.9%	-80.8%	Industrials
10x Genomics Inc	0.0%	-48.2%	-65.2%	Health Care
DoubleVerify Holdings Inc	0.0%	-44.6%	-50.0%	Information Technology
UiPath Inc Class A	0.0%	-44.1%	-23.5%	Information Technology
Walgreens Boots Alliance Inc	0.0%	-43.5%	-54.6%	Consumer Staples
Fortrea Holdings Inc	0.0%	-41.9%	-31.4%	Health Care
Five Below Inc	0.0%	-39.9%	-44.6%	Consumer Discretionary
Leggett & Platt Inc	0.0%	-39.9%	-58.8%	Consumer Discretionary
Unity Software Inc Ordinary Shares	0.0%	-39.1%	-62.6%	Information Technology

Bottom 10 Performing Stocks (by Quarter)				
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector
Aerovate Therapeutics Inc	0.0%	-94.4%	-90.3%	Health Care
Marinus Pharmaceuticals Inc	0.0%	-87.1%	-89.2%	Health Care
Cerence Inc Ordinary Shares	0.0%	-82.0%	-90.3%	Information Technology
Velo3D Inc	0.0%	-79.2%	-95.6%	Industrials
Akoustis Technologies Inc	0.0%	-77.7%	-95.9%	Information Technology
Gritstone Bio Inc	0.0%	-76.0%	-68.3%	Health Care
Ovid Therapeutics Inc	0.0%	-74.8%	-76.5%	Health Care
Maxeon Solar Technologies Ltd	0.0%	-74.4%	-97.0%	Information Technology
Zentalis Pharmaceuticals Inc	0.0%	-74.0%	-85.5%	Health Care
Nikola Corp	0.0%	-73.8%	-80.2%	Industrials

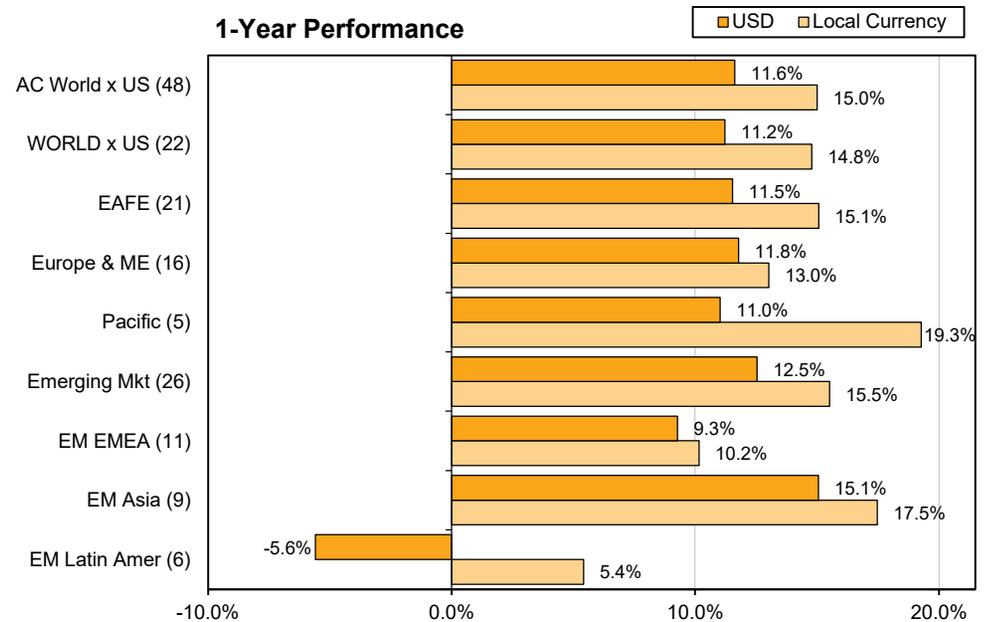
Source: Morningstar Direct

- Results among the broad international equity indexes were mixed during the quarter, echoing the performance of major domestic indexes. The strengthening USD relative to many major currencies during the quarter was a detractor to the USD performance of regional benchmark returns across most regions. The developed-market MSCI EAFE Index returned a muted 1.0% in LCL terms but fell -0.4% in USD terms. The MSCI Emerging Markets Index was the best-performing broad index and rose by 5.0% in USD and 6.2% in LCL terms for the quarter.
- Latin America continued to struggle during the quarter in both USD and LCL terms. The cyclical demand for commodity exports in the region has resulted in greater volatility due to ongoing uncertainty over central bank policies and future global demand.
- The heaviest-weighted country in the emerging market index (China) rebounded 7.1% during the quarter. The Chinese economy grew at a rate of 5.2% in 2023, lower than its pre-pandemic rate of 6.0% and has been a headwind for performance. Troubles in the commercial property and banking sectors have also created challenges for growth in the region. Despite the additive performance in the region, the Chinese banking sector underwent heavy consolidation during the second quarter amid regional bank failures across the country.
- Much like domestic markets, trailing one-year results for international developed and emerging markets benchmarks were strong. Higher LCL versus USD returns for most international benchmarks demonstrate the USD's strength over the trailing one-year period.
- Most broad and regional indexes were positive for the trailing 12 months in both USD and LCL terms. The sole exception was EM Latin America, where USD strength turned the region's positive LCL performance negative in USD terms. In LCL terms, the MSCI Pacific Index led the way with a return of 19.3% for the trailing year. USD returns for the region were still strong but returned a more muted 11.0%. The EM Asia regional index posted the strongest relative USD performance, returning 15.1% over the trailing 12 months.

Quarter Performance



1-Year Performance



Source: MSCI Global Index Monitor (Returns are Net)

The Market Environment
US Dollar International Index Attribution & Country Detail
As of June 30, 2024

MSCI - EAFE	Sector Weight	Quarter Return	1-Year Return
Communication Services	4.1%	0.5%	10.1%
Consumer Discretionary	11.5%	-9.0%	0.1%
Consumer Staples	8.5%	-1.6%	-6.8%
Energy	4.1%	1.3%	15.9%
Financials	20.0%	3.3%	24.2%
Health Care	13.5%	4.7%	11.5%
Industrials	16.9%	-0.8%	15.0%
Information Technology	9.5%	0.2%	24.1%
Materials	6.7%	-3.2%	8.5%
Real Estate	2.0%	-6.7%	7.6%
Utilities	3.1%	0.8%	-0.6%
Total	100.0%	-0.4%	11.5%

MSCI - ACWixUS	Sector Weight	Quarter Return	1-Year Return
Communication Services	5.3%	4.0%	5.7%
Consumer Discretionary	11.1%	-4.8%	1.9%
Consumer Staples	7.2%	-1.7%	-5.9%
Energy	5.5%	1.3%	18.9%
Financials	21.7%	2.6%	18.7%
Health Care	9.5%	3.8%	10.0%
Industrials	13.7%	-0.5%	13.1%
Information Technology	14.0%	5.2%	28.3%
Materials	7.1%	-1.9%	5.1%
Real Estate	1.8%	-4.7%	4.5%
Utilities	3.1%	2.2%	3.7%
Total	100.0%	1.0%	11.6%

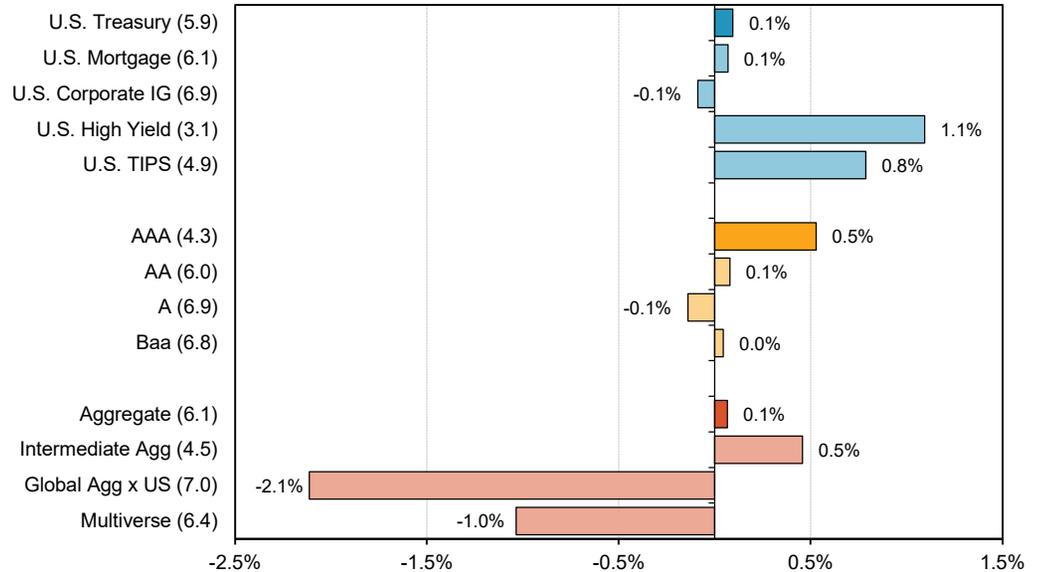
MSCI - Emerging Mkt	Sector Weight	Quarter Return	1-Year Return
Communication Services	8.9%	8.2%	2.7%
Consumer Discretionary	12.3%	5.1%	6.3%
Consumer Staples	5.2%	-3.0%	-5.7%
Energy	5.2%	3.3%	25.2%
Financials	21.9%	3.5%	12.6%
Health Care	3.2%	-4.3%	-2.8%
Industrials	6.9%	4.0%	6.9%
Information Technology	25.1%	11.3%	34.2%
Materials	6.9%	-1.8%	-3.1%
Real Estate	1.5%	2.8%	-4.1%
Utilities	3.0%	6.2%	20.3%
Total	100.0%	5.0%	12.5%

Country	MSCI-EAFE Weight	MSCI-ACWixUS Weight	Quarter Return	1-Year Return
Japan	22.7%	14.4%	-4.3%	13.2%
United Kingdom	14.9%	9.5%	3.7%	12.5%
France	11.2%	7.1%	-7.5%	0.5%
Switzerland	9.7%	6.2%	3.1%	6.1%
Germany	8.7%	5.5%	-1.4%	10.1%
Australia	7.5%	4.8%	1.6%	14.1%
Netherlands	5.4%	3.4%	5.0%	25.6%
Denmark	4.0%	2.5%	7.5%	42.1%
Sweden	3.2%	2.1%	2.2%	18.2%
Italy	2.7%	1.7%	-3.4%	21.3%
Spain	2.7%	1.7%	-1.6%	15.0%
Hong Kong	1.8%	1.1%	1.0%	-18.0%
Singapore	1.4%	0.9%	8.9%	13.5%
Finland	1.0%	0.6%	3.0%	1.7%
Belgium	1.0%	0.6%	0.9%	9.0%
Israel	0.7%	0.5%	-4.2%	23.6%
Norway	0.6%	0.4%	6.6%	14.2%
Ireland	0.3%	0.2%	-0.8%	12.5%
Portugal	0.2%	0.1%	8.5%	-6.4%
Austria	0.2%	0.1%	7.1%	17.9%
New Zealand	0.2%	0.1%	3.2%	3.7%
Total EAFE Countries	100.0%	63.6%	-0.4%	11.5%
Canada		7.4%	-2.1%	8.6%
Total Developed Countries		71.0%	-0.6%	11.2%
China		7.3%	7.1%	-1.6%
Taiwan		5.6%	15.1%	40.7%
India		5.6%	10.2%	34.4%
Korea		3.5%	-1.2%	8.1%
Brazil		1.2%	-12.2%	-7.7%
Saudi Arabia		1.1%	-7.4%	0.9%
South Africa		0.9%	12.3%	12.3%
Mexico		0.6%	-16.1%	-6.5%
Indonesia		0.5%	-12.4%	-11.8%
Malaysia		0.4%	4.4%	17.5%
Thailand		0.4%	-4.8%	-13.3%
United Arab Emirates		0.3%	-2.3%	0.8%
Poland		0.3%	6.1%	32.4%
Turkey		0.2%	21.4%	62.1%
Qatar		0.2%	-0.3%	0.7%
Kuwait		0.2%	-2.8%	2.2%
Philippines		0.1%	-10.7%	-3.1%
Greece		0.1%	-1.2%	9.6%
Chile		0.1%	-1.3%	-9.3%
Peru		0.1%	2.0%	40.0%
Hungary		0.1%	9.2%	29.0%
Czech Republic		0.0%	6.3%	3.5%
Colombia		0.0%	-4.6%	26.7%
Egypt		0.0%	-4.2%	-4.8%
Total Emerging Countries		29.0%	5.0%	12.5%
Total ACWixUS Countries		100.0%	1.0%	11.6%

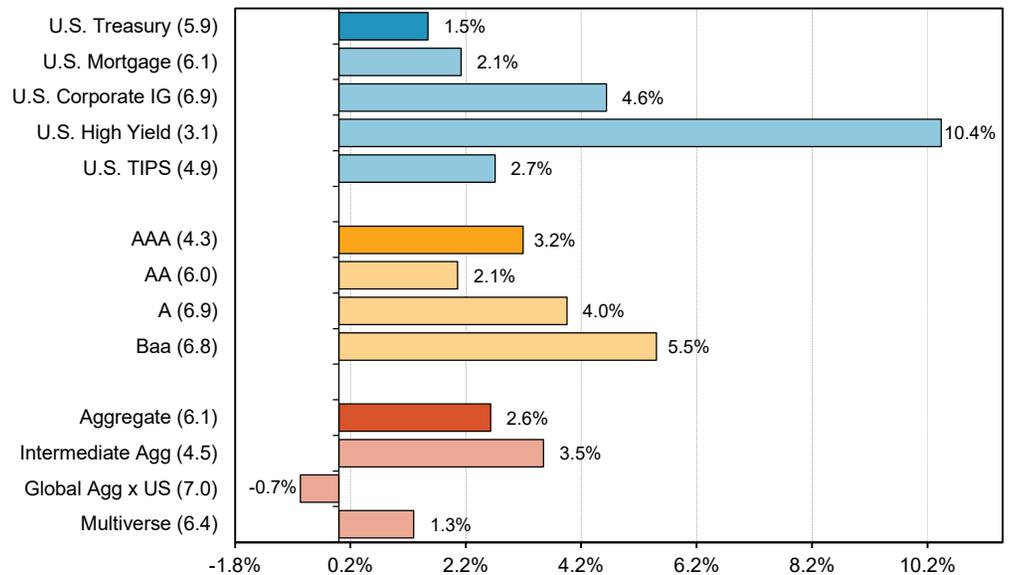
Source: Morningstar Direct, MSCI Global Index Monitor (Returns are Net in USD)
As a result of the GICS classification changes on 9/28/2018 and certain associated reporting limitations, sector performance represents backward looking performance for the prior year of each sector's current constituency, post creation of the Communication Services sector.

- Fixed-income markets fell in a relatively tight range for the quarter with many domestic sectors returning less than 0.5%. Yields remained at elevated levels as the Federal Reserve maintained its restrictive policy stance. If market expectations hold and the Fed begins to cut rates in 2024, to the extent any cuts lower yields across the curve, it will provide a jolt to bondholder performance since bond prices move in the opposite direction of yields.
- The Bloomberg US Aggregate Bond Index had a mixed quarter of performance made up of a large drawdown in April followed by smaller recoveries in May and June that combined for an index return of 0.1%. Performance across the investment-grade index's segments for the quarter was similarly muted with the Bloomberg US Corporate Investment Grade Index returning -0.1% and the US Mortgage Index gaining 0.1%.
- Outside of the Aggregate index's sub-components, high-yield bonds continued to rise, posting a return of 1.1%, boosted by the higher coupon income, and US TIPS climbed 0.8% for the quarter. The Bloomberg Global Aggregate ex-US Index returned -2.1% for the quarter with USD strength exerting downward pressure on performance. This global performance lagged domestic fixed-income indexes as well as the multiverse benchmark's return of -1.0%.
- Over the trailing one-year period, the Bloomberg US Aggregate Bond Index managed a 2.6% return. The benchmark's sub-components also posted positive performance over the trailing 12 months with the Bloomberg US Corporate Investment Grade Index rising 4.6% and the US Mortgage Index posting a more modest 2.1% return. US TIPS and high-yield corporate bonds, which are excluded from the aggregate index, each posted gains in the trailing year with returns of 2.7% and 10.4%, respectively. In addition to their higher coupons, high-yield bonds benefited from generally shorter duration than investment-grade corporate debt. This lower duration acted as a tailwind for high-yield bonds as interest rates rose during the trailing year.
- Among credit qualities, lower-quality bonds (both investment grade and non-investment grade) have outperformed higher-quality bonds due to both their higher yields, which contribute to higher interest payments, and narrowing credit spreads over the last year.
- Performance for non-US bonds was negative for the trailing year with the Bloomberg Global Aggregate ex-US Index falling -0.7%. With foreign central banks largely tracking the Fed's tight monetary stance, the negative performance of global bonds is largely attributable to USD strength over the last year.

Quarter Performance



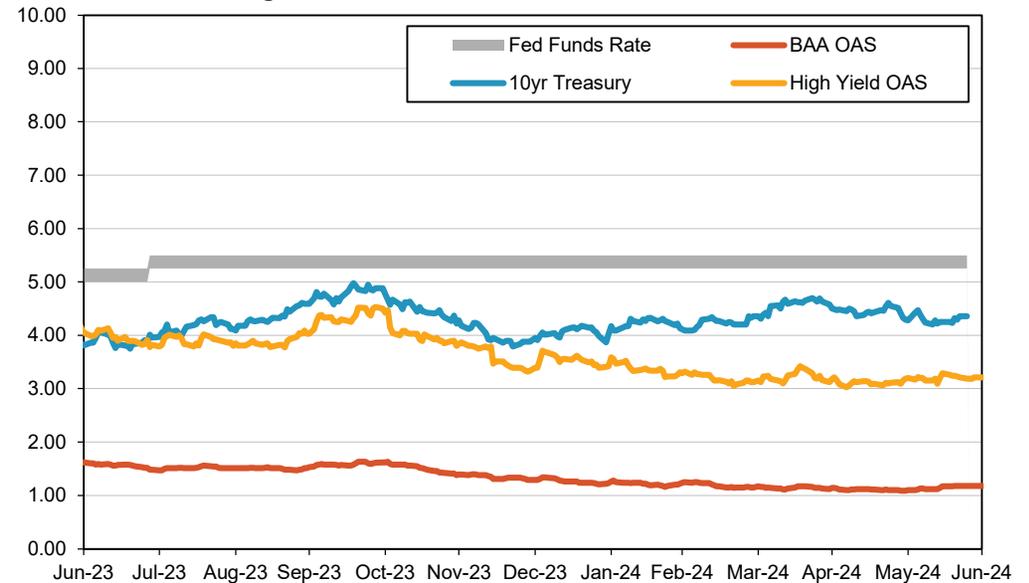
1-Year Performance



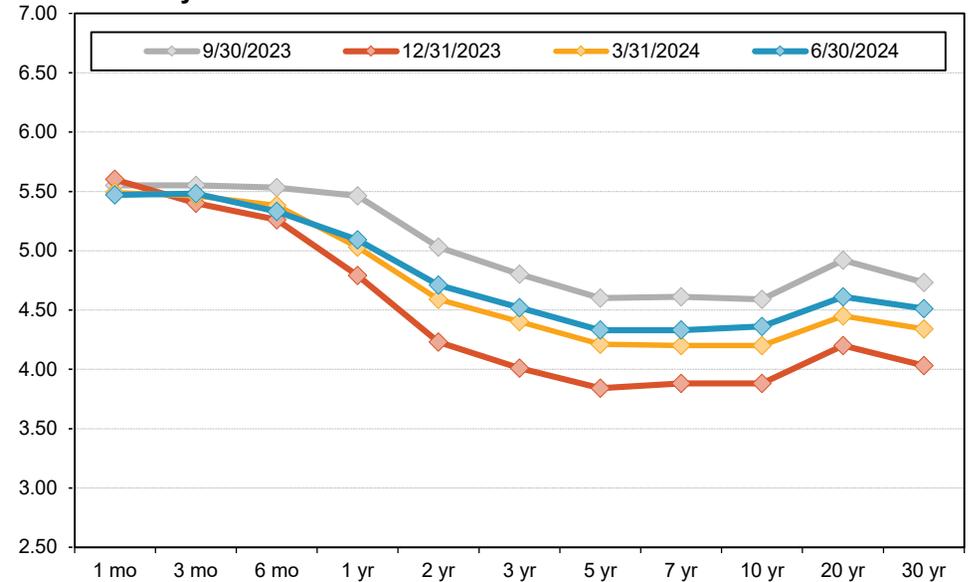
Source: Bloomberg

- The gray band across the graph illustrates the current fed funds target rate range over the last 12 months. During the second quarter, the Federal Open Market Committee (FOMC) continued to hold fed funds rates steady in the 5.25%-5.50% target range. The last rate increase in the current cycle occurred at the FOMC's July 2023 meeting. While the FOMC's press releases have continued to push economic data-dependent outcomes, the language used to describe economic conditions in these releases has also softened, resulting in market expectations that the next rate action by the FOMC will likely be a cut. The CME FedWatch tool, which forecasts rates based on Fed Fund futures pricing, currently shows a greater than 90% probability of a 0.25% rate decrease at the FOMC September meeting. Fed officials and market participants continue to express concern that leaving rates at their current levels for an extended period could tip the US economy into a recession. However, inflation remains above the FOMC's long-term 2.0% target level. Additionally, the FOMC continues to remove liquidity from the market by allowing bonds held on its balance sheet to mature without reinvesting principal payments.
- The yield on the US 10-year Treasury (blue line of the top chart) remained stable, opening the quarter at 4.33% and finishing June at a yield of 4.36%. The stability of the benchmark rate reflects the stability of the Federal Reserve's policy stance and the persistently high level of inflation throughout the economy. The 10-year Treasury benchmark's rate peaked in October 2023, cresting at a yield of just under 5.00% before pulling back in the remainder of the year.
- The red line in the top chart shows the Option Adjusted Spread (OAS) for BAA-rated corporate bonds. This measure quantifies the additional yield premium that investors require to purchase and hold non-US Treasury issues with the lowest investment grade rating. During the quarter, the yield spread was relatively unchanged, beginning the quarter at 1.18% and finishing June at 1.17%. The spread measure narrowed over the trailing 12-month period after concerns about the regional banking sector during March 2023 caused credit spreads to spike. High-yield OAS spreads (represented by the orange line in the top chart) have also remained relatively unchanged, rising by just 0.07%. The spread measures' stability results from steady economic growth, stable monetary policy, and falling inflation readings.
- The lower graph provides a snapshot of the US Treasury yield curve at the end of each of the last four quarters. The yield curve has been inverted for each of the last four quarter-end readings on the graph and for most of last two years. Historically, a persistent yield curve inversion has been a precursor of an economic recession within six to 24 months.

1-Year Trailing Market Rates



Treasury Yield Curve



Source: US Department of Treasury, FRED (Federal Reserve of St. Louis)

[CME FedWatch Tool - CME Group](#)

[Effective Federal Funds Rate - FEDERAL RESERVE BANK of NEW YORK \(newyorkfed.org\)](#)

[ICE BofA US High Yield Index Option-Adjusted Spread \(BAMLH0A0HYM2\) | FRED | St. Louis Fed \(stlouisfed.org\)](#)

[When will the Federal Reserve start cutting interest rates? | J.P. Morgan Asset Management \(jpmorgan.com\)](#)

[Resource Center | U.S. Department of the Treasury](#)

[China's Economy Limpes Into 2024 – WSJ](#)

[Support Site - Global Index Lens: Index Returns – MSCI](#)

[Federal Reserve issues FOMC statement](#)

[Transcript of Chair Powell's Press Conference -- June 12, 2024 \(federalreserve.gov\)](#)

[U.S. Treasurys: investors look to inflation data due in week ahead \(cnbc.com\)](#)

[Yen drops to 38-year low, U.S. dollar slumps after weak data \(cnbc.com\)](#)

[Jobs report June 2024: \(cnbc.com\)](#)

[The Fed - June 12, 2024: FOMC Projections materials, accessible version \(federalreserve.gov\)](#)

[The Federal Reserve's latest dot plot, explained – and what it says about interest rates | Bankrate](#)

[Top 25 Stocks in the S&P 500 By Index Weight for July 2024 \(investopedia.com\)](#)

[Will Small-Cap Stocks Ever Catch Up? | Morningstar](#)

[Why Chinese banks are now vanishing \(economist.com\)](#)

Asset Allocation
Total 457 and 401a Plans
As of June 30, 2024

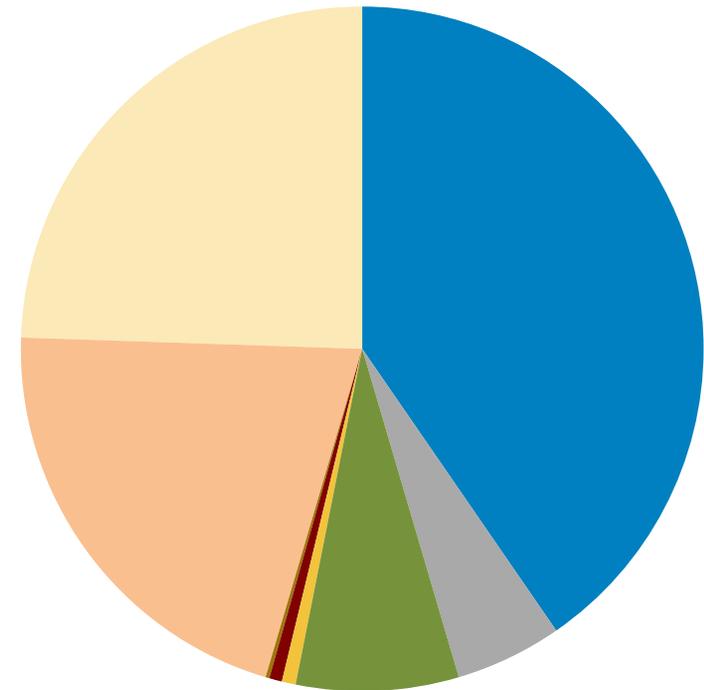
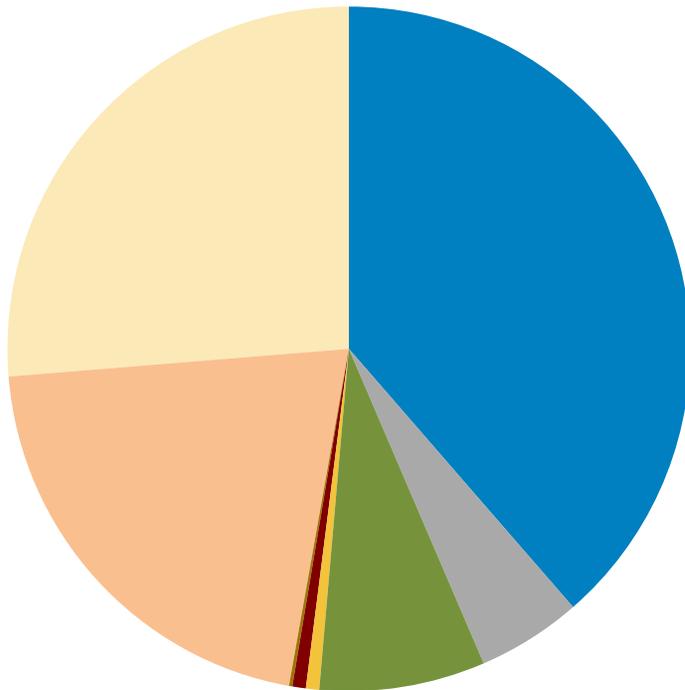
Asset Allocation Attributes	Jun-2024		Mar-2024		Dec-2023		Sep-2023	
	(\$)	%	(\$)	%	(\$)	%	(\$)	%
Total 457 & 401a Plans	72,089,018	100.00	70,551,361	100.00	69,863,743	100.00	64,705,488	100.00
457 Plan- 300786	51,029,316	70.79	49,968,125	70.83	50,021,440	71.60	46,703,682	72.18
401a Plan- 106397	18,329,299	25.43	17,830,807	25.27	17,150,030	24.55	15,519,534	23.98
401a Fire Share-106796	2,730,403	3.79	2,752,429	3.90	2,692,274	3.85	2,482,272	3.84

Asset Allocation
Total Fund RHS Plans
As of June 30, 2024

Asset Allocation Attributes	Jun-2024		Mar-2024		Dec-2023		Sep-2023	
	(\$)	%	(\$)	%	(\$)	%	(\$)	%
	Total RHS Plans	7,243,631	100.00	7,068,822	100.00	6,599,998	100.00	5,995,515
RHS Old Plan- 800533	477,832	6.60	476,195	6.74	459,458	6.96	426,967	7.12
RHS Current Plan- 803116	6,765,798	93.40	6,592,627	93.26	6,140,540	93.04	5,568,549	92.88

March 31, 2024 : \$49,968,125

June 30, 2024 : \$51,029,316



Asset Allocation by Segment

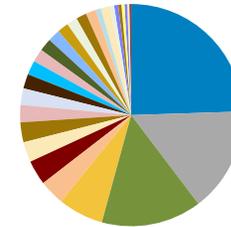
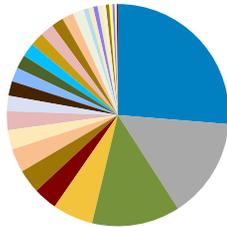
Segments	Market Value	Allocation
Domestic Equity	19,288,260	38.6
International Equity	2,468,163	4.9
Domestic Fixed Income	3,920,830	7.8
Real Estate	314,109	0.6
Hedge Fund	316,709	0.6
Cash Equivalent	79,823	0.2
Balanced	10,445,865	20.9
Stable Value	13,134,367	26.3

Asset Allocation by Segment

Segments	Market Value	Allocation
Domestic Equity	20,607,595	40.4
International Equity	2,576,425	5.0
Domestic Fixed Income	3,927,922	7.7
Real Estate	335,152	0.7
Hedge Fund	307,642	0.6
Cash Equivalent	91,308	0.2
Balanced	10,696,474	21.0
Stable Value	12,486,798	24.5

Mar-2024 : \$49,968,125

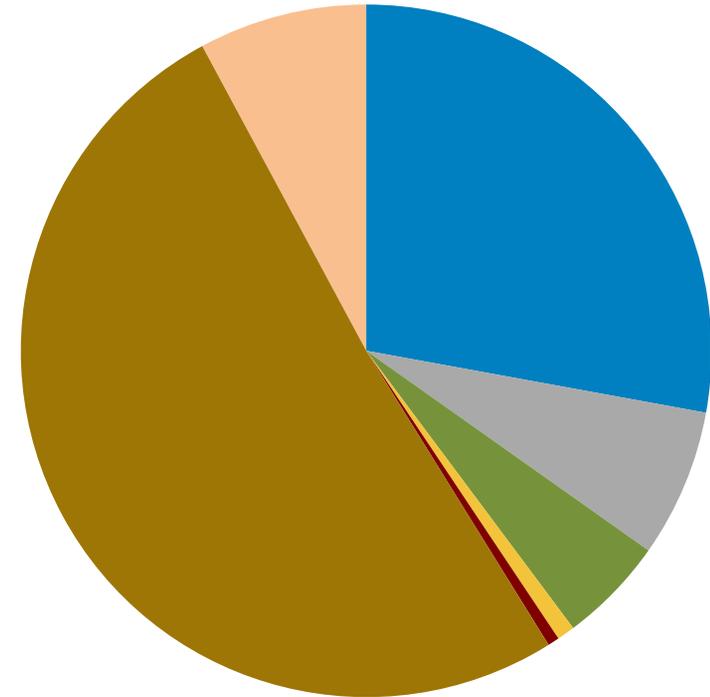
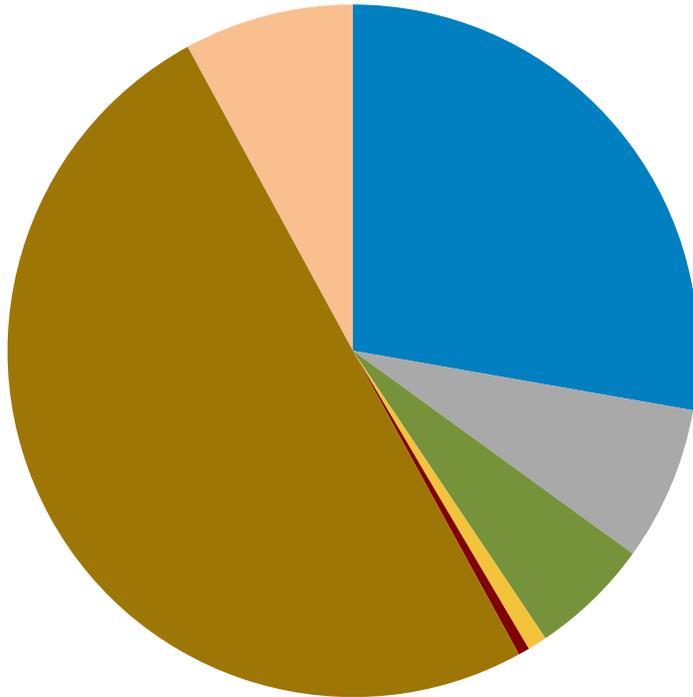
Jun-2024 : \$51,029,316



Allocation	Market Value	Allocation	Allocation	Market Value	Allocation
MissionSquare Plus Fund	13,134,367	26.3	MissionSquare Plus Fund	12,486,798	24.5
Vanguard 500 Index Fund (VFIAX)	7,302,395	14.6	Vanguard 500 Index Fund (VFIAX)	7,763,533	15.2
Fidelity Lrg Cap Gro Idx (FSPGX)	6,418,403	12.8	Fidelity Lrg Cap Gro Idx (FSPGX)	7,438,688	14.6
Vanguard Target Retirement 2030 (VTHR)	2,941,185	5.9	Vanguard Target Retirement 2030 (VTHR)	3,365,369	6.6
Vanguard Target Retirement Income (VTINX)	1,731,777	3.5	Dodge & Cox Income X (DOXIX)	1,875,336	3.7
Vanguard Target Retirement 2025 (VTTVX)	1,728,141	3.5	Vanguard Target Retirement Income (VTINX)	1,829,766	3.6
Dodge & Cox Income X (DOXIX)	1,723,253	3.4	Vanguard Total Int'l Stock Index (VTIAX)	1,503,626	2.9
Vanguard Total Int'l Stock Index (VTIAX)	1,408,171	2.8	Vanguard Target Retirement 2025 (VTTVX)	1,476,155	2.9
Vanguard Target Retirement 2020 (VTWNX)	1,378,827	2.8	Vanguard Target Retirement 2020 (VTWNX)	1,288,050	2.5
BNY Mellon Dynamic Value (DRGYX)	1,115,757	2.2	BNY Mellon Dynamic Value (DRGYX)	1,227,470	2.4
MSQ Diversified International	1,059,992	2.1	MSQ Diversified International	1,072,799	2.1
MSQ Invesco Discovery Fund (ODIYX)	1,020,855	2.0	Vanguard Target Retirement 2035 (VTTHX)	1,053,069	2.1
Vanguard Mid Cap Index (VIMAX)	1,007,804	2.0	MSQ Retirement Income Advantage	984,144	1.9
Vanguard Target Retirement 2035 (VTTHX)	1,001,964	2.0	Vanguard Mid Cap Index (VIMAX)	951,144	1.9
MissionSquare Inflation Focused	984,167	2.0	MSQ Invesco Discovery Fund (ODIYX)	900,386	1.8
MSQ Retirement Income Advantage	983,845	2.0	MissionSquare Inflation Focused	837,165	1.6
MSQ TimesSquare Mid Cap Growth (TMDPX)	881,432	1.8	Vanguard Small Cap Index (VSMAX)	796,531	1.6
Vanguard Target Retirement 2050 (VFIFX)	827,036	1.7	MSQ TimesSquare Mid Cap Growth (TMDPX)	766,993	1.5
Vanguard Small Cap Index (VSMAX)	791,525	1.6	Vanguard Target Retirement 2050 (VFIFX)	751,250	1.5
Vanguard Target Retirement 2045 (VTIVX)	378,638	0.8	Vanguard Target Retirement 2045 (VTIVX)	395,285	0.8
MSQ Victory Sycamore Est Value (VEVYX)	352,466	0.7	MSQ Cohen & Steers Realty R5	335,152	0.7
Self Directed Brokerage Account	316,709	0.6	MSQ Victory Sycamore Est Value (VEVYX)	333,084	0.7
MSQ Cohen & Steers Realty R5	314,109	0.6	Vanguard Target Retirement 2055 (VFFVX)	327,940	0.6
Vanguard Target Retirement 2055 (VFFVX)	291,097	0.6	Self Directed Brokerage Account	307,642	0.6
Neuberger Berman High Yield Fixed Income (NHILX)	229,564	0.5	Neuberger Berman High Yield Fixed Income (NHILX)	231,277	0.5
MissionSquare Small Cap Discovery	229,434	0.5	MissionSquare Small Cap Discovery	230,151	0.5
MSQ Parnassus Core Equity (PRBLX)	168,188	0.3	MSQ Parnassus Core Equity (PRBLX)	199,615	0.4
Vanguard Target Retirement 2040 (VFORX)	152,034	0.3	Vanguard Target Retirement 2040 (VFORX)	163,074	0.3
MSQ Cash Management	79,823	0.2	MSQ Cash Management	91,308	0.2
Vanguard Target Retirement 2060 (VTTSX)	11,500	0.0	Vanguard Target Retirement 2060 (VTTSX)	35,928	0.1
Vanguard Target Retirement 2065 (VLXVX)	3,665	0.0	Vanguard Target Retirement 2065 (VLXVX)	10,589	0.0

March 31, 2024 : \$17,830,807

June 30, 2024 : \$18,329,299



Asset Allocation by Segment

Segments	Market Value	Allocation
Domestic Equity	4,947,711	27.7
International Equity	1,286,790	7.2
Domestic Fixed Income	1,003,904	5.6
Real Estate	161,483	0.9
Cash Equivalent	92,460	0.5
Balanced	8,922,077	50.0
Stable Value	1,416,382	7.9

Asset Allocation by Segment

Segments	Market Value	Allocation
Domestic Equity	5,107,546	27.9
International Equity	1,267,887	6.9
Domestic Fixed Income	916,169	5.0
Real Estate	152,018	0.8
Cash Equivalent	98,794	0.5
Balanced	9,343,371	51.0
Stable Value	1,443,513	7.9

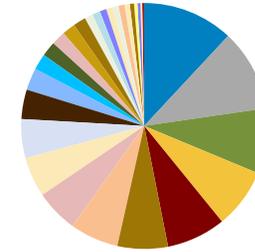
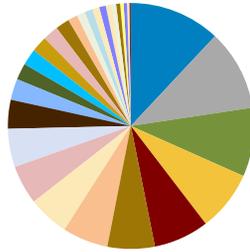
Asset Allocation by Asset Class

401a Plan- 106397

As of June 30, 2024

Mar-2024 : \$17,830,807

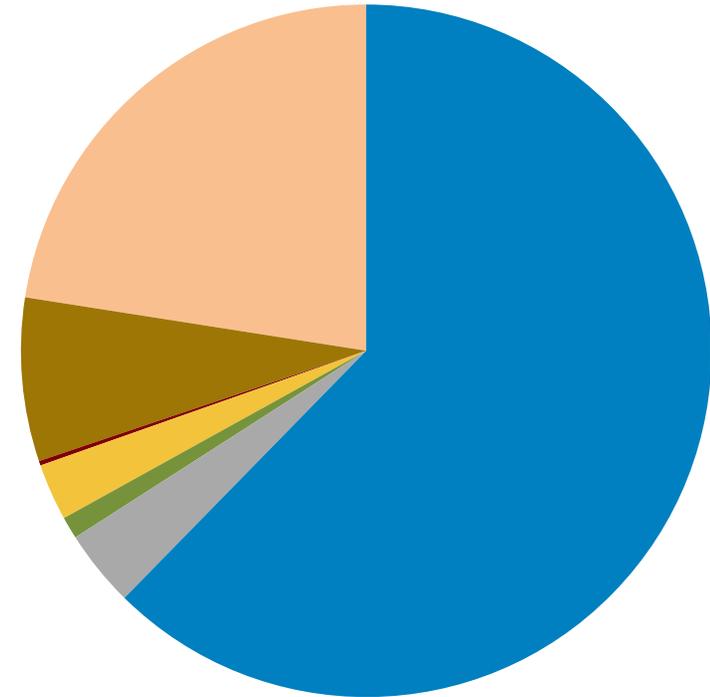
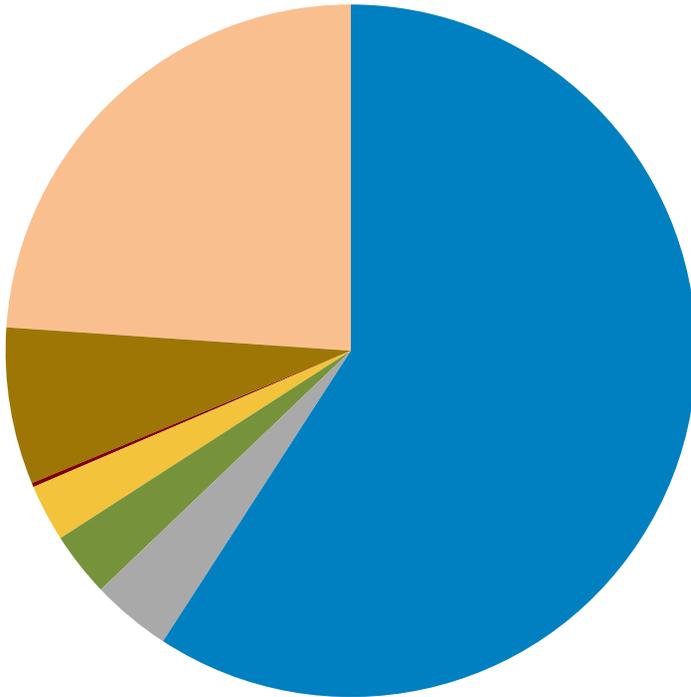
Jun-2024 : \$18,329,299



Allocation			Allocation		
	Market Value	Allocation		Market Value	Allocation
Vanguard 500 Index Fund (VFIAX)	2,133,839	12.0	Vanguard 500 Index Fund (VFIAX)	2,185,207	11.9
Vanguard Target Retirement 2030 (VTHR)	1,897,230	10.6	Vanguard Target Retirement 2030 (VTHR)	1,974,249	10.8
Vanguard Target Retirement 2020 (VTW)	1,615,015	9.1	Vanguard Target Retirement 2020 (VTW)	1,572,925	8.6
MissionSquare Plus Fund	1,416,382	7.9	MissionSquare Plus Fund	1,443,513	7.9
Vanguard Target Retirement 2035 (VTTH)	1,295,933	7.3	Vanguard Target Retirement 2035 (VTTH)	1,418,086	7.7
Vanguard Target Retirement 2025 (VTTV)	1,105,773	6.2	Vanguard Target Retirement 2025 (VTTV)	1,214,845	6.6
Vanguard Target Retirement 2040 (VFOR)	1,069,129	6.0	Vanguard Target Retirement 2040 (VFOR)	1,175,122	6.4
Vanguard Total Int'l Stock Index (VTI)	960,050	5.4	Vanguard Total Int'l Stock Index (VTI)	960,962	5.2
Fidelity Lrg Cap Gro Idx (FSPGX)	915,477	5.1	Fidelity Lrg Cap Gro Idx (FSPGX)	1,029,359	5.6
Vanguard Target Retirement 2045 (VTIV)	900,653	5.1	Vanguard Target Retirement 2045 (VTIV)	940,292	5.1
Vanguard Target Retirement 2050 (VFIF)	676,379	3.8	Vanguard Target Retirement 2050 (VFIF)	709,225	3.9
Vanguard Small Cap Index (VSMAX)	495,939	2.8	Vanguard Small Cap Index (VSMAX)	532,799	2.9
Dodge & Cox Income X (DOXIX)	386,869	2.2	Vanguard Mid Cap Index (VIMAX)	386,262	2.1
Vanguard Mid Cap Index (VIMAX)	385,065	2.2	Dodge & Cox Income X (DOXIX)	357,988	2.0
MissionSquare Inflation Focused	371,428	2.1	MSQ Invesco Discovery Fund (ODIY)	338,359	1.8
MSQ Invesco Discovery Fund (ODIY)	365,659	2.1	MissionSquare Inflation Focused	315,880	1.7
MSQ Diversified International	326,740	1.8	MSQ Diversified International	306,925	1.7
Vanguard Target Retirement Income (VTIN)	222,484	1.2	MSQ Retirement Income Advantage	196,925	1.1
MSQ Retirement Income Advantage	194,221	1.1	MSQ TimesSquare Mid Cap Growth (TMDPX)	192,570	1.1
MSQ TimesSquare Mid Cap Growth (TMDPX)	191,493	1.1	BNY Mellon Dynamic Value (DRGY)	159,432	0.9
MSQ Cohen & Steers Realty R5	161,483	0.9	MSQ Cohen & Steers Realty R5	152,018	0.8
BNY Mellon Dynamic Value (DRGY)	157,435	0.9	Vanguard Target Retirement 2055 (VFFV)	146,933	0.8
MSQ Parnassus Core Equity (PRBL)	140,582	0.8	Vanguard Target Retirement Income (VTIN)	144,411	0.8
Vanguard Target Retirement 2055 (VFFV)	101,343	0.6	MSQ Parnassus Core Equity (PRBL)	129,212	0.7
MSQ Cash Management	92,460	0.5	MSQ Cash Management	98,794	0.5
MissionSquare Small Cap Discovery	82,593	0.5	MissionSquare Small Cap Discovery	83,244	0.5
MSQ Victory Sycamore Est Value (VEVY)	79,630	0.4	MSQ Victory Sycamore Est Value (VEVY)	71,102	0.4
Neuberger Berman High Yield Fixed Income (NHIL)	51,386	0.3	Neuberger Berman High Yield Fixed Income (NHIL)	45,376	0.2
Vanguard Target Retirement 2060 (VTT)	31,842	0.2	Vanguard Target Retirement 2060 (VTT)	38,631	0.2
Vanguard Target Retirement 2065 (VLXV)	6,296	0.0	Vanguard Target Retirement 2065 (VLXV)	8,653	0.0

March 31, 2024 : \$2,752,429

June 30, 2024 : \$2,730,403



Asset Allocation by Segment

Segments	Market Value	Allocation
Domestic Equity	1,628,200	59.2
International Equity	102,667	3.7
Domestic Fixed Income	83,063	3.0
Real Estate	73,303	2.7
Cash Equivalent	5,134	0.2
Balanced	201,652	7.3
Stable Value	658,410	23.9

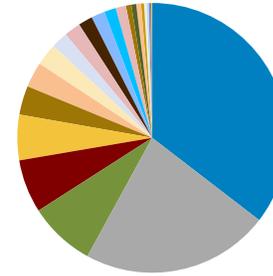
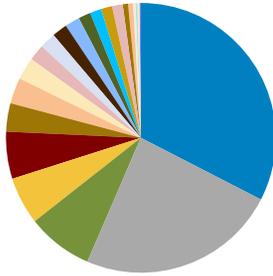
Asset Allocation by Segment

Segments	Market Value	Allocation
Domestic Equity	1,702,259	62.3
International Equity	98,151	3.6
Domestic Fixed Income	28,116	1.0
Real Estate	72,550	2.7
Cash Equivalent	5,766	0.2
Balanced	208,462	7.6
Stable Value	615,099	22.5

Asset Allocation by Asset Class
401a Fire Share-106796
As of June 30, 2024

Mar-2024 : \$2,752,429

Jun-2024 : \$2,730,403

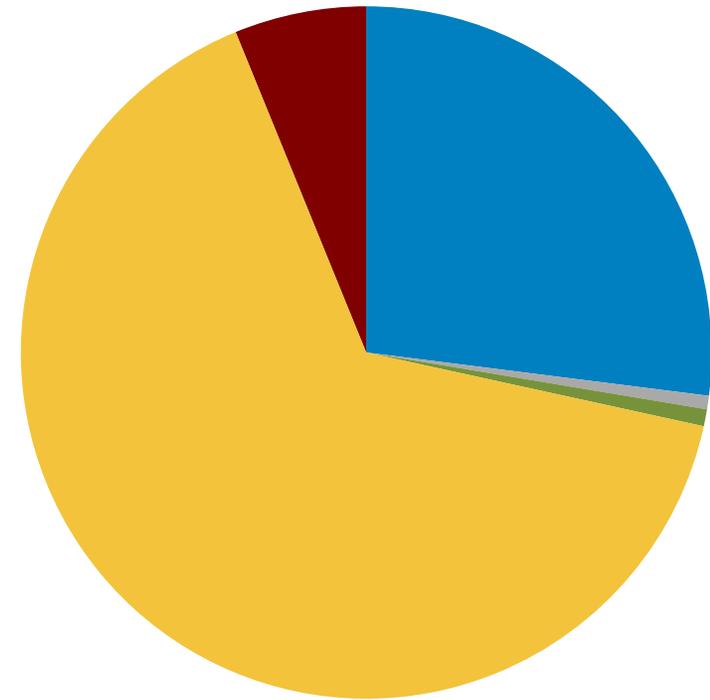
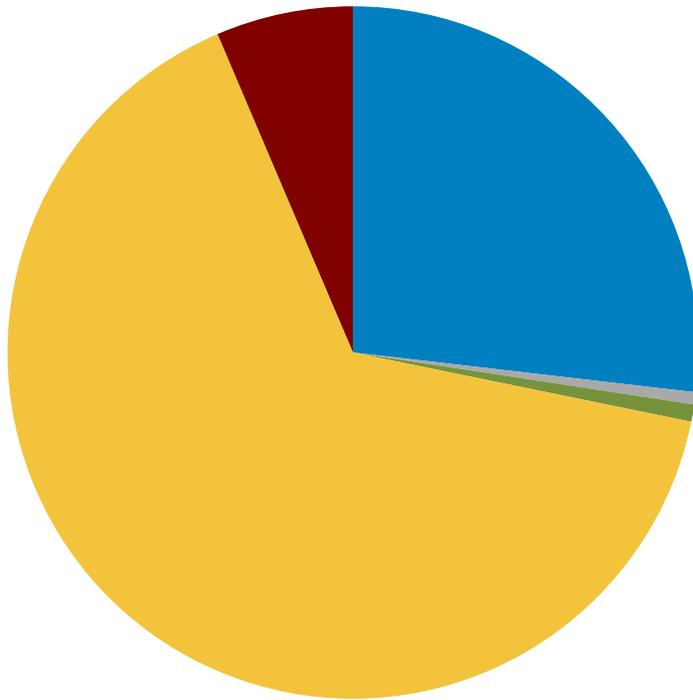


Allocation	Market Value	Allocation	Allocation	Market Value	Allocation
Fidelity Lrg Cap Gro Idx (FSPGX)	896,283	32.6	Fidelity Lrg Cap Gro Idx (FSPGX)	967,820	35.4
MissionSquare Plus Fund	658,410	23.9	MissionSquare Plus Fund	615,099	22.5
MSQ Invesco Discovery Fund (ODIYX)	217,541	7.9	MSQ Invesco Discovery Fund (ODIYX)	217,501	8.0
Vanguard Mid Cap Index (VIMAX)	156,846	5.7	Vanguard 500 Index Fund (VFIAX)	174,259	6.4
Vanguard 500 Index Fund (VFIAX)	155,676	5.7	Vanguard Mid Cap Index (VIMAX)	148,953	5.5
Vanguard Target Retirement 2025 (VTTVX)	93,169	3.4	Vanguard Target Retirement 2025 (VTTVX)	94,306	3.5
MSQ TimesSquare Mid Cap Growth (TMDPX)	85,897	3.1	MSQ TimesSquare Mid Cap Growth (TMDPX)	83,179	3.0
MSQ Cohen & Steers Realty R5	73,303	2.7	MSQ Cohen & Steers Realty R5	72,550	2.7
MSQ Diversified International	53,786	2.0	Vanguard Target Retirement 2035 (VTTHX)	54,040	2.0
Vanguard Target Retirement 2035 (VTTHX)	53,237	1.9	MSQ Diversified International	53,716	2.0
Vanguard Small Cap Index (VSMAX)	49,852	1.8	Vanguard Small Cap Index (VSMAX)	46,555	1.7
Vanguard Total Int'l Stock Index (VTIAX)	48,881	1.8	Vanguard Total Int'l Stock Index (VTIAX)	44,435	1.6
Dodge & Cox Income X (DOXIX)	40,408	1.5	Vanguard Target Retirement 2040 (VFORX)	38,382	1.4
Vanguard Target Retirement 2040 (VFORX)	37,743	1.4	MissionSquare Small Cap Discovery	33,696	1.2
MissionSquare Inflation Focused	36,464	1.3	Vanguard Target Retirement 2045 (VTIVX)	17,829	0.7
MissionSquare Small Cap Discovery	35,367	1.3	Dodge & Cox Income X (DOXIX)	15,782	0.6
Vanguard Target Retirement 2045 (VTIVX)	17,503	0.6	BNY Mellon Dynamic Value (DRGYX)	15,751	0.6
BNY Mellon Dynamic Value (DRGYX)	15,979	0.6	MissionSquare Inflation Focused	9,751	0.4
MSQ Victory Sycamore Est Value (VEVYX)	8,140	0.3	MSQ Victory Sycamore Est Value (VEVYX)	7,801	0.3
MSQ Parnassus Core Equity (PRBLX)	6,619	0.2	MSQ Parnassus Core Equity (PRBLX)	6,744	0.2
Neuberger Berman High Yield Fixed Income (NHILX)	6,192	0.2	MSQ Cash Management	5,766	0.2
MSQ Cash Management	5,134	0.2	Vanguard Target Retirement 2050 (VFIFX)	3,905	0.1
Vanguard Target Retirement 2020 (VTWNX)	-	0.0	Neuberger Berman High Yield Fixed Income (NHILX)	2,583	0.1
Vanguard Target Retirement 2030 (VTHR)	-	0.0	Vanguard Target Retirement 2020 (VTWNX)	-	0.0
Vanguard Target Retirement 2050 (VFIFX)	-	0.0	Vanguard Target Retirement 2030 (VTHR)	-	0.0
Vanguard Target Retirement 2055 (VFFVX)	-	0.0	Vanguard Target Retirement 2055 (VFFVX)	-	0.0
Vanguard Target Retirement 2060 (VTTSX)	-	0.0	Vanguard Target Retirement 2060 (VTTSX)	-	0.0
Vanguard Target Retirement 2065 (VLXVX)	-	0.0	Vanguard Target Retirement 2065 (VLXVX)	-	0.0
MSQ Retirement Income Advantage	-	0.0	MSQ Retirement Income Advantage	-	0.0

Page Intentionally Left Blank

March 31, 2024 : \$6,592,627

June 30, 2024 : \$6,765,798



Asset Allocation by Segment

Segments	Market Value	Allocation
Domestic Equity	1,769,303	26.8
International Equity	37,200	0.6
Domestic Fixed Income	53,029	0.8
Balanced	4,309,891	65.4
Stable Value	423,205	6.4

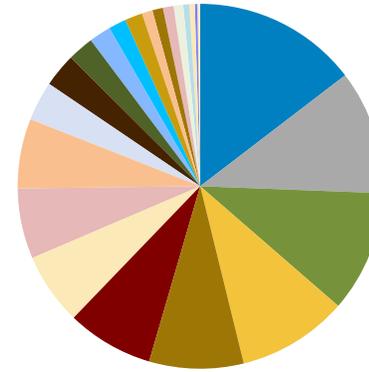
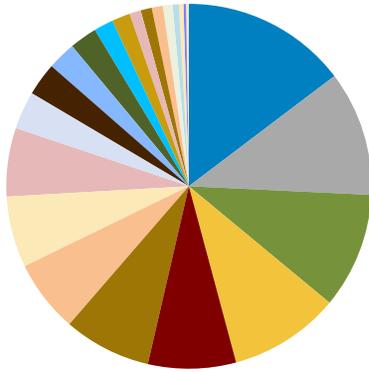
Asset Allocation by Segment

Segments	Market Value	Allocation
Domestic Equity	1,826,646	27.0
International Equity	42,706	0.6
Domestic Fixed Income	53,363	0.8
Balanced	4,425,406	65.4
Stable Value	417,678	6.2

Asset Allocation by Asset Class
RHS Current Plan
As of June 30, 2024

Mar-2024 : \$6,592,627

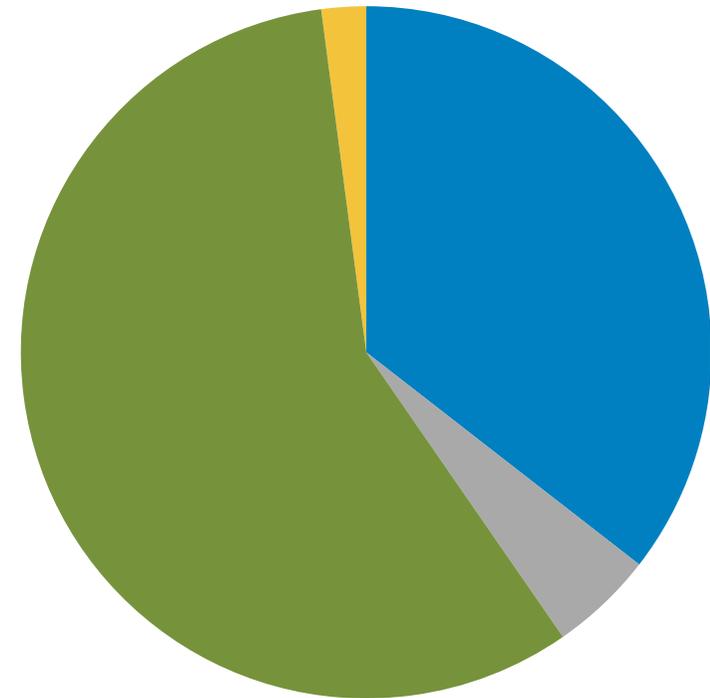
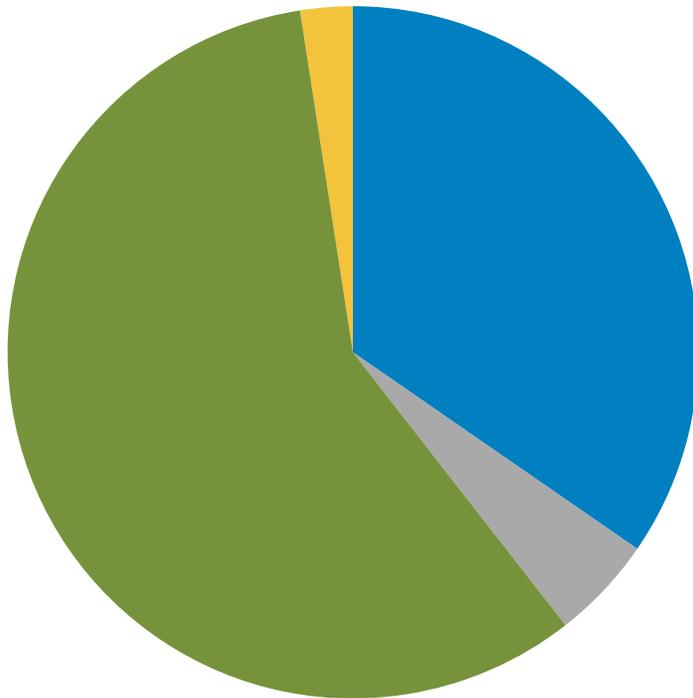
Jun-2024 : \$6,765,798



Allocation			Allocation		
	Market Value	Allocation		Market Value	Allocation
■ Vanguard Target Retirement 2030 (VTHR)	967,489	14.7	■ Vanguard Target Retirement 2030 (VTHR)	986,937	14.6
■ Vanguard Target Retirement 2025 (VTTV)	730,435	11.1	■ Vanguard Target Retirement 2025 (VTTV)	745,286	11.0
■ Vanguard 500 Index Fund (VFIAX)	676,206	10.3	■ Vanguard 500 Index Fund (VFIAX)	729,413	10.8
■ Vanguard Target Retirement 2035 (VTTH)	647,704	9.8	■ Vanguard Target Retirement 2035 (VTTH)	662,364	9.8
■ Vanguard Target Retirement 2020 (VTWN)	513,020	7.8	■ Fidelity Lrg Cap Gro Idx (FSPGX)	564,624	8.3
■ Fidelity Lrg Cap Gro Idx (FSPGX)	510,538	7.7	■ Vanguard Target Retirement 2020 (VTWN)	519,078	7.7
■ MissionSquare PLUS Fund S3	423,205	6.4	■ Vanguard Target Retirement 2040 (VFOR)	432,029	6.4
■ Vanguard Target Retirement 2040 (VFOR)	416,354	6.3	■ Vanguard Target Retirement 2045 (VTIV)	421,807	6.2
■ Vanguard Target Retirement 2045 (VTIV)	398,988	6.1	■ MissionSquare PLUS Fund S3	417,678	6.2
■ Vanguard Target Retirement 2055 (VFFV)	222,002	3.4	■ Vanguard Target Retirement 2055 (VFFV)	237,001	3.5
■ Vanguard Target Retirement 2050 (VFIF)	192,713	2.9	■ Vanguard Target Retirement 2050 (VFIF)	201,235	3.0
■ AMG TimesSquare Mid Cap Growth (TMDPX)	165,898	2.5	■ Vanguard Target Retirement Income (VTIN)	156,541	2.3
■ Vanguard Target Retirement Income (VTIN)	160,509	2.4	■ AMG TimesSquare Mid Cap Growth (TMDPX)	130,543	1.9
■ Victory Sycamore Est Value (VEVY)	113,809	1.7	■ Victory Sycamore Est Value (VEVY)	105,803	1.6
■ BNY Mellon Dynamic Value (DRGY)	106,478	1.6	■ BNY Mellon Dynamic Value (DRGY)	105,026	1.6
■ MissionSquare Small Cap Discovery Fund	66,182	1.0	■ Parnassus Core Equity (PRBL)	64,144	0.9
■ Vanguard Small Cap Index (VSMAX)	65,358	1.0	■ Vanguard Small Cap Index (VSMAX)	63,626	0.9
■ Parnassus Core Equity (PRBL)	64,834	1.0	■ MissionSquare Small Cap Discovery Fund	63,465	0.9
■ Vanguard Target Retirement 2060 (VTTS)	56,245	0.9	■ Vanguard Target Retirement 2060 (VTTS)	57,707	0.9
■ Dodge & Cox Income X (DOX)	36,580	0.6	■ Dodge & Cox Income X (DOX)	36,675	0.5
■ Fidelity Diversified International (FDIV)	26,735	0.4	■ Fidelity Diversified International (FDIV)	32,051	0.5
■ MissionSquare Inflation Focused Fund	14,695	0.2	■ MissionSquare Inflation Focused Fund	14,771	0.2
■ Vanguard Total Int'l Stock Index (VTIAX)	10,465	0.2	■ Vanguard Total Int'l Stock Index (VTIAX)	10,655	0.2
■ Vanguard Target Retirement 2065 (VLXV)	4,432	0.1	■ Vanguard Target Retirement 2065 (VLXV)	5,421	0.1
■ Neuberger Berman High Yield Fixed Income (NHIL)	1,754	0.0	■ Neuberger Berman High Yield Fixed Income (NHIL)	1,918	0.0

March 31, 2024 : \$476,195

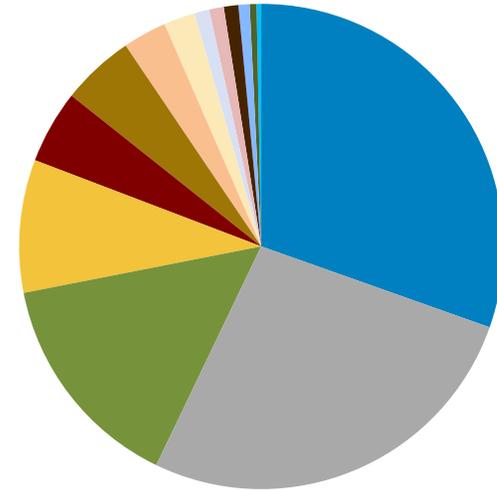
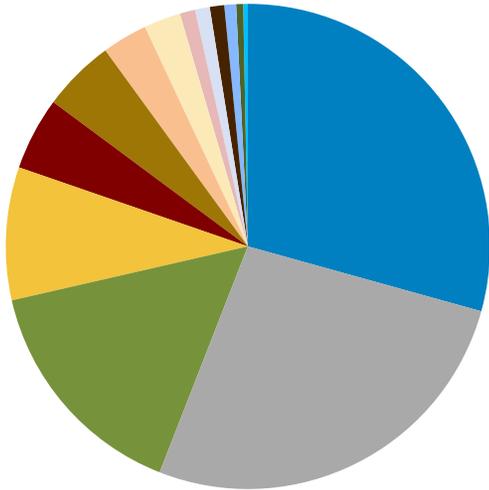
June 30, 2024 : \$477,832



Asset Allocation by Segment			Asset Allocation by Segment		
Segments	Market Value	Allocation	Segments	Market Value	Allocation
Domestic Equity	164,813	34.6	Domestic Equity	169,630	35.5
Domestic Fixed Income	23,040	4.8	Domestic Fixed Income	23,202	4.9
Balanced	276,655	58.1	Balanced	275,010	57.6
Stable Value	11,687	2.5	Stable Value	9,989	2.1

Mar-2024 : \$476,195

Jun-2024 : \$477,832



Allocation			Allocation		
	Market Value	Allocation		Market Value	Allocation
Vanguard 500 Index Fund (VFIAX)	139,554	29.3	Vanguard 500 Index Fund (VFIAX)	145,293	30.4
Vanguard Target Retirement Income (VTINX)	126,800	26.6	Vanguard Target Retirement Income (VTINX)	127,720	26.7
Vanguard Target Retirement 2025 (VTTVX)	73,770	15.5	Vanguard Target Retirement 2025 (VTTVX)	70,680	14.8
Vanguard Target Retirement 2020 (VTWNX)	42,209	8.9	Vanguard Target Retirement 2020 (VTWNX)	42,329	8.9
Vanguard Target Retirement 2030 (VTHR)	23,109	4.9	Vanguard Target Retirement 2030 (VTHR)	23,369	4.9
MissionSquare Inflation Focused Fund	23,040	4.8	MissionSquare Inflation Focused Fund	23,202	4.9
AMG TimesSquare Mid Cap Growth (TMDPX)	14,427	3.0	AMG TimesSquare Mid Cap Growth (TMDPX)	13,940	2.9
MissionSquare PLUS Fund S3	11,687	2.5	MissionSquare PLUS Fund S3	9,989	2.1
Vanguard Small Cap Index (VSMAX)	4,866	1.0	Vanguard Small Cap Index (VSMAX)	4,657	1.0
Vanguard Target Retirement 2035 (VTTHX)	4,711	1.0	Vanguard Target Retirement 2035 (VTTHX)	4,771	1.0
Vanguard Target Retirement 2045 (VTIVX)	4,579	1.0	Vanguard Target Retirement 2045 (VTIVX)	4,653	1.0
Fidelity Lrg Cap Gro Idx (FSPGX)	3,725	0.8	Fidelity Lrg Cap Gro Idx (FSPGX)	3,537	0.7
BNY Mellon Dynamic Value (DRGYX)	2,243	0.5	BNY Mellon Dynamic Value (DRGYX)	2,202	0.5
Vanguard Target Retirement 2040 (VFORX)	1,477	0.3	Vanguard Target Retirement 2040 (VFORX)	1,487	0.3
Dodge & Cox Income X (DOXIX)	-	0.0	Dodge & Cox Income X (DOXIX)	-	0.0
Vanguard Target Retirement 2050 (VFIFX)	-	0.0	Vanguard Target Retirement 2050 (VFIFX)	-	0.0
Vanguard Target Retirement 2055 (VFFVX)	-	0.0	Vanguard Target Retirement 2055 (VFFVX)	-	0.0
Vanguard Target Retirement 2060 (VTTSX)	-	0.0	Vanguard Target Retirement 2060 (VTTSX)	-	0.0
Vanguard Target Retirement 2065 (VLXVX)	-	0.0	Vanguard Target Retirement 2065 (VLXVX)	-	0.0

**Town of Palm Beach DC Plans
Investment Option Performance Review**

As of June 30, 2024

Active Funds	Manager Tenure	*Consecutive Qtr Return & Rank	3 & 5 Year Return > Index	3 & 5 Year Return < 50th %-tile	3 & 5 Year Sharpe < 50th %-tile	Positive 3 & 5 Year Alpha	Heightened Scrutiny				
MSQ Parnassus Core Equity (PRBLX)	22.4	Yes Yes	No (5)	No (3)	62 (2)	56 (1)	60 (2)	37	-1.47 (4)	-0.04 (1)	No
BNY Mellon Dynamic Value (DRGYX)	20.1	Yes Yes	Yes	Yes	3	6	2	4	5.94	4.58	No
MSQ Victory Sycamore Est Value (VEVYX)	25.3	Yes Yes	Yes	Yes	16	12	15	7	2.96	3.38	No
MSQ TimesSquare Mid Cap Growth (TMDPX)	18.6	Yes Yes	Yes	Yes	11	10	11	5	2.81	2.43	No
MissionSquare Small Cap Discovery	12.3	Yes Yes	Yes	No (2)	89 (5)	80 (4)	88 (5)	81 (4)	-0.10 (1)	-0.52 (2)	No
MSQ Invesco Discovery Fund (ODIYX)	17.4	Yes Yes	Yes	Yes	29	11	23	11	3.78	5.01	No
MSQ Diversified International	22.3	Yes Yes	No (5)	Yes	37	18	36	15	-2.01 (5)	1.27	No
MSQ Cohen & Steers Realty R5	14.3	Yes Yes	Yes	Yes	16	9	11	9	1.37	1.73	No
Dodge & Cox Income (DOXIX)	34.8	Yes Yes	Yes	Yes	6	3	3	2	1.63	1.68	No
MissionSquare Inflation Focused	12.3	Yes Yes	No (5)	No (5)	53 (5)	51 (2)	47	49	-0.13 (5)	-0.12 (5)	No
Neuberger Berman High Yield Fixed Income (NHILX)	5.3	Yes Yes	No (5)	No (5)	69 (5)	52 (5)	69 (5)	52 (5)	-0.85 (5)	-0.43 (5)	Yes

Index Funds	Manager Tenure	3 & 5 Year Tracking Error Rank	Heightened Scrutiny
Vanguard 500 Index Fund (VFIAX)	7.5	1 1	No
Fidelity Lrg Cap Gro Idx (FSPGX)	7.3	2 2	No
Vanguard Mid Cap Index (VIMAX)	25.4	2 2	No
Vanguard Small Cap Index (VSMAX)	7.5	1 1	No
Vanguard Total Int'l Stock Index (VTIAX)	15.2	1 1	No

Target Date Funds/Risk Based Allocation Funds	Manager Tenure	3 & 5 Year Return < 50th %-tile	3 & 5 Year Sharpe < 50th %-tile	Heightened Scrutiny	
Vanguard Target Retirement Income (VTINX)	10.7	31 32	38 28	No	
Vanguard Target Retirement 2020 (VTW NX)	10.7	43 43	46 35	No	
Vanguard Target Retirement 2025 (VTTVX)	10.7	25 24	21 22	No	
Vanguard Target Retirement 2030 (VTHR X)	10.7	28 27	26 23	No	
Vanguard Target Retirement 2035 (VTTH X)	10.7	37 45	39 38	No	
Vanguard Target Retirement 2040 (VFOR X)	10.7	51 (5)	48 54 (5)	41	No
Vanguard Target Retirement 2045 (VTIV X)	10.7	46 39	46 32	No	
Vanguard Target Retirement 2050 (VFIF X)	10.7	36 36	36 26	No	
Vanguard Target Retirement 2055 (VFFV X)	10.7	38 39	38 32	No	
Vanguard Target Retirement 2060 (VTTS X)	10.7	38 40	38 30	No	
Vanguard Target Retirement 2065 (VLXV X)	6.3	41 50 (3)	41 40	No	

Fund meets criteria
Fund does not currently meet criteria
Fund has not met criteria for more than 4 quarters
"More than 4 quarters" evaluation criteria excludes Index Funds

DODIX historical data used in place of DOXIX

Comparative Performance
Town of Palm Beach DC Plans
As of June 30, 2024

Comparative Performance														
	QTR		YTD		1 YR		2 YR		3 YR		4 YR		5 YR	
US Stock Funds														
MSQ Parnassus Core Equity (PRBLX)	1.86	(82)	12.04	(74)	21.10	(75)	19.47	(72)	8.09	(62)	15.79	(52)	13.87	(56)
S&P 500 Index	4.28	(29)	15.29	(39)	24.56	(45)	22.05	(38)	10.01	(27)	17.01	(26)	15.05	(24)
Difference	-2.42		-3.25		-3.46		-2.58		-1.92		-1.22		-1.18	
IM U.S. Large Cap Core Equity (MF) Median	3.54		14.68		23.89		21.21		8.62		15.83		14.08	
BNY Mellon Dynamic Value (DRGYX)	-1.39	(30)	8.03	(30)	17.00	(27)	16.92	(17)	11.46	(3)	21.13	(5)	14.07	(6)
Russell 1000 Value Index	-2.17	(46)	6.62	(46)	13.06	(57)	12.30	(55)	5.52	(59)	13.99	(70)	9.01	(64)
Difference	0.78		1.41		3.94		4.62		5.94		7.14		5.06	
IM U.S. Value Equity (MF) Median	-2.34		6.14		13.73		12.68		6.01		15.50		9.68	
Fidelity Lrg Cap Gro Idx (FSPGX)	8.34	(19)	20.68	(43)	33.53	(42)	30.26	(33)	11.28	(7)	18.36	(7)	19.32	(8)
Russell 1000 Growth Index	8.33	(20)	20.70	(43)	33.48	(42)	30.26	(33)	11.28	(7)	18.38	(7)	19.34	(8)
Difference	0.01		-0.02		0.05		0.00		0.00		-0.02		-0.02	
IM U.S. Large Cap Growth Equity (MF) Median	6.74		20.13		32.48		28.88		7.85		14.99		16.11	
MSQ Victory Sycamore Est Value (VEVYX)	-4.18	(61)	4.65	(37)	10.97	(58)	12.25	(43)	6.46	(16)	17.12	(28)	11.61	(12)
Russell Midcap Value Index	-3.40	(44)	4.54	(39)	11.98	(43)	11.24	(53)	3.65	(74)	14.26	(73)	8.49	(58)
Difference	-0.78		0.11		-1.01		1.01		2.81		2.86		3.12	
IM U.S. Mid Cap Value Equity (MF) Median	-3.81		3.93		11.36		11.60		5.40		15.81		9.13	
MSQ TimesSquare Mid Cap Growth (TMDPX)	-3.19	(28)	6.31	(33)	15.56	(16)	17.40	(16)	2.99	(11)	11.34	(17)	11.51	(10)
Russell Midcap Growth Index	-3.21	(29)	5.98	(33)	15.05	(18)	19.02	(8)	-0.08	(30)	9.44	(28)	9.93	(17)
Difference	0.02		0.33		0.51		-1.62		3.07		1.90		1.58	
IM U.S. Mid Cap Growth Equity (MF) Median	-4.27		3.98		10.78		14.33		-1.82		7.91		8.69	
MissionSquare Small Cap Discovery	-4.68	(81)	-0.93	(87)	6.97	(83)	9.16	(72)	-2.57	(89)	10.10	(89)	6.31	(80)
Russell 2000 Index	-3.28	(49)	1.73	(49)	10.06	(50)	11.18	(50)	-2.58	(89)	10.63	(85)	6.94	(70)
Difference	-1.40		-2.66		-3.09		-2.02		0.01		-0.53		-0.63	
IM U.S. Small Cap Core Equity (MF) Median	-3.30		1.69		10.03		11.14		1.23		13.71		7.91	
MSQ Invesco Discovery Fund (ODIYX)	-0.04	(17)	12.82	(11)	16.57	(14)	18.02	(8)	-1.20	(29)	8.99	(39)	10.74	(11)
Russell 2000 Growth Index	-2.92	(59)	4.44	(56)	9.14	(54)	13.74	(31)	-4.86	(64)	6.85	(61)	6.17	(67)
Difference	2.88		8.38		7.43		4.28		3.66		2.14		4.57	
IM U.S. Small Cap Growth Equity (MF) Median	-2.51		5.11		9.47		12.01		-3.39		7.88		6.86	
Vanguard 500 Index Fund (VFIAX)	4.27	(29)	15.27	(39)	24.51	(46)	22.00	(38)	9.97	(28)	16.97	(26)	15.00	(24)
S&P 500 Index	4.28	(29)	15.29	(39)	24.56	(45)	22.05	(38)	10.01	(27)	17.01	(26)	15.05	(24)
Difference	-0.01		-0.02		-0.05		-0.05		-0.04		-0.04		-0.05	
IM U.S. Large Cap Core Equity (MF) Median	3.54		14.68		23.89		21.21		8.62		15.83		14.08	

Returns for periods greater than one year are annualized.
Returns are expressed as percentages.DODIX historical returns used for DOXIX.

**Comparative Performance
Town of Palm Beach DC Plans**

As of June 30, 2024

	QTR		YTD		1 YR		2 YR		3 YR		4 YR		5 YR	
Vanguard Mid Cap Index (VIMAX)	-2.75	(22)	4.90	(49)	11.80	(51)	12.75	(41)	2.21	(82)	11.91	(81)	9.38	(45)
Vanguard Mid Cap Hybrid	-2.74	(22)	4.90	(49)	11.82	(51)	12.76	(41)	2.23	(82)	11.93	(80)	9.39	(44)
Difference	-0.01		0.00		-0.02		-0.01		-0.02		-0.02		-0.01	
IM U.S. Mid Cap Core Equity (MF) Median	-3.95		4.82		11.93		12.37		4.27		13.38		9.20	
Vanguard Small Cap Index (VSMAX)	-4.14	(74)	3.07	(29)	11.50	(33)	13.18	(24)	0.50	(59)	12.27	(71)	8.45	(40)
Vanguard Small Cap Hybrid	-4.15	(74)	3.05	(29)	11.45	(34)	13.10	(25)	0.46	(59)	12.23	(71)	8.40	(41)
Difference	0.01		0.02		0.05		0.08		0.04		0.04		0.05	
IM U.S. Small Cap Core Equity (MF) Median	-3.30		1.69		10.03		11.14		1.23		13.71		7.91	
International/Global Funds														
MSQ Diversified International	0.21	(56)	8.35	(23)	11.79	(37)	15.36	(18)	0.75	(37)	7.29	(50)	7.42	(18)
MSCI EAFE (Net) Index	-0.42	(71)	5.34	(52)	11.54	(39)	15.10	(19)	2.89	(20)	9.58	(28)	6.46	(31)
Difference	0.63		3.01		0.25		0.26		-2.14		-2.29		0.96	
IM International Equity (MF) Median	0.60		5.45		10.47		11.78		-0.69		7.23		5.40	
Vanguard Total Int'l Stock Index (VTIAX)	0.80	(48)	5.13	(55)	10.96	(46)	11.64	(52)	0.34	(42)	8.37	(39)	5.75	(44)
FTSE Global ex USA All Cap Index (Net)	0.86	(47)	5.24	(53)	11.68	(38)	12.09	(47)	0.48	(40)	8.61	(37)	5.87	(42)
Difference	-0.06		-0.11		-0.72		-0.45		-0.14		-0.24		-0.12	
IM International Equity (MF) Median	0.60		5.45		10.47		11.78		-0.69		7.23		5.40	
Real Estate														
MSQ Cohen & Steers Realty R5	0.56	(20)	0.11	(19)	6.82	(28)	2.02	(35)	-0.26	(16)	7.73	(23)	5.14	(9)
FTSE NAREIT All Equity REITs	-0.90	(59)	-2.19	(65)	5.78	(51)	0.57	(61)	-1.63	(53)	6.03	(63)	3.40	(45)
Difference	1.46		2.30		1.04		1.45		1.37		1.70		1.74	
IM Real Estate Sector (MF) Median	-0.53		-1.64		5.78		1.05		-1.54		6.63		3.26	
Bond Funds														
Dodge & Cox Income X (DOXIX)	0.51	(13)	0.18	(24)	4.54	(16)	3.17	(5)	-1.41	(5)	-0.23	(4)	1.43	(2)
Blmbg. U.S. Aggregate Index	0.07	(80)	-0.71	(82)	2.63	(73)	0.83	(69)	-3.02	(42)	-2.36	(71)	-0.23	(63)
Difference	0.44		0.89		1.91		2.34		1.61		2.13		1.66	
IM U.S. Broad Market Core Fixed Income (MF) Median	0.21		-0.34		3.13		1.15		-3.10		-2.04		-0.08	
MissionSquare Inflation Focused	0.82	(57)	0.90	(48)	2.74	(54)	0.71	(53)	-1.48	(53)	0.56	(52)	1.99	(51)
Bloomberg U.S. TIPS Index	0.79	(62)	0.70	(63)	2.71	(55)	0.63	(55)	-1.33	(47)	0.58	(52)	2.07	(44)
Difference	0.03		0.20		0.03		0.08		-0.15		-0.02		-0.08	
IM U.S. TIPS (MF) Median	0.88		0.87		3.00		0.84		-1.39		0.62		2.00	

Returns for periods greater than one year are annualized.
Returns are expressed as percentages. DODIX historical returns used for DOXIX.

Comparative Performance
Town of Palm Beach DC Plans
As of June 30, 2024

	QTR		YTD		1 YR		2 YR		3 YR		4 YR		5 YR	
Neuberger Berman High Yield Fixed Income (NHILX)	1.45	(18)	3.08	(33)	10.53	(27)	8.92	(55)	0.77	(69)	4.34	(58)	3.29	(52)
ICE BofA U.S. High Yield Index	1.09	(58)	2.62	(54)	10.45	(29)	9.66	(27)	1.65	(36)	4.97	(36)	3.73	(35)
Difference	0.36		0.46		0.08		-0.74		-0.88		-0.63		-0.44	
IM U.S. High Yield Bonds (MF) Median	1.15		2.67		9.81		9.02		1.28		4.50		3.34	
Lifetime Income Fund														
MSQ Retirement Income Advantage	1.32	(26)	6.59	(26)	12.09	(30)	10.60	(30)	2.22	(37)	6.88	(46)	6.41	(35)
60% S&P 500 / 40% Barclays Aggregate	2.60	(8)	8.70	(10)	15.42	(10)	13.31	(8)	4.84	(5)	9.12	(11)	9.01	(5)
Difference	-1.28		-2.11		-3.33		-2.71		-2.62		-2.24		-2.60	
IM Mixed-Asset Target Alloc Moderate (MF) Median	0.65		4.86		10.44		9.15		1.54		6.73		5.76	
Stable Value/Cash Management Funds														
MissionSquare Plus Fund	0.73	(99)	1.48	(100)	2.97	(100)	2.66	(100)	2.39	(97)	2.30	(16)	2.32	(1)
90 Day U.S. Treasury Bill	1.32	(7)	2.63	(18)	5.40	(13)	4.49	(29)	3.03	(27)	2.29	(20)	2.16	(10)
Difference	-0.59		-1.15		-2.43		-1.83		-0.64		0.01		0.16	
IM U.S. Taxable Money Market (MF) Median	1.27		2.55		5.20		4.37		2.93		2.19		1.98	
MissionSquare PLUS Fund S3	0.62	(100)	1.24	(100)	2.49	(100)	2.19	(100)	1.92	(99)	1.83	(94)	1.85	(75)
90 Day U.S. Treasury Bill	1.32	(7)	2.63	(18)	5.40	(13)	4.49	(29)	3.03	(27)	2.29	(20)	2.16	(10)
Difference	-0.70		-1.39		-2.91		-2.30		-1.11		-0.46		-0.31	
IM U.S. Taxable Money Market (MF) Median	1.27		2.55		5.20		4.37		2.93		2.19		1.98	
VT Cash Management	1.24	(65)	2.50	(64)	5.08	(64)	4.25	(65)	2.84	(64)	2.13	(63)	1.92	(63)
90 Day U.S. Treasury Bill	1.32	(7)	2.63	(18)	5.40	(13)	4.49	(29)	3.03	(27)	2.29	(20)	2.16	(10)
Difference	-0.08		-0.13		-0.32		-0.24		-0.19		-0.16		-0.24	
IM U.S. Taxable Money Market (MF) Median	1.27		2.55		5.20		4.37		2.93		2.19		1.98	
Target Date Funds														
Vanguard Target Retirement Income (VTINX)	0.89	(30)	3.00	(51)	7.96	(41)	6.22	(48)	0.46	(31)	3.23	(53)	3.72	(32)
Vanguard Target Income Composite Index	0.91	(30)	3.09	(48)	8.14	(39)	6.45	(41)	0.68	(23)	3.44	(48)	4.00	(25)
Difference	-0.02		-0.09		-0.18		-0.23		-0.22		-0.21		-0.28	
IM Mixed-Asset Target Alloc Consv (MF) Median	0.57		3.03		7.67		6.11		-0.06		3.32		3.10	
Vanguard Target Retirement 2020 (VTWNX)	1.05	(39)	3.91	(74)	9.24	(54)	7.90	(53)	0.94	(43)	5.17	(56)	5.15	(43)
Vanguard Target 2020 Composite Index	1.06	(36)	3.95	(68)	9.47	(42)	8.18	(36)	1.21	(29)	5.43	(39)	5.50	(21)
Difference	-0.01		-0.04		-0.23		-0.28		-0.27		-0.26		-0.35	
IM Mixed-Asset Target 2020 (MF) Median	1.00		4.27		9.30		7.94		0.81		5.23		5.05	

Returns for periods greater than one year are annualized.
Returns are expressed as percentages. DODIX historical returns used for DOXIX.

**Comparative Performance
Town of Palm Beach DC Plans**

As of June 30, 2024

	QTR		YTD		1 YR		2 YR		3 YR		4 YR		5 YR	
Vanguard Target Retirement 2025 (VTTVX)	1.26	(20)	5.11	(31)	11.02	(18)	9.78	(14)	1.51	(25)	6.44	(26)	6.12	(24)
Vanguard Target 2025 Composite Index	1.28	(15)	5.17	(29)	11.31	(11)	10.14	(6)	1.86	(13)	6.79	(8)	6.54	(5)
Difference	-0.02		-0.06		-0.29		-0.36		-0.35		-0.35		-0.42	
IM Mixed-Asset Target 2025 (MF) Median	1.05		4.76		10.17		8.60		0.97		5.97		5.51	
Vanguard Target Retirement 2030 (VTHRX)	1.37	(23)	6.00	(40)	12.39	(25)	11.16	(18)	2.07	(28)	7.59	(30)	6.95	(27)
Vanguard Target 2030 Composite Index	1.42	(19)	6.01	(39)	12.62	(17)	11.54	(9)	2.42	(17)	7.94	(12)	7.37	(7)
Difference	-0.05		-0.01		-0.23		-0.38		-0.35		-0.35		-0.42	
IM Mixed-Asset Target 2030 (MF) Median	1.15		5.80		11.57		10.30		1.54		7.28		6.45	
Vanguard Target Retirement 2035 (VTTHX)	1.55	(31)	6.87	(59)	13.52	(46)	12.39	(47)	2.65	(37)	8.75	(58)	7.76	(45)
Vanguard Target 2035 Composite Index	1.60	(27)	6.82	(61)	13.78	(39)	12.77	(36)	2.99	(22)	9.10	(37)	8.19	(20)
Difference	-0.05		0.05		-0.26		-0.38		-0.34		-0.35		-0.43	
IM Mixed-Asset Target 2035 (MF) Median	1.36		7.04		13.42		12.33		2.37		8.90		7.66	
Vanguard Target Retirement 2040 (VFORX)	1.73	(38)	7.68	(65)	14.74	(65)	13.64	(61)	3.23	(51)	9.91	(69)	8.59	(48)
Vanguard Target 2040 Composite Index	1.77	(32)	7.63	(66)	14.94	(61)	14.00	(55)	3.55	(33)	10.26	(47)	8.99	(29)
Difference	-0.04		0.05		-0.20		-0.36		-0.32		-0.35		-0.40	
IM Mixed-Asset Target 2040 (MF) Median	1.61		8.43		15.37		14.27		3.24		10.23		8.54	
Vanguard Target Retirement 2045 (VTIVX)	1.90	(36)	8.48	(68)	15.81	(66)	14.87	(58)	3.78	(46)	11.06	(53)	9.40	(39)
Vanguard Target 2045 Composite Index	1.95	(32)	8.45	(69)	16.11	(58)	15.23	(49)	4.10	(28)	11.42	(33)	9.79	(20)
Difference	-0.05		0.03		-0.30		-0.36		-0.32		-0.36		-0.39	
IM Mixed-Asset Target 2045 (MF) Median	1.68		9.21		16.36		15.14		3.68		11.12		9.22	
Vanguard Target Retirement 2050 (VFIFX)	2.02	(31)	9.05	(65)	16.63	(58)	15.60	(52)	4.15	(36)	11.42	(49)	9.68	(36)
Vanguard Target 2050 Composite Index	2.09	(26)	9.07	(63)	16.97	(49)	16.00	(41)	4.47	(19)	11.80	(26)	10.09	(14)
Difference	-0.07		-0.02		-0.34		-0.40		-0.32		-0.38		-0.41	
IM Mixed-Asset Target 2050 (MF) Median	1.71		9.42		16.86		15.69		3.78		11.37		9.42	
Vanguard Target Retirement 2055 (VFFVX)	2.02	(33)	9.03	(69)	16.61	(61)	15.60	(58)	4.15	(38)	11.42	(53)	9.67	(39)
Vanguard Target 2055 Composite Index	2.09	(27)	9.07	(67)	16.97	(54)	16.00	(47)	4.47	(23)	11.80	(33)	10.09	(19)
Difference	-0.07		-0.04		-0.36		-0.40		-0.32		-0.38		-0.42	
IM Mixed-Asset Target 2055 (MF) Median	1.73		9.61		17.10		15.84		3.83		11.46		9.50	
Vanguard Target Retirement 2060 (VTTSX)	2.03	(34)	9.04	(68)	16.60	(62)	15.61	(59)	4.16	(38)	11.42	(57)	9.68	(40)
Vanguard Target 2060 Composite Index	2.09	(29)	9.07	(67)	16.97	(54)	16.00	(48)	4.47	(25)	11.80	(37)	10.09	(21)
Difference	-0.06		-0.03		-0.37		-0.39		-0.31		-0.38		-0.41	
IM Mixed-Asset Target 2060 (MF) Median	1.75		9.63		17.13		15.90		3.85		11.49		9.50	
Vanguard Target Retirement 2065 (VLXVX)	2.03	(32)	9.05	(71)	16.63	(60)	15.62	(63)	4.19	(41)	11.43	(54)	9.66	(50)
Vanguard Target 2065 Composite Index (Net)	2.09	(28)	9.07	(69)	16.97	(54)	16.00	(51)	4.47	(32)	11.80	(37)	10.09	(24)
Difference	-0.06		-0.02		-0.34		-0.38		-0.28		-0.37		-0.43	
IM Mixed-Asset Target 2065+ (MF) Median	1.76		9.63		17.12		16.03		3.84		11.52		9.66	

Returns for periods greater than one year are annualized.
Returns are expressed as percentages. DODIX historical returns used for DOXIX.

Comparative Performance
Total RHS Plans
As of June 30, 2024

Comparative Performance														
	QTR		YTD		1 YR		2 YR		3 YR		4 YR		5 YR	
US Stock Funds														
Parnassus Core Equity (PRBLX)	1.86	(82)	12.03	(74)	21.10	(75)	19.48	(72)	8.10	(62)	15.80	(52)	13.87	(56)
S&P 500 Index	4.28	(29)	15.29	(39)	24.56	(45)	22.05	(38)	10.01	(27)	17.01	(26)	15.05	(24)
Difference	-2.42		-3.26		-3.46		-2.57		-1.91		-1.21		-1.18	
IM U.S. Large Cap Core Equity (MF) Median	3.54		14.68		23.89		21.21		8.62		15.83		14.08	
BNY Mellon Dynamic Value (DRGYX)	-1.39	(30)	8.03	(30)	17.00	(27)	16.92	(17)	11.46	(3)	21.13	(5)	14.07	(6)
Russell 1000 Value Index	-2.17	(46)	6.62	(46)	13.06	(57)	12.30	(55)	5.52	(59)	13.99	(70)	9.01	(64)
Difference	0.78		1.41		3.94		4.62		5.94		7.14		5.06	
IM U.S. Value Equity (MF) Median	-2.34		6.14		13.73		12.68		6.01		15.50		9.68	
Fidelity Lrg Cap Gro Idx (FSPGX)	8.34	(19)	20.68	(43)	33.53	(42)	30.26	(33)	11.28	(7)	18.36	(7)	19.32	(8)
Russell 1000 Growth Index	8.33	(20)	20.70	(43)	33.48	(42)	30.26	(33)	11.28	(7)	18.38	(7)	19.34	(8)
Difference	0.01		-0.02		0.05		0.00		0.00		-0.02		-0.02	
IM U.S. Large Cap Growth Equity (MF) Median	6.74		20.13		32.48		28.88		7.85		14.99		16.11	
Victory Sycamore Est Value (VEVYX)	-4.17	(61)	4.65	(37)	10.97	(58)	12.25	(43)	6.46	(17)	17.13	(28)	11.60	(12)
Russell Midcap Index	-3.35	(43)	4.96	(30)	12.88	(30)	13.90	(22)	2.37	(91)	12.59	(86)	9.46	(45)
Difference	-0.82		-0.31		-1.91		-1.65		4.09		4.54		2.14	
IM U.S. Mid Cap Value Equity (MF) Median	-3.81		3.93		11.36		11.60		5.40		15.81		9.13	
AMG TimesSquare Mid Cap Growth (TMDPX)	-3.19	(28)	6.29	(33)	15.54	(16)	17.40	(16)	2.99	(11)	11.34	(17)	11.52	(10)
Russell Midcap Growth Index	-3.21	(29)	5.98	(33)	15.05	(18)	19.02	(8)	-0.08	(30)	9.44	(28)	9.93	(17)
Difference	0.02		0.31		0.49		-1.62		3.07		1.90		1.59	
IM U.S. Mid Cap Growth Equity (MF) Median	-4.27		3.98		10.78		14.33		-1.82		7.91		8.69	
MissionSquare Small Cap Discovery Fund	-4.74	(82)	-1.11	(88)	6.56	(85)	8.73	(79)	-2.96	(92)	9.68	(93)	5.90	(85)
Russell 2000 Index	-3.28	(49)	1.73	(49)	10.06	(50)	11.18	(50)	-2.58	(89)	10.63	(85)	6.94	(70)
Difference	-1.46		-2.84		-3.50		-2.45		-0.38		-0.95		-1.04	
IM U.S. Small Cap Core Equity (MF) Median	-3.30		1.69		10.03		11.14		1.23		13.71		7.91	
Vanguard 500 Index Fund (VFIAX)	4.27	(29)	15.27	(39)	24.51	(46)	22.00	(38)	9.97	(28)	16.97	(26)	15.00	(24)
S&P 500 Index	4.28	(29)	15.29	(39)	24.56	(45)	22.05	(38)	10.01	(27)	17.01	(26)	15.05	(24)
Difference	-0.01		-0.02		-0.05		-0.05		-0.04		-0.04		-0.05	
IM U.S. Large Cap Core Equity (MF) Median	3.54		14.68		23.89		21.21		8.62		15.83		14.08	
Vanguard Small Cap Index (VSMAX)	-4.14	(74)	3.07	(29)	11.50	(33)	13.18	(24)	0.50	(59)	12.27	(71)	8.45	(40)
Vanguard Small Cap Hybrid	-4.15	(74)	3.05	(29)	11.45	(34)	13.10	(25)	0.46	(59)	12.23	(71)	8.40	(41)
Difference	0.01		0.02		0.05		0.08		0.04		0.04		0.05	
IM U.S. Small Cap Core Equity (MF) Median	-3.30		1.69		10.03		11.14		1.23		13.71		7.91	

Returns for periods greater than one year are annualized.
Returns are expressed as percentages. DODIX historical returns used for DOXIX.

Comparative Performance
Total RHS Plans
As of June 30, 2024

	QTR		YTD		1 YR		2 YR		3 YR		4 YR		5 YR	
International/Global Funds														
Fidelity Diversified International (FDIVX)	0.23	(56)	8.45	(22)	12.04	(35)	15.66	(16)	0.92	(36)	7.41	(48)	7.52	(17)
MSCI EAFE (Net) Index	-0.42	(71)	5.34	(52)	11.54	(39)	15.10	(19)	2.89	(20)	9.58	(28)	6.46	(31)
Difference	0.65		3.11		0.50		0.56		-1.97		-2.17		1.06	
IM International Equity (MF) Median	0.60		5.45		10.47		11.78		-0.69		7.23		5.40	
Vanguard Total Int'l Stock Index (VTIAX)	0.80	(48)	5.13	(55)	10.96	(46)	11.64	(52)	0.34	(42)	8.37	(39)	5.75	(44)
FTSE Global ex USA All Cap Index (Net)	0.86	(47)	5.24	(53)	11.68	(38)	12.09	(47)	0.48	(40)	8.61	(37)	5.87	(42)
Difference	-0.06		-0.11		-0.72		-0.45		-0.14		-0.24		-0.12	
IM International Equity (MF) Median	0.60		5.45		10.47		11.78		-0.69		7.23		5.40	
Bond Funds														
Dodge & Cox Income X (DOXIX)	0.51	(13)	0.18	(24)	4.54	(16)	3.17	(5)	-1.41	(5)	-0.23	(4)	1.43	(2)
Blmbg. U.S. Aggregate Index	0.07	(80)	-0.71	(82)	2.63	(73)	0.83	(69)	-3.02	(42)	-2.36	(71)	-0.23	(63)
Difference	0.44		0.89		1.91		2.34		1.61		2.13		1.66	
IM U.S. Broad Market Core Fixed Income (MF) Median	0.21		-0.34		3.13		1.15		-3.10		-2.04		-0.08	
MissionSquare Inflation Focused Fund	0.71	(76)	0.68	(64)	2.35	(70)	0.29	(65)	-1.90	(68)	0.15	(68)	1.58	(72)
Bloomberg U.S. TIPS Index	0.79	(62)	0.70	(63)	2.71	(55)	0.63	(55)	-1.33	(47)	0.58	(52)	2.07	(44)
Difference	-0.08		-0.02		-0.36		-0.34		-0.57		-0.43		-0.49	
IM U.S. TIPS (MF) Median	0.88		0.87		3.00		0.84		-1.39		0.62		2.00	
Neuberger Berman High Yield Fixed Income (NHILX)	1.45	(18)	3.08	(33)	10.53	(27)	8.92	(55)	0.77	(69)	4.34	(58)	3.29	(52)
ICE BofA U.S. High Yield Index	1.09	(58)	2.62	(54)	10.45	(29)	9.66	(27)	1.65	(36)	4.97	(36)	3.73	(35)
Difference	0.36		0.46		0.08		-0.74		-0.88		-0.63		-0.44	
IM U.S. High Yield Bonds (MF) Median	1.15		2.67		9.81		9.02		1.28		4.50		3.34	
Stable Value/Cash Management Funds														
MissionSquare PLUS Fund S3	0.62	(100)	1.24	(100)	2.49	(100)	2.19	(100)	1.92	(99)	1.83	(94)	1.85	(75)
90 Day U.S. Treasury Bill	1.32	(7)	2.63	(18)	5.40	(13)	4.49	(29)	3.03	(27)	2.29	(20)	2.16	(10)
Difference	-0.70		-1.39		-2.91		-2.30		-1.11		-0.46		-0.31	
IM U.S. Taxable Money Market (MF) Median	1.27		2.55		5.20		4.37		2.93		2.19		1.98	
Target Date Funds														
Vanguard Target Retirement Income (VTINX)	0.89	(30)	3.00	(51)	7.96	(41)	6.22	(48)	0.46	(31)	3.23	(53)	3.72	(32)
Vanguard Target Income Composite Index	0.91	(30)	3.09	(48)	8.14	(39)	6.45	(41)	0.68	(23)	3.44	(48)	4.00	(25)
Difference	-0.02		-0.09		-0.18		-0.23		-0.22		-0.21		-0.28	
IM Mixed-Asset Target Alloc Consv (MF) Median	0.57		3.03		7.67		6.11		-0.06		3.32		3.10	

Returns for periods greater than one year are annualized.
Returns are expressed as percentages. DODIX historical returns used for DOXIX.

Comparative Performance

Total RHS Plans

As of June 30, 2024

	QTR		YTD		1 YR		2 YR		3 YR		4 YR		5 YR	
Vanguard Target Retirement 2020 (VTWVX)	1.05	(39)	3.91	(74)	9.24	(54)	7.90	(53)	0.94	(43)	5.17	(56)	5.15	(43)
Vanguard Target 2020 Composite Index	1.06	(36)	3.95	(68)	9.47	(42)	8.18	(36)	1.21	(29)	5.43	(39)	5.50	(21)
Difference	-0.01		-0.04		-0.23		-0.28		-0.27		-0.26		-0.35	
IM Mixed-Asset Target 2020 (MF) Median	1.00		4.27		9.30		7.94		0.81		5.23		5.05	
Vanguard Target Retirement 2025 (VTTVX)	1.26	(20)	5.11	(31)	11.02	(18)	9.78	(14)	1.51	(25)	6.44	(26)	6.12	(24)
Vanguard Target 2025 Composite Index	1.28	(15)	5.17	(29)	11.31	(11)	10.14	(6)	1.86	(13)	6.79	(8)	6.54	(5)
Difference	-0.02		-0.06		-0.29		-0.36		-0.35		-0.35		-0.42	
IM Mixed-Asset Target 2025 (MF) Median	1.05		4.76		10.17		8.60		0.97		5.97		5.51	
Vanguard Target Retirement 2030 (VTHR30)	1.37	(23)	6.00	(40)	12.39	(25)	11.16	(18)	2.07	(28)	7.59	(30)	6.95	(27)
Vanguard Target 2030 Composite Index	1.42	(19)	6.01	(39)	12.62	(17)	11.54	(9)	2.42	(17)	7.94	(12)	7.37	(7)
Difference	-0.05		-0.01		-0.23		-0.38		-0.35		-0.35		-0.42	
IM Mixed-Asset Target 2030 (MF) Median	1.15		5.80		11.57		10.30		1.54		7.28		6.45	
Vanguard Target Retirement 2035 (VTTH35)	1.55	(31)	6.87	(59)	13.52	(46)	12.39	(47)	2.65	(37)	8.75	(58)	7.76	(45)
Vanguard Target 2035 Composite Index	1.60	(27)	6.82	(61)	13.78	(39)	12.77	(36)	2.99	(22)	9.10	(37)	8.19	(20)
Difference	-0.05		0.05		-0.26		-0.38		-0.34		-0.35		-0.43	
IM Mixed-Asset Target 2035 (MF) Median	1.36		7.04		13.42		12.33		2.37		8.90		7.66	
Vanguard Target Retirement 2040 (VFOR40)	1.73	(38)	7.68	(65)	14.74	(65)	13.64	(61)	3.23	(51)	9.91	(69)	8.59	(48)
Vanguard Target 2040 Composite Index	1.77	(32)	7.63	(66)	14.94	(61)	14.00	(55)	3.55	(33)	10.26	(47)	8.99	(29)
Difference	-0.04		0.05		-0.20		-0.36		-0.32		-0.35		-0.40	
IM Mixed-Asset Target 2040 (MF) Median	1.61		8.43		15.37		14.27		3.24		10.23		8.54	
Vanguard Target Retirement 2045 (VTIV45)	1.90	(36)	8.48	(68)	15.81	(66)	14.87	(58)	3.78	(46)	11.06	(53)	9.40	(39)
Vanguard Target 2045 Composite Index	1.95	(32)	8.45	(69)	16.11	(58)	15.23	(49)	4.10	(28)	11.42	(33)	9.79	(20)
Difference	-0.05		0.03		-0.30		-0.36		-0.32		-0.36		-0.39	
IM Mixed-Asset Target 2045 (MF) Median	1.68		9.21		16.36		15.14		3.68		11.12		9.22	
Vanguard Target Retirement 2050 (VFIF50)	2.02	(31)	9.05	(65)	16.63	(58)	15.60	(52)	4.15	(36)	11.42	(49)	9.68	(36)
Vanguard Target 2050 Composite Index	2.09	(26)	9.07	(63)	16.97	(49)	16.00	(41)	4.47	(19)	11.80	(26)	10.09	(14)
Difference	-0.07		-0.02		-0.34		-0.40		-0.32		-0.38		-0.41	
IM Mixed-Asset Target 2050 (MF) Median	1.71		9.42		16.86		15.69		3.78		11.37		9.42	
Vanguard Target Retirement 2055 (VFFV55)	2.02	(33)	9.03	(69)	16.61	(61)	15.60	(58)	4.15	(38)	11.42	(53)	9.67	(39)
Vanguard Target 2055 Composite Index	2.09	(27)	9.07	(67)	16.97	(54)	16.00	(47)	4.47	(23)	11.80	(33)	10.09	(19)
Difference	-0.07		-0.04		-0.36		-0.40		-0.32		-0.38		-0.42	
IM Mixed-Asset Target 2055 (MF) Median	1.73		9.61		17.10		15.84		3.83		11.46		9.50	
Vanguard Target Retirement 2060 (VTTS60)	2.03	(32)	9.04	(68)	16.60	(61)	15.61	(57)	4.16	(38)	11.42	(53)	9.68	(39)
Vanguard Target 2060 Composite Index	2.09	(27)	9.07	(67)	16.97	(54)	16.00	(47)	4.47	(23)	11.80	(33)	10.09	(19)
Difference	-0.06		-0.03		-0.37		-0.39		-0.31		-0.38		-0.41	
IM Mixed-Asset Target 2055 (MF) Median	1.73		9.61		17.10		15.84		3.83		11.46		9.50	

Returns for periods greater than one year are annualized.
Returns are expressed as percentages. DODIX historical returns used for DOXIX.

	Market Value (\$)	Estimated Annual Fee (%)	Estimated Annual Fee (\$)	Revenue Share (%)	Revenue Share (\$)
MSQ Parnassus Core Equity (PRBLX)	199,615	0.82	1,637	0.25	499
BNY Mellon Dynamic Value (DRGYX)	1,227,470	0.63	7,733	0.00	-
Fidelity Lrg Cap Gro Idx (FSPGX)	7,438,688	0.04	2,604	0.00	-
MSQ Victory Sycamore Est Value (VEVYX)	333,084	0.61	2,032	0.25	833
MSQ TimesSquare Mid Cap Growth (TMDPX)	766,993	1.18	9,051	0.25	1,917
MissionSquare Small Cap Discovery	230,151	0.62	1,427	0.00	-
MSQ Invesco Discovery Fund (ODIYX)	900,386	0.78	7,023	0.25	2,251
MSQ Diversified International	1,072,799	0.85	9,119	0.25	2,682
MSQ Cohen & Steers Realty R5	335,152	0.88	2,949	0.25	838
Dodge & Cox Income X (DOXIX)	1,875,336	0.33	6,189	0.00	-
MissionSquare Inflation Focused	837,165	0.36	3,014	0.00	-
Neuberger Berman High Yield Fixed Income (NHILX)	231,277	0.71	1,642	0.10	231
Vanguard 500 Index Fund (VFIAX)	7,763,533	0.04	3,105	0.00	-
Vanguard Mid Cap Index (VIMAX)	951,144	0.05	476	0.00	-
Vanguard Small Cap Index (VSMAX)	796,531	0.05	398	0.00	-
Vanguard Total Int'l Stock Index (VTIAX)	1,503,626	0.11	1,654	0.00	-
Vanguard Target Retirement Income (VTINX)	1,829,766	0.08	1,464	0.00	-
Vanguard Target Retirement 2020 (VTW NX)	1,288,050	0.08	1,030	0.00	-
Vanguard Target Retirement 2025 (VTTVX)	1,476,155	0.08	1,181	0.00	-
Vanguard Target Retirement 2030 (VTHR X)	3,365,369	0.08	2,692	0.00	-
Vanguard Target Retirement 2035 (VTTHX)	1,053,069	0.08	842	0.00	-
Vanguard Target Retirement 2040 (VFORX)	163,074	0.08	130	0.00	-
Vanguard Target Retirement 2045 (VTIVX)	395,285	0.08	316	0.00	-
Vanguard Target Retirement 2050 (VFIFX)	751,250	0.08	601	0.00	-
Vanguard Target Retirement 2055 (VFFVX)	327,940	0.08	262	0.00	-
Vanguard Target Retirement 2060 (VTT SX)	35,928	0.08	29	0.00	-
Vanguard Target Retirement 2065 (VLXVX)	10,589	0.08	8	0.00	-
MSQ Retirement Income Advantage	984,144	1.67	16,435	0.45	4,429
MissionSquare Plus Fund	12,486,798	0.52	64,931	0.00	-
457 Plan- 300786	51,029,316	0.29	149,975	0.03	13,680

Fee information on this page is an illustrative estimate of management fees based on current reported portfolio values. Fee estimates do not reflect actual calculation methodologies or applicable carried interest.

	Market Value (\$)	Estimated Annual Fee (%)	Estimated Annual Fee (\$)	Revenue Share (%)	Revenue Share (\$)
MSQ Parnassus Core Equity (PRBLX)	129,212	0.82	1,060	0.25	323
BNY Mellon Dynamic Value (DRGYX)	159,432	0.63	1,004	0.00	-
Fidelity Lrg Cap Gro Idx (FSPGX)	1,029,359	0.04	360	0.00	-
MSQ Victory Sycamore Est Value (VEVYX)	71,102	0.61	434	0.25	178
MSQ TimesSquare Mid Cap Growth (TMDPX)	192,570	1.18	2,272	0.25	481
MissionSquare Small Cap Discovery	83,244	0.62	516	N/A	-
MSQ Invesco Discovery Fund (ODIYX)	338,359	0.78	2,639	0.25	846
MSQ Diversified International	306,925	0.85	2,609	0.25	767
MSQ Cohen & Steers Realty R5	152,018	0.88	1,338	0.25	380
Dodge & Cox Income X (DOXIX)	357,988	0.33	1,181	N/A	-
MissionSquare Inflation Focused	315,880	0.36	1,137	0.00	-
Neuberger Berman High Yield Fixed Income (NHILX)	45,376	0.71	322	0.10	45
Vanguard 500 Index Fund (VFIAX)	2,185,207	0.04	874	0.00	-
Vanguard Mid Cap Index (VIMAX)	386,262	0.05	193	0.00	-
Vanguard Small Cap Index (VSMAX)	532,799	0.05	266	0.00	-
Vanguard Total Int'l Stock Index (VTIAX)	960,962	0.11	1,057	0.00	-
Vanguard Target Retirement Income (VTINX)	144,411	0.08	116	0.00	-
Vanguard Target Retirement 2020 (VTWNX)	1,572,925	0.08	1,258	0.00	-
Vanguard Target Retirement 2025 (VTTVX)	1,214,845	0.08	972	0.00	-
Vanguard Target Retirement 2030 (VTHRXX)	1,974,249	0.08	1,579	0.00	-
Vanguard Target Retirement 2035 (VTTHX)	1,418,086	0.08	1,134	0.00	-
Vanguard Target Retirement 2040 (VFORX)	1,175,122	0.08	940	0.00	-
Vanguard Target Retirement 2045 (VTIVX)	940,292	0.08	752	0.00	-
Vanguard Target Retirement 2050 (VFIFX)	709,225	0.08	567	0.00	-
Vanguard Target Retirement 2055 (VFFVX)	146,933	0.08	118	0.00	-
Vanguard Target Retirement 2060 (VTTSX)	38,631	0.08	31	0.00	-
Vanguard Target Retirement 2065 (VLXVX)	8,653	0.08	7	0.00	-
MSQ Retirement Income Advantage	196,925	1.67	3,289	0.45	886
MissionSquare Plus Fund	1,443,513	0.52	7,506	N/A	-
401a Plan- 106397	18,329,299	0.19	35,533	0.02	3,907

Fee information on this page is an illustrative estimate of management fees based on current reported portfolio values. Fee estimates do not reflect actual calculation methodologies or applicable carried interest.

**Town of Palm Beach Retirement System DC 401a Fire Share
Fee Analysis
As of June 30, 2024**

	Market Value (\$)	Estimated Annual Fee (%)	Estimated Annual Fee (\$)	Revenue Share (%)	Revenue Share (\$)
MSQ Parnassus Core Equity (PRBLX)	6,744	0.82	55	0.25	17
BNY Mellon Dynamic Value (DRGYX)	15,751	0.63	99	0.00	-
Fidelity Lrg Cap Gro Idx (FSPGX)	967,820	0.04	339	0.00	-
MSQ Victory Sycamore Est Value (VEVYX)	7,801	0.61	48	0.25	20
MSQ TimesSquare Mid Cap Growth (TMDPX)	83,179	1.18	982	0.25	208
MissionSquare Small Cap Discovery	33,696	0.62	209	0.00	-
MSQ Invesco Discovery Fund (ODIYX)	217,501	0.78	1,697	0.25	544
MSQ Diversified International	53,716	0.85	457	0.25	134
MSQ Cohen & Steers Realty R5	72,550	0.88	638	0.25	181
Dodge & Cox Income X (DOXIX)	15,782	0.33	52	0.00	-
MissionSquare Inflation Focused	9,751	0.36	35	0.00	-
Neuberger Berman High Yield Fixed Income (NHILX)	2,583	0.71	18	0.10	3
Vanguard 500 Index Fund (VFIAX)	174,259	0.04	70	0.00	-
Vanguard Mid Cap Index (VIMAX)	148,953	0.05	74	0.00	-
Vanguard Small Cap Index (VSMAX)	46,555	0.05	23	0.00	-
Vanguard Total Int'l Stock Index (VTIAX)	44,435	0.11	49	0.00	-
Vanguard Target Retirement Income (VTINX)	-	0.08	-	0.00	-
Vanguard Target Retirement 2020 (VTWNX)	-	0.08	-	0.00	-
Vanguard Target Retirement 2025 (VTTVX)	94,306	0.08	75	0.00	-
Vanguard Target Retirement 2030 (VTHRXX)	-	0.08	-	0.00	-
Vanguard Target Retirement 2035 (VTTHX)	54,040	0.08	43	0.00	-
Vanguard Target Retirement 2040 (VFORX)	38,382	0.08	31	0.00	-
Vanguard Target Retirement 2045 (VTIVX)	17,829	0.08	14	0.00	-
Vanguard Target Retirement 2050 (VFIFX)	3,905	0.08	3	0.00	-
Vanguard Target Retirement 2055 (VFFVX)	-	0.08	-	0.00	-
Vanguard Target Retirement 2060 (VTTSX)	-	0.08	-	0.00	-
Vanguard Target Retirement 2065 (VLXVX)	-	0.08	-	0.00	-
MSQ Retirement Income Advantage	-	1.67	-	0.45	-
MissionSquare Plus Fund	615,099	0.52	3,199	0.00	-
401a Fire Share-106796	2,730,403	0.30	8,210	0.04	1,106

Fee information on this page is an illustrative estimate of management fees based on current reported portfolio values. Fee estimates do not reflect actual calculation methodologies or applicable carried interest.

Town of Palm Beach Retirement System DC RHS

Fee Analysis

As of June 30, 2024

	Market Value (\$)	Estimated Annual Fee (%)	Estimated Annual Fee (\$)
Parnassus Core Equity (PRBLX)	64,144	0.82	526
BNY Mellon Dynamic Value (DRGYX)	105,026	0.63	662
Fidelity Lrg Cap Gro Idx (FSPGX)	564,624	0.07	395
Victory Sycamore Est Value (VEVYX)	105,803	0.61	645
AMG TimesSquare Mid Cap Growth (TMDPX)	130,543	1.18	1,540
MissionSquare Small Cap Discovery Fund	63,465	1.07	679
Fidelity Diversified International (FDIVX)	32,051	0.99	317
Dodge & Cox Income X (DOXIX)	36,675	0.33	121
MissionSquare Inflation Focused Fund	14,771	0.82	121
Neuberger Berman High Yield Fixed Income (NHILX)	1,918	0.71	14
Vanguard 500 Index Fund (VFIAX)	729,413	0.04	292
Vanguard Small Cap Index (VSMAX)	63,626	0.05	32
Vanguard Total Int'l Stock Index (VTIAX)	10,655	0.11	12
Vanguard Target Retirement Income (VTINX)	156,541	0.08	125
Vanguard Target Retirement 2020 (VTWNX)	519,078	0.08	415
Vanguard Target Retirement 2025 (VTTVX)	745,286	0.08	596
Vanguard Target Retirement 2030 (VTHR)	986,937	0.08	790
Vanguard Target Retirement 2035 (VTTHX)	662,364	0.08	530
Vanguard Target Retirement 2040 (VFORX)	432,029	0.08	346
Vanguard Target Retirement 2045 (VTIVX)	421,807	0.08	337
Vanguard Target Retirement 2050 (VFIFX)	201,235	0.08	161
Vanguard Target Retirement 2055 (VFFVX)	237,001	0.08	190
Vanguard Target Retirement 2060 (VTTSX)	57,707	0.08	46
Vanguard Target Retirement 2065 (VLXVX)	5,421	0.08	4
MissionSquare PLUS Fund S3	417,678	0.97	4,051
RHS Current Plan- 803116	6,765,798	0.19	12,948

Fee information on this page is an illustrative estimate of management fees based on current reported portfolio values. Fee estimates do not reflect actual calculation methodologies or applicable carried interest.

**Town of Palm Beach Retirement System DC Prior RHS
Fee Analysis
As of June 30, 2024**

	Market Value (\$)	Estimated Annual Fee (%)	Estimated Annual Fee (\$)
Parnassus Core Equity (PRBLX)	-	0.82	-
BNY Mellon Dynamic Value (DRGYX)	2,202	0.63	14
Fidelity Lrg Cap Gro Idx (FSPGX)	3,537	0.04	1
Victory Sycamore Est Value (VEVYX)	-	0.61	-
AMG TimesSquare Mid Cap Growth (TMDPX)	13,940	1.18	165
MissionSquare Small Cap Discovery Fund	-	1.07	-
Fidelity Diversified International (FDIVX)	-	0.65	-
Dodge & Cox Income X (DOXIX)	-	0.33	-
MissionSquare Inflation Focused Fund	23,202	0.82	190
Neuberger Berman High Yield Fixed Income (NHILX)	-	0.71	-
Vanguard 500 Index Fund (VFIAX)	145,293	0.04	58
Vanguard Small Cap Index (VSMAX)	4,657	0.05	2
Vanguard Total Int'l Stock Index (VTIAX)	-	0.11	-
Vanguard Target Retirement Income (VTINX)	127,720	0.08	102
Vanguard Target Retirement 2020 (VTW NX)	42,329	0.08	34
Vanguard Target Retirement 2025 (VTTVX)	70,680	0.08	57
Vanguard Target Retirement 2030 (VTHR X)	23,369	0.08	19
Vanguard Target Retirement 2035 (VTTHX)	4,771	0.08	4
Vanguard Target Retirement 2040 (VFORX)	1,487	0.08	1
Vanguard Target Retirement 2045 (VTIVX)	4,653	0.08	4
Vanguard Target Retirement 2050 (VFIFX)	-	0.08	-
Vanguard Target Retirement 2055 (VFFVX)	-	0.08	-
Vanguard Target Retirement 2060 (VTT SX)	-	0.08	-
Vanguard Target Retirement 2065 (VLXVX)	-	0.08	-
MissionSquare PLUS Fund S3	9,989	0.97	97
RHS Old Plan - 800533	477,832	0.16	747

Fee information on this page is an illustrative estimate of management fees based on current reported portfolio values. Fee estimates do not reflect actual calculation methodologies or applicable carried interest.

Page Intentionally Left Blank

**Vanguard Target Retirement
Target Date Fund Universe Ranges
June 30, 2024**

Asset Class	2065+	2060	2055	2050	2045	2040	2035	2030	2025	2020	Retirement
Equity Range											
Maximum	100%	100%	100%	100%	95%	90%	85%	80%	70%	65%	45%
Minimum	60%	50%	50%	50%	45%	45%	40%	35%	20%	15%	5%
Fixed Income Range											
Maximum	20%	20%	25%	30%	35%	40%	50%	55%	70%	75%	85%
Minimum	0%	0%	0%	0%	0%	5%	10%	15%	20%	25%	45%
Cash Range											
Maximum	20%	20%	20%	30%	30%	30%	30%	30%	30%	35%	35%
Minimum	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other Range											
Maximum	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Minimum	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Target Date Universe	44	46	45	46	46	46	47	47	47	37	33

Morningstar Definitions:

1. Cash - The percentage of the fund's assets in cash. This figure is calculated separately for the short and long positions of the portfolio, and the sum of the asset allocation of each will not necessarily equal 100%.
2. Other - The percentage of the fund's assets in other instruments. This figure is calculated separately for the short and long positions of the portfolio, and the sum of the asset allocation of each will not necessarily equal 100%.
3. Target Date Universe - Based on the number of unique glide paths in the Morningstar Target Date Universe. Only one share class is selected to represent the fund manager.

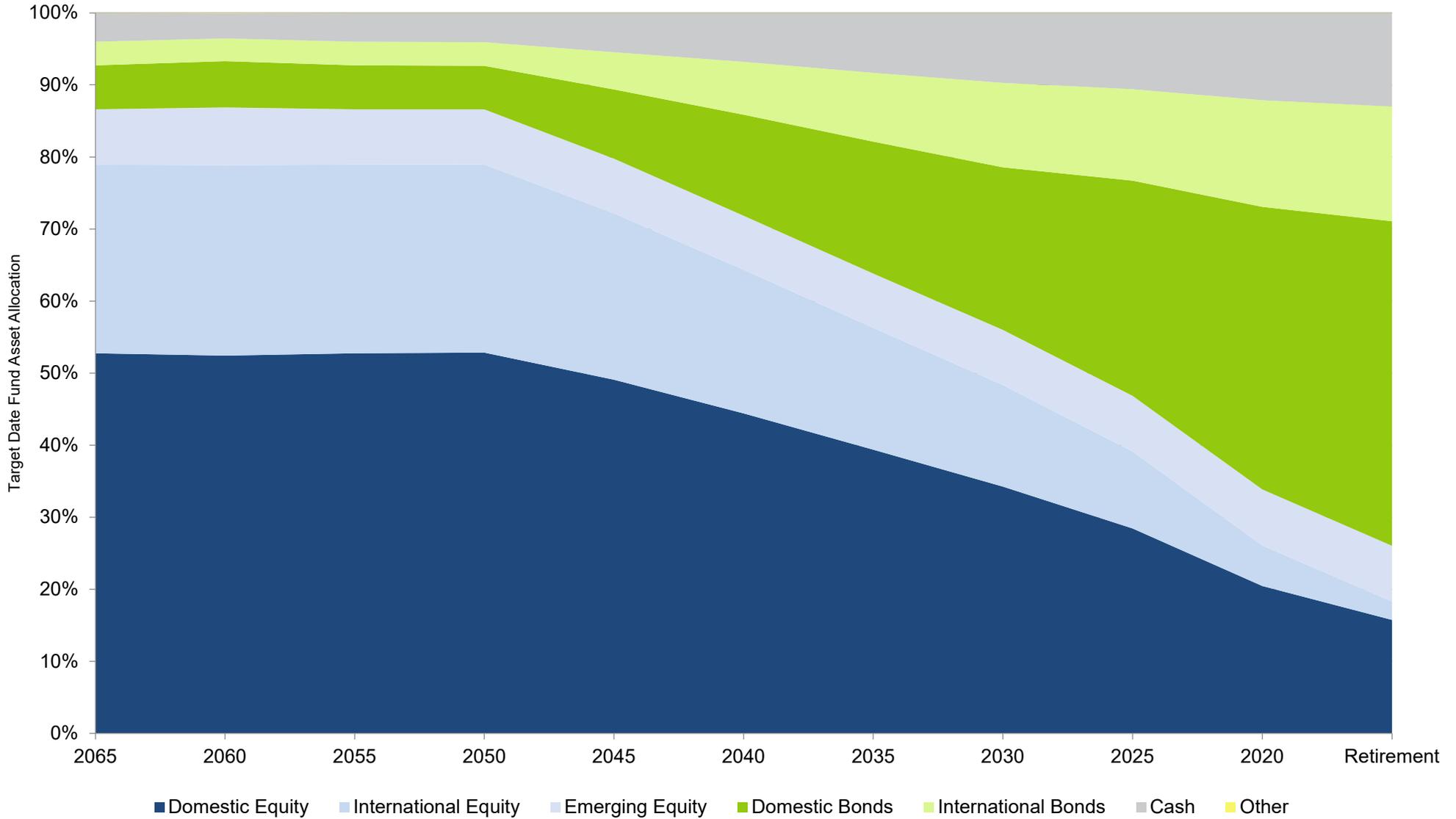
**Vanguard Target Retirement
Target Date Fund Asset Allocation
June 30, 2024**

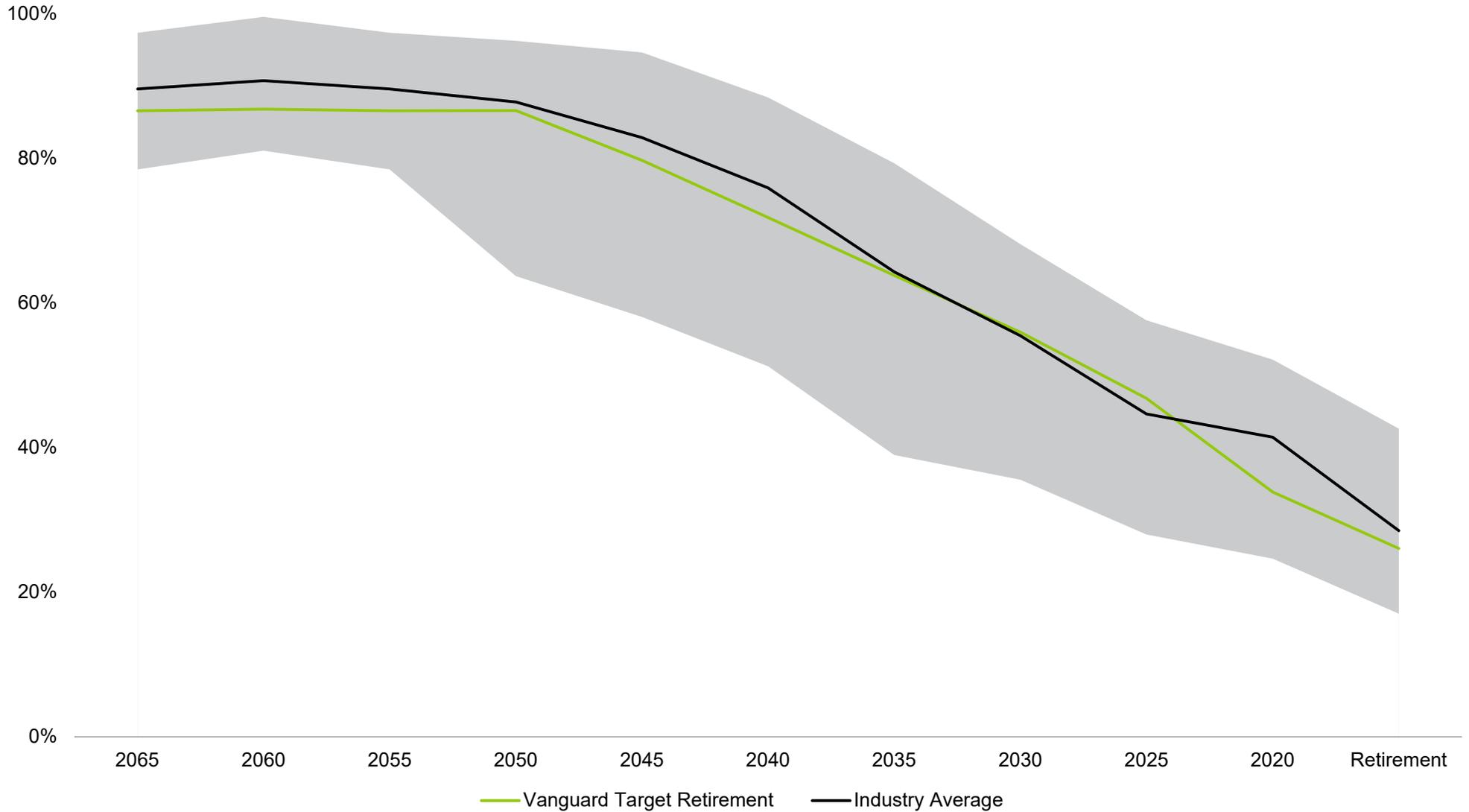
Asset Class	2065	2060	2055	2050	2045	2040	2035	2030	2025	2020	Retirement
Total Equity	87%	87%	87%	87%	80%	72%	64%	56%	47%	34%	26%
Domestic Equity	53%	52%	53%	53%	49%	44%	39%	34%	28%	20%	16%
International Equity	26%	26%	26%	26%	23%	20%	17%	14%	11%	6%	3%
Emerging Equity	8%	8%	8%	8%	8%	8%	8%	8%	8%	8%	8%
Total Fixed Income	9%	10%	9%	9%	15%	21%	28%	34%	43%	54%	61%
Domestic Bonds	6%	6%	6%	6%	10%	14%	18%	23%	30%	39%	45%
International Bonds	3%	3%	3%	3%	5%	7%	10%	12%	13%	15%	16%
Cash	4%	3%	4%	4%	5%	7%	8%	10%	11%	12%	13%
Other	0%										
Total	100%										

Terminal Equity Date:	7 years after Retirement
Active/Passive/Blend Allocation:	Passive

Morningstar Definitions:

1. Cash - The percentage of the fund's assets in cash. This figure is calculated separately for the short and long positions of the portfolio, and the sum of the asset allocation of each will not necessarily equal 100%.
2. Other - The percentage of the fund's assets in other instruments. This figure is calculated separately for the short and long positions of the portfolio, and the sum of the asset allocation of each will not necessarily equal 100%.





1. Industry Range (Gray Bar) - Represents the equity allocation range of the Target Date Funds in the universe.

2. Industry Average - The average equity allocation of the investments included in the universe.

This summer marks the **50th anniversary of ERISA** (Employee Retirement Income Security Act of 1974), an expansive and evolving regulatory framework impacting benefit plans that cover millions of participants. While not all plans are subject to the regulations, it is often referenced for guidance and best practice standards.

Notable ERISA Supreme Court Fiduciary Litigation

Hughes v Northwestern – 595 U.S. 19-1401 (2022)

Issue: Pleading Standard – Excessive Fees / Investment Decisions

Outcome: Supreme Court reiterated duty of prudence pleading standards set forth in *Iqbal* (2009) and *Twombly* (2007)*, which focuses on the plausibility of a plaintiff’s complaint. Courts must determine whether claims that a fiduciary acted unreasonably is supported by factual allegations, in the appropriate context. Additionally, “courts must give due regard to the range of reasonable judgments a fiduciary may make...”.

Tibble v Edison – 575 U.S. 523 (2015)

Issue: Ongoing Duty to Monitor Investments

Outcome: Supreme Court ruled fiduciaries have an ongoing duty to monitor and replace imprudent offerings, distinct from the prudence exercised during initial investment selection.

Fifth Third v Dudenhoefter – 573 U.S. 409 (2014)

Issue: Employer Stock

Outcome: Removed ‘presumption of prudence’ from company stock holdings. Fiduciaries must apply un-biased oversight and due diligence to company stock.



*Supreme Court: *Bell Atlantic Corp. v. Twombly*, 550 U.S. 544 (2007) and *Ashcroft v Iqbal*, 556 U.S. 662 (2009)

Recent Litigation Trends

Excessive Fees

- **Allegation:** Recordkeeper fees are high comparable to peers. Failure to utilize less expensive share class.
- **Consideration:** Services vary by plan and provider, complicating broad peer comparisons.
- **Mitigation:** Document periodic fee benchmarking and explore various recordkeeping fee models. Review investment offerings for cost reduction opportunities based on eligibility.

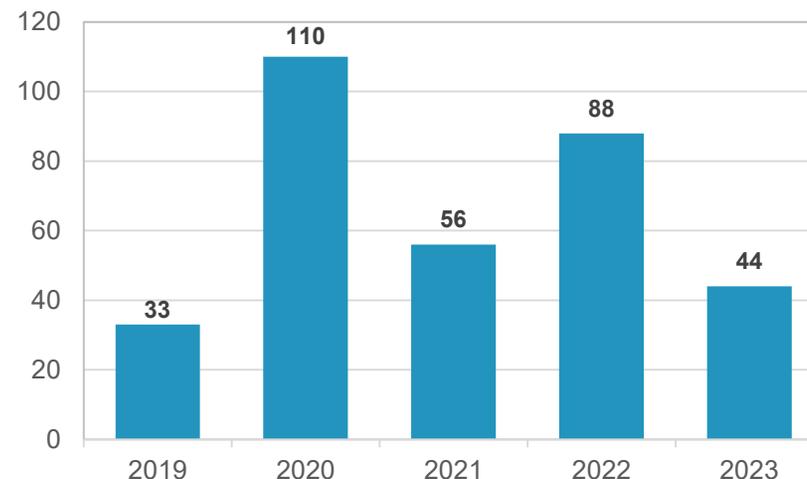
Target Date Selection

- **Allegation:** Asset allocation strategy underperforms peers and/or is inappropriate.
- **Consideration:** Difficulty in measuring against a 'meaningful benchmark' due to diverse offerings.
- **Mitigation:** Periodically document review of current asset allocation offering against the marketplace.

Forfeiture Utilization

- **Allegation:** Balance used to offset employer contributions instead of defraying plan expenses.
- **Considerations:** Permitted use of funds per regulation. Historically considered a settlor decision.
- **Mitigation:** Review plan document language and clarify as needed to explicitly direct application.

ERISA Case Filings by Year



Source (chart and text below): Goodwin Law; ERISA Litigation Update- Jan. 18, 2024

Lawsuits continue to increasingly focus on smaller plans, with approximately 36% of the 44 cases filed in 2023 targeting plans with less than \$1 billion in assets.

Fiduciary Focus on Plan Management

Treatment of Forfeitures and Float Income

Forfeitures

The unvested portion of employer contributions upon participant termination/separation.

- Permitted uses: Offset future employer contributions, pay qualified plan expenses, or allocate as additional employer contributions to participants.
- Timing: IRS proposed regulations to clarify that forfeitures are to be used by the end of the following plan year. 2024 Transition Rule allows sponsors to treat all previous forfeitures in the plan as occurring in 2024. Prior informal guidance stated that funds must be used during the current plan year.
- Review: Understand treatment outlined in the plan document, if applicable. Consider clarifying language to reduce discretionary ambiguity and explicitly direct use of funds.

Float Income

The returns generated by custodians serve as a function of temporarily holding funds in transit (typically overnight) while facilitating participant transactions.

- DOL Guidance: Retention of float income by a custodian/recordkeeper without disclosure may constitute prohibited self-dealing.
- Review: Understand how float income is being treated by the recordkeeper, and how much is generated by the plan's operations. May be utilized during periodic fee negotiations.

DOL Retirement Security Rule – Definition of an Investment Advice Fiduciary (2024)

New “Fiduciary Rule” suspended by Federal Judge as of July 25, 2024

- [Summary](#): Broadens the types of advice interactions subject to the application of fiduciary best interest standards, effective September 23, 2024.
- [Result](#): Primarily impacts brokers or professionals who may engage in providing one-time advice to participants on rollovers into IRAs or annuities from a qualified retirement plan.
- [Plan Sponsor Considerations](#): Risk of higher co-fiduciary liability as certain discussions/tools provided by recordkeepers or third-party vendors may now be subject to a higher standard.
- [Challenges](#): While narrowed in scope from the 2016 version, which was ultimately struck down by legal challenges, the new rule already faces multiple lawsuits and is currently suspended.

SECURE 2.0 – Notable 2025 Provisions

As a reminder, the following provisions are effective next year:

Provision	Details	Condition	Impacts
Part-Time Employees	Reduces eligibility requirement to two years from three years in the original SECURE Act. Must work a minimum of 500 hours in consecutive years.	Mandatory	ERISA
Increase Catch-Ups	Limit adjusted for participants aged 60-63 to greater of \$10,000 or 150% of 2024 standard catch-up limit (indexed).	Mandatory / Optional*	ERISA / Gov't

**The allowance of catch-up contributions is optional, however if permitted, this adjustment may be mandatory as amended in IRC 414(v).*

Quarterly	1 st Quarter	2 nd Quarter	3 rd Quarter	4 th Quarter
Follow procedures, including documentation of all meetings and decisions	✓	✓		
Review of plan investments and compliance with investment policy statement	✓	✓		
Fiduciary education	✓	✓		
Periodically				
Investment policy statement review				
Review QDIA selection				
Plan fee analysis				
Plan recordkeeping & administration services review				
Employee education review				
Review of ancillary products, if applicable (self-directed brokerage, in plan annuity, managed accounts, etc.)				
Other Projects				
Facilitated adding a Money Market Option with MissionSquare	✓			
Performed additional analysis on the Neuberger High Yield Fixed Income Fund		✓		

Active Return	- Arithmetic difference between the manager's performance and the designated benchmark return over a specified time period.
Alpha	- A measure of the difference between a portfolio's actual performance and its expected return based on its level of risk as determined by beta. It determines the portfolio's non-systemic return, or its historical performance not explained by movements of the market.
Beta	- A measure of the sensitivity of a portfolio to the movements in the market. It is a measure of the portfolio's systematic risk.
Consistency	- The percentage of quarters that a product achieved a rate of return higher than that of its benchmark. Higher consistency indicates the manager has contributed more to the product's performance.
Distributed to Paid In (DPI)	- The ratio of money distributed to Limited Partners by the fund, relative to contributions. It is calculated by dividing cumulative distributions by paid in capital. This multiple shows the investor how much money they got back. It is a good measure for evaluating a fund later in its life because there are more distributions to measure against.
Down Market Capture	- The ratio of average portfolio performance over the designated benchmark during periods of negative returns. A lower value indicates better product performance
Downside Risk	- A measure similar to standard deviation that utilizes only the negative movements of the return series. It is calculated by taking the standard deviation of the negative quarterly set of returns. A higher factor is indicative of a riskier product.
Excess Return	- Arithmetic difference between the manager's performance and the risk-free return over a specified time period.
Excess Risk	- A measure of the standard deviation of a portfolio's performance relative to the risk free return.
Information Ratio	- This calculates the value-added contribution of the manager and is derived by dividing the active rate of return of the portfolio by the tracking error. The higher the Information Ratio, the more the manager has added value to the portfolio.
Public Market Equivalent (PME)	- Designs a set of analyses used in the Private Equity Industry to evaluate the performance of a Private Equity Fund against a public benchmark or index.
R-Squared	- The percentage of a portfolio's performance that can be explained by the behavior of the appropriate benchmark. A high R-Squared means the portfolio's performance has historically moved in the same direction as the appropriate benchmark.
Return	- Compounded rate of return for the period.
Sharpe Ratio	- Represents the excess rate of return over the risk free return divided by the standard deviation of the excess return. The result is an absolute rate of return per unit of risk. A higher value demonstrates better historical risk-adjusted performance.
Standard Deviation	- A statistical measure of the range of a portfolio's performance. It represents the variability of returns around the average return over a specified time period.
Total Value to Paid In (TVPI)	- The ratio of the current value of remaining investments within a fund, plus the total value of all distributions to date, relative to the total amount of capital paid into the fund to date. It is a good measure of performance before the end of a fund's life
Tracking Error	- This is a measure of the standard deviation of a portfolio's returns in relation to the performance of its designated market benchmark.
Treynor Ratio	- Similar to Sharpe ratio but utilizes beta rather than excess risk as determined by standard deviation. It is calculated by taking the excess rate of return above the risk free rate divided by beta to derive the absolute rate of return per unit of risk. A higher value indicates a product has achieved better historical risk-adjusted performance.
Up Market Capture	- The ratio of average portfolio performance over the designated benchmark during periods of positive returns. A higher value indicates better product performance.

Mariner Institutional compiled this report for the sole use of the client for which it was prepared. Mariner Institutional is responsible for evaluating the performance results of the Total Fund along with the investment advisors by comparing their performance with indices and other related peer universe data that is deemed appropriate. Mariner Institutional uses the results from this evaluation to make observations and recommendations to the client.

Mariner Institutional uses time-weighted calculations which are founded on standards recommended by the CFA Institute. The calculations and values shown are based on information that is received from custodians. Mariner Institutional analyzes transactions as indicated on the custodian statements and reviews the custodial market values of the portfolio. As a result, this provides Mariner Institutional with a reasonable basis that the investment information presented is free from material misstatement. This methodology of evaluating and measuring performance provides Mariner Institutional with a practical foundation for our observations and recommendations. Nothing came to our attention that would cause Mariner Institutional to believe that the information presented is significantly misstated.

This performance report is based on data obtained by the client's custodian(s), investment fund administrator, or other sources believed to be reliable. While these sources are believed to be reliable, the data providers are responsible for the accuracy and completeness of their statements. Clients are encouraged to compare the records of their custodian(s) to ensure this report fairly and accurately reflects their various asset positions.

The strategies listed may not be suitable for all investors. We believe the information provided here is reliable, but do not warrant its accuracy or completeness. Past performance is not an indication of future performance. Any information contained in this report is for informational purposes only and should not be construed to be an offer to buy or sell any securities, investment consulting, or investment management services.

Additional information included in this document may contain data provided by index databases, public economic sources, and the managers themselves.

This document may contain data provided by Bloomberg.

This document may contain data provided by Standard and Poor's. Nothing contained within any document, advertisement or presentation from S&P Indices constitutes an offer of services in jurisdictions where S&P Indices does not have the necessary licenses. All information provided by S&P Indices is impersonal and is not tailored to the needs of any person, entity or group of persons. Any returns or performance provided within any document is provided for illustrative purposes only and does not demonstrate actual performance. Past performance is not a guarantee of future investment results.

This document may contain data provided by MSCI, Inc. Copyright MSCI, 2017. Unpublished. All Rights Reserved. This information may only be used for your internal use, may not be reproduced or disseminated in any form and may not be used to create any financial instruments or products or any indices. This information is provided on an "as is" basis and the user of this information assumes the entire risk of any use it may make or permit to be made of this information. Neither MSCI, any of its affiliates or any other person involved in or related to compiling, computing or creating this information makes any express or implied warranties or representations with respect to such information or the results to be obtained by the use thereof, and MSCI, its affiliates and each such other person hereby expressly disclaim all warranties (including, without limitation, all warranties of originality, accuracy, completeness, timeliness, non-infringement, merchantability and fitness for a particular purpose) with respect to this information. Without limiting any of the foregoing, in no event shall MSCI, any of its affiliates or any other person involved in or related to compiling, computing or creating this information have any liability for any direct, indirect, special, incidental, punitive, consequential or any other damages (including, without limitation, lost profits) even if notified of, or if it might otherwise have anticipated, the possibility of such damages.

This document may contain data provided by Russell Investment Group. Russell Investment Group is the source owner of the data contained or reflected in this material and all trademarks and copyrights related thereto. The material may contain confidential information and unauthorized use, disclosure, copying, dissemination or redistribution is strictly prohibited. This is a user presentation of the data. Russell Investment Group is not responsible for the formatting or configuration of this material or for any inaccuracy in presentation thereof.

This document may contain data provided by Morningstar. All rights reserved. Use of this content requires expert knowledge. It is to be used by specialist institutions only. The information contained herein: (1) is proprietary to Morningstar and/or its content providers; (2) may not be copied, adapted or distributed; and (3) is not warranted to be accurate, complete or timely. Neither Morningstar nor its content providers are responsible for any damages or losses arising from any use of this information, except where such damages or losses cannot be limited or excluded by law in your jurisdiction. Past financial performance is not guarantee of future results.

***IMPORTANT DISCLOSURE INFORMATION RE GREENWICH QUALITY LEADER AWARD**

These ratings are not indicative of Mariner Institutional's future performance. These awards or any other rankings and/or recognition by unaffiliated rating services and/or publications should not be construed as a guarantee that a client will experience a certain level of results or satisfaction if they invest with Mariner Institutional, nor should it be construed as a current or past endorsement by any of our clients. Mariner Institutional did not pay a fee to participate in this award survey.

Methodology for this Award: For the 2022 Greenwich Quality Award for Overall U.S. Investment Consulting – Midsize Consultants – Between February and November 2022, Coalition Greenwich conducted interviews with 727 individuals from 590 of the largest tax-exempt funds in the United States. These U.S.-based institutional investors are corporate and union funds, public funds, and endowment and foundation funds, with either pension or investment pool assets greater than \$150 million. Study participants were asked to provide quantitative and qualitative evaluations of their asset management and investment consulting providers, including qualitative assessments of those firms soliciting their business and detailed information on important market trends.

MARINER

Access to a wealth of knowledge and solutions.