## AON

# **Quarterly Investment Review**

Nebraska Investment Council | Fourth Quarter 2022

Investment advice and consulting services provided by Aon Investments USA Inc.

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#### **Market Environment**



## Aon Investments' Key Themes for Public Funds

#### **Market Environment**

- The market dynamics of 2022 had a unique profile, with high inflation and poor returns for both equities and bonds. Q4 had a modest rebound from earlier in 2022.
- Key macro questions are around whether a deep global recession can be avoided and if/how the Fed will pivot.
- Traditional diversification benefits of stocks
   & bonds are less effective as correlations
   move higher.
- Non-traditional assets demonstrated their value in making portfolios more resilient across the challenging environment.

#### **Current Investment Themes**

- **Credit**: Be selective in credit markets. Rising yields and spread risks are bringing return challenges so selectivity is essential. Public credit has little to offer at present for return-focused investors though this could change if yields rise far enough. Private credit can be more attractive.
- Equity: Be mindful with equity risk within portfolios. Depending on the size of equity exposure, there are several options available. Reducing equity exposure for those with high weightings, diversification options, and even direct equity protection are all on the table.
- **Diversifiers**: This is an opportune time to review the importance of diversifiers and model their potential impacts on the portfolio

#### **Long-Term Strategy**

- Recover and reposition from 2022's market experience. Consider reviewing the strategic asset allocation, and in particular, exposures to public and private debt. The liquidity profile should be reviewed regularly.
- Navigate the decisions around implementing or pausing action on Responsible Investing—ESG Integration and DEI by educating stakeholders on the objectives, strategy, and philosophy.
- Improve governance and operations, including who makes which decisions and how. If the approach to areas like securities lending, custody services, and operational due diligence, hasn't recently been reviewed, 2023 would be a good time to do so.

The opinions referenced are as of December 31, 2022 and are subject to change due to changes in the market or economic conditions and may not necessarily come to pass. Information contained herein is for informational purposes only and should not be considered investment advice. Diversification does not ensure a profit, nor does it protect against loss of principal. Diversification among investment options and asset classes may help to reduce overall volatility.

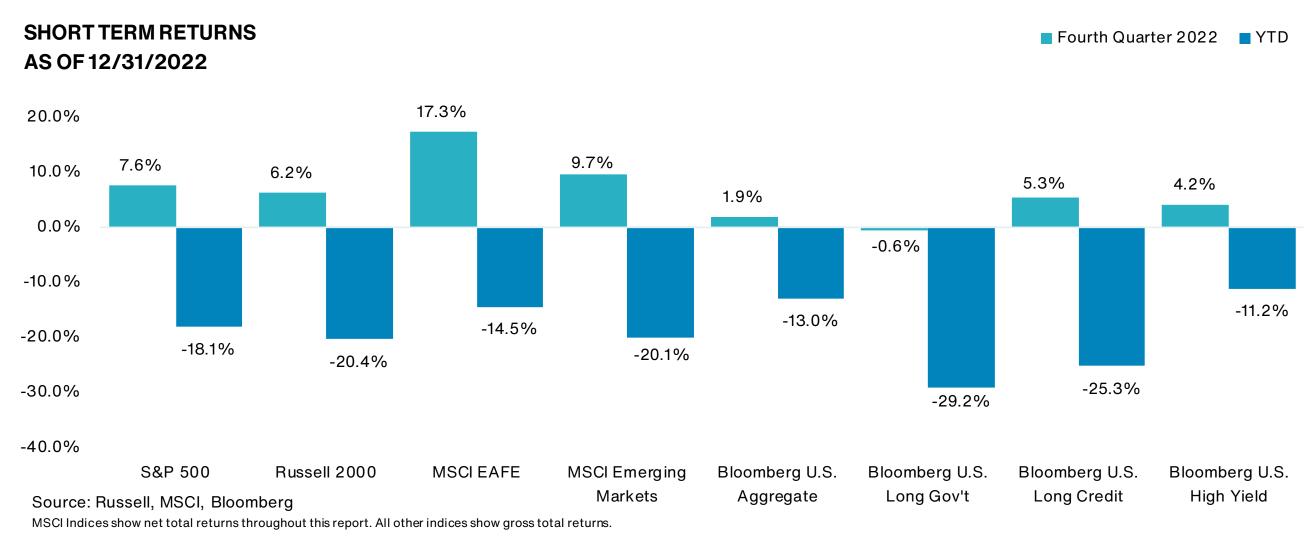
## **Thought Leadership Highlights**

## Public Funds

Topic	Article	Link
Aon United	Operational Diligence: Due for a Change?	<u>Link</u>
Aon United	SECURE 2.0	<u>Link</u>
Market View	Federal Reserve Outlook for 2023	<u>Link</u>
Market View	Quarterly Market Review and Outlook Video (access code 'aon!')	Link to Video
Market View	Quarterly Investment Outlook	<u>Link</u>
Market View	The good run-in value stocks may be coming to an end	Request from Consultant
Quarterly Outlook	Key Themes for Public Funds (4-minute video, access code 'aon!')	Link to Video
Public Funds	Expected Returns for Public Funds: Three Questions with John Sullivan	<u>Link</u>
Asset Allocation	Global Equity	<u>Link</u>
Asset Allocation	Client Video: US vs non US Equity (access code 'aon!')	Link to Video
Asset Allocation	The Strength of the U.S. Equity Market and its Impact on Equity Allocations	<u>Link</u>
Asset Allocation	White Paper: Why Diversify?	<u>Link</u>
Strategy Review	Why Securities Lending is Right, Now	<u>Link</u>
Strategy Review	The 'Case' for Litigation Finance	<u>Link</u>
Strategy Review	Private Credit: 3 Questions with Galina Kalcheva	<u>Link</u>
Strategy Review	Private Credit 101 (access code 'aon!')	Link to Video
Strategy Review	Private Credit Today: A Diverse Opportunity Set in a Growing Market	<u>Link</u>
Strategy Review	Private Equity Past and Present: Three Questions with Bruce Ingram	<u>Link</u>
Strategy Review	Conviction in Equity Investing Revisited	Request from Consultant
Other	Negotiating Fees for Investment Management: 3 Questions With Dino Nikolopoulos	<u>Link</u>

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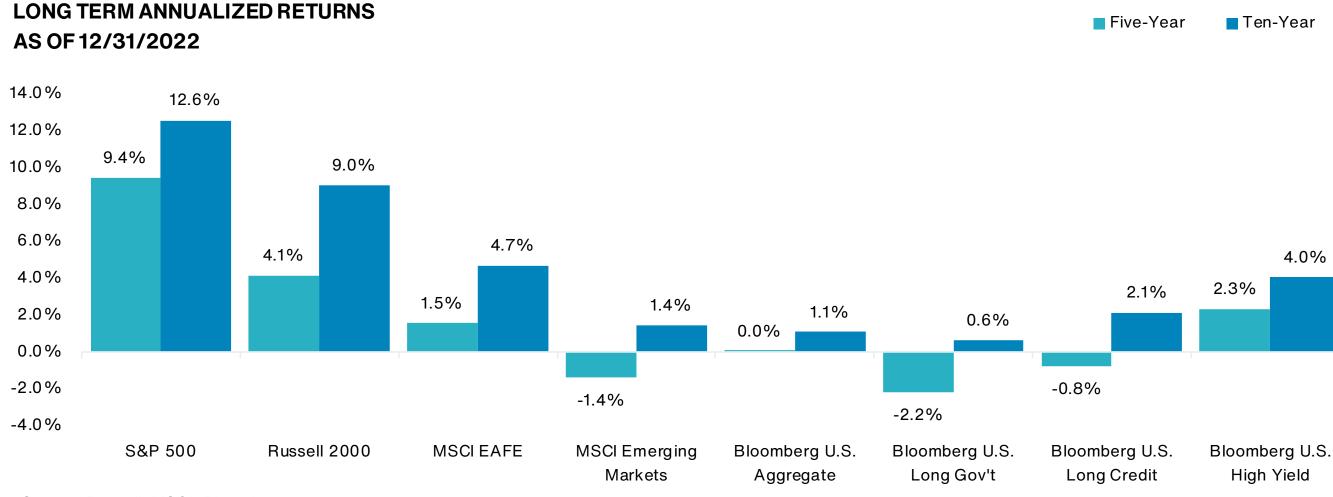
#### **Market Highlights**



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#### **Market Highlights**



Source: Russell, MSCI, Bloomberg

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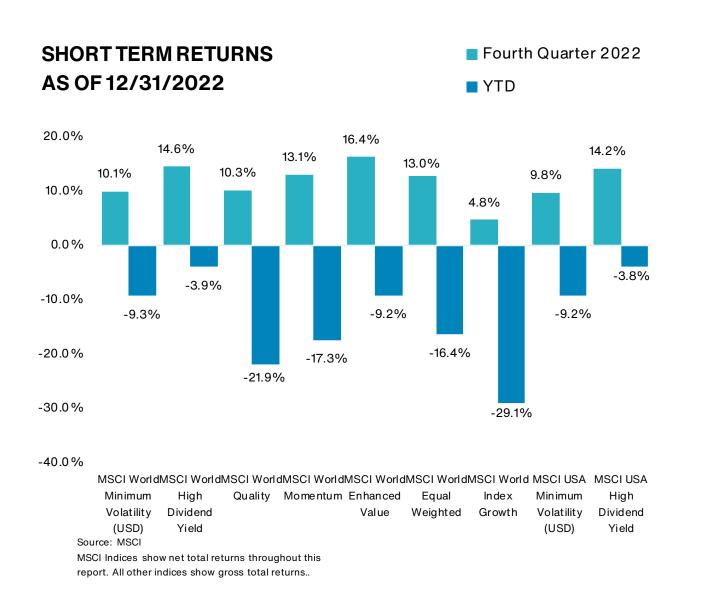
### **Market Highlights**

	Returns	of the Major	Capital Markets					Returns of th	e Major Capital	Markets			
					Period En	ding 12/31/2022					Р	eriod Ending 1	2/31/2022
	Fourth Quarter	YTD	1-Year	3-Year <sup>1</sup>	5-Year <sup>1</sup>	10-Year <sup>1</sup>		Fourth Quarter	YTD	1-Year	3-Year <sup>1</sup>	5-Year <sup>1</sup>	10-Year <sup>1</sup>
Equity							Fixed Income						
MSCI All Country World IMI	9.84%	-18.40%	-18.40%	3.89%	4.96%	7.94%	Bloomberg Global Aggregate	4.55%	-16.25%	-16.25%	-4.48%	-1.66%	-0.44%
MSCI All Country World	9.76%	-18.36%	-18.36%	4.00%	5.23%	7.98%	Bloomberg U.S. Aggregate	1.87%	-13.01%	-13.01%	-2.71%	0.02%	1.06%
Dow Jones U.S. Total Stock Market	7.18%	-19.53%	-19.53%	6.89%	8.65%	12.03%	Bloomberg U.S. Long Gov't	-0.59%	-29.19%	-29.19%	-7.39%	-2.19%	0.61%
Russell 3000	7.18%	-19.21%	-19.21%	7.07%	8.79%	12.13%	Bloomberg U.S. Long Credit	5.30%	-25.29%	-25.29%	-5.78%	-0.77%	2.13%
S&P 500	7.56%	-18.11%	-18.11%	7.66%	9.42%	12.56%	Bloomberg U.S. Long Gov't/Credit	2.61%	-27.09%	-27.09%	-6.20%	-1.21%	1.57%
Russell 2000	6.23%	-20.44%	-20.44%	3.10%	4.13%	9.01%	Bloomberg U.S. TIPS	2.04%	-11.85%	-11.85%	1.21%	2.11%	1.12%
MSCI All Country World ex-U.S. IMI	14.15%	-16.58%	-16.58%	0.20%	0.85%	3.98%	Bloomberg U.S. High Yield	4.17%	-11.19%	-11.19%	0.05%	2.31%	4.03%
MSCI All Country World ex-U.S.	14.28%	-16.00%	-16.00%	0.07%	0.88%	3.80%	Bloomberg Global Treasury ex U.S.	6.85%	-19.55%	-19.55%	-6.81%	-3.37%	-1.90%
MSCI EAFE	17.34%	-14.45%	-14.45%	0.87%	1.54%	4.67%	· ·						
MSCI EAFE (Local Currency)	8.72%	-7.00%	-7.00%	3.64%	3.81%	7.56%	JP Morgan EMBI Global (Emerging Markets)	7.44%	-16.45%	-16.45%	-4.49%	-1.00%	1.35%
MSCI Emerging Markets	9.70%	-20.09%	-20.09%	-2.69%	-1.40%	1.44%	Commodities	0.000/	10.000/	10.000/	10.050/	0.4407	1.000/
Equity Factors							Bloomberg Commodity Index	2.22%	16.09%	16.09%	12.65%	6.44%	-1.28%
MSCI World Minimum Volatility (USD)	10.09%	-9.28%	-9.28%	2.46%	5.62%	9.05%	Goldman Sachs Commodity Index	3.44%	25.99%	25.99%	10.49%	6.46%	-3.30%
MSCI World High Dividend Yield	14.60%	-3.93%	-3.93%	4.25%	5.62%	7.91%	Hedge Funds						
MSCI World Quality	10.26%	-21.90%	-21.90%	6.52%	9.42%	11.73%	HFRI Fund-Weighted Composite <sup>2</sup>	2.26%	-4.20%	-4.20%	5.68%	4.42%	4.68%
MSCI World Momentum	13.14%	-17.34%	-17.34%	6.94%	8.89%	11.98%	HFRI Fund of Funds <sup>2</sup>	1.79%	-5.25%	-5.25%	3.71%	3.02%	3.51%
MSCI World Enhanced Value	16.36%	-9.21%	-9.21%	1.95%	1.92%	7.10%	Real Estate						
MSCI World Equal Weighted	12.95%	-16.38%	-16.38%	2.05%	3.14%	7.43%	NAREIT U.S. Equity REITS	5.24%	-24.37%	-24.37%	-0.11%	3.68%	6.53%
MSCI World Index Growth	4.77%	-29.05%	-29.05%	4.94%	7.73%	10.44%	NCREIF NFI - ODCE	-4.96%	7.47%	7.47%	9.93%	8.68%	10.10%
MSCI USA Minimum Volatility (USD)	9.80%	-9.19%	-9.19%	5.14%	8.59%	11.88%	FTSE Global Core Infrastructure Index	8.66%	-5.79%	-5.79%	3.32%	6.65%	8.54%
MSCI USA High Dividend Yield	14.19%	-3.75%	-3.75%	6.07%	7.38%	11.46%	Private Equity						
MSCI USA Quality	9.28%	-22.67%	-22.67%	6.65%	10.44%	13.57%	Burgiss Private iQ Global Private Equity <sup>3</sup>			6.18%	21.00%	18.52%	15.82%
MSCI USA Momentum	12.16%	-17.39%	-17.39%	6.52%	8.78%	14.07%	MSCI Indices show net total returns thro	ughout this repo	ort. All other i	ndices show gr	oss total returi	ns.	
MSCI USA Enhanced Value	12.40%	-13.99%	-13.99%	3.50%	4.71%	10.90%	<sup>1</sup> Periods are annualized.						
MSCI USA Equal Weighted	9.71%	-16.99%	-16.99%	6.35%	7.54%	11.41%	<sup>2</sup> Latest 5 months of HFR data are estim	ated by HFR and	d may change	in the future.			
MSCI USA Growth	0.59%	-31.97%	-31.97%	7.10%	10.63%	13.69%	<sup>3</sup> Burgiss Private iQ Global Private Equity	y data is as at Ju	ıne 30, 2022				

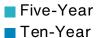


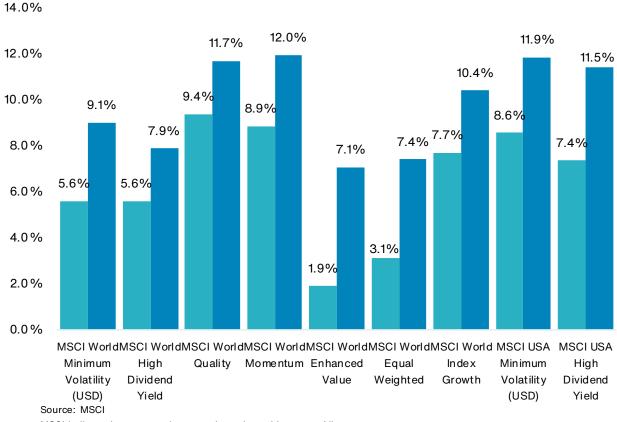
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#### **Factor Indices**



### LONG TERM ANNUALIZED RETURNS AS OF 12/31/2022



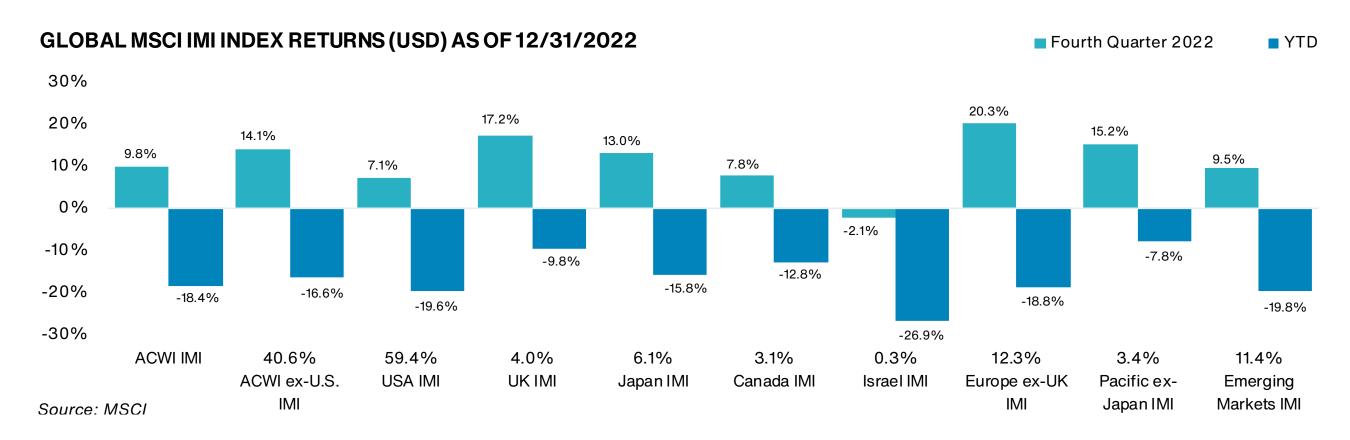


MSCI Indices show net total returns throughout this report. All other indices show gross total returns..

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#### **Global Equity Markets**



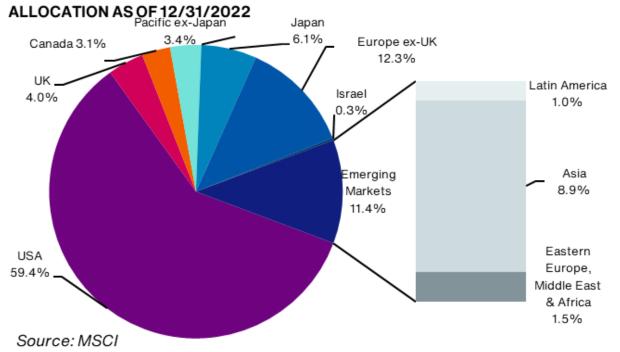
- In Q4 2022, equity markets rebounded as high-interest rate concerns abated. Volatility fell throughout the quarter as the CBOE Volatility Index (VIX) fell to 21.7 in December from 31.6 in the previous quarter, staying well above its 20-year average of 19.4. Yields trended higher with major central banks indicating continued support for aggressive monetary policy to control rising inflation. The MSCI All Country World Investable Market Index (ACWI IMI) returned 9.8% for the quarter but was down 18.4% on a year-to-date basis.
- Across international markets, generally all the regions were strong over the quarter. All regions apart from Israel posted a positive return.
- Europe ex-UK equities were the best regional performer with a return of 20.3% in US dollar terms due to sharp euro appreciation against the dollar. Economically sensitive sectors including energy, financials, industrials, and consumer discretionary outperformed.



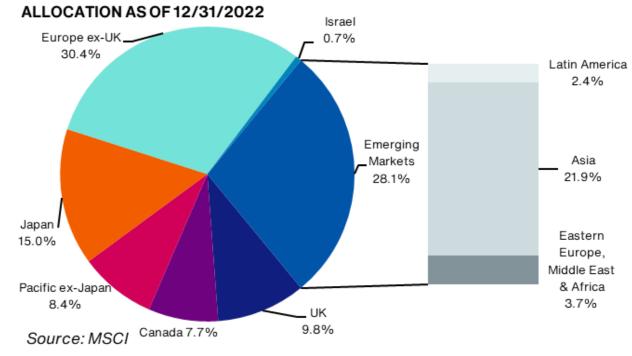
#### **Global Equity Markets**

Below is the country/region breakdown of the global and international equity markets as measured by the MSCI All Country World IMI Index and the MSCI All Country World ex-U.S. IMI Index, respectively.

#### MSCI ALL COUNTRY WORLD IMI INDEX GEOGRAPHIC



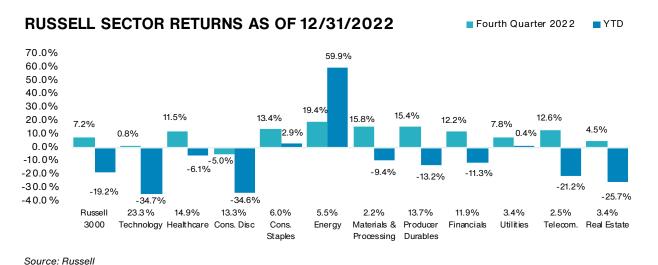
#### MSCI ALL COUNTRY WORLD EX-U.S. IMI INDEX GEOGRAPHIC





#### **U.S. Equity Markets**

- U.S. equities had a strong quarter with the S&P 500 index rising by 7.6%.
- In the US mid-term elections, the Democrats retained control over the Senate with a 51 seat majority whilst the Republicans won back control of the House of Representatives. The US Congress passed a \$1.7tn annual spending bill to fund the US government until September 2023 and avoid a government shutdown. The bill includes \$45bn in new military and economic aid to Ukraine, nearly \$773bn in domestic funding, and more than \$850bn for the US military
- The U.S. economy rebounded in the third quarter after it contracted in the first half of 2022. Annualized gross domestic product rose by 2.9% over Q3 2022, following the 0.6% contraction rate in the previous quarter. A narrowing trade deficit contributed to the U.S. economy's expansion in the third quarter, as softening consumer demand lowered imports while exports rose, particularly in the oil sector.
- The Russell 3000 Index rose 7.2% during the fourth quarter but was down 19.2% on a year-to-date basis. Except for Consumer Discretionary (-5.0%), all the sectors generated positive returns. Energy (19.4%) and Materials & Processing (15.8%) were the best performers.
- Large-cap stocks outperformed in value and Medium-cap stocks outperformed in growth.
- On a style basis, value outperformed growth across market capitalizations over the quarter and on a year-to-date basis.



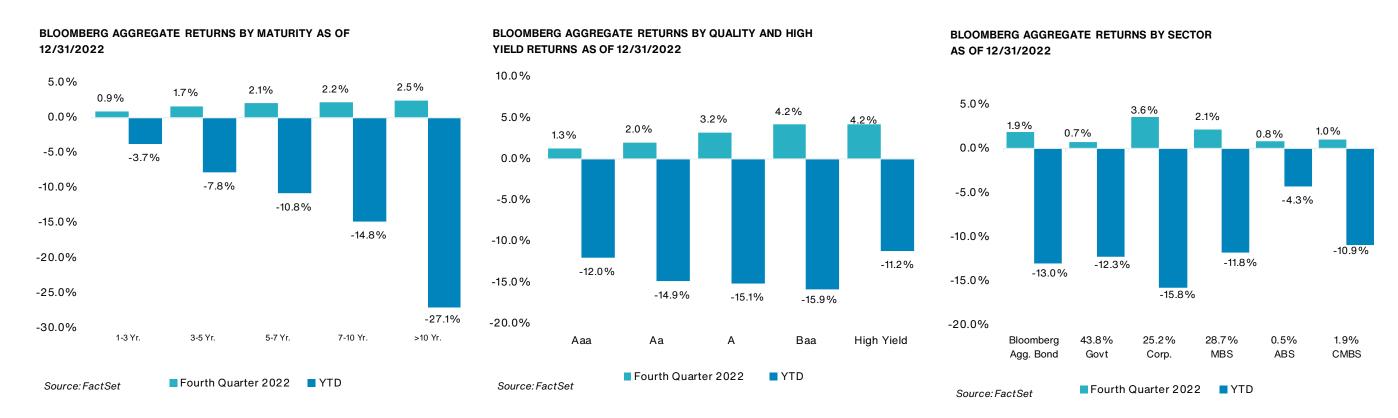


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Indexes

#### **U.S. Fixed Income Markets**

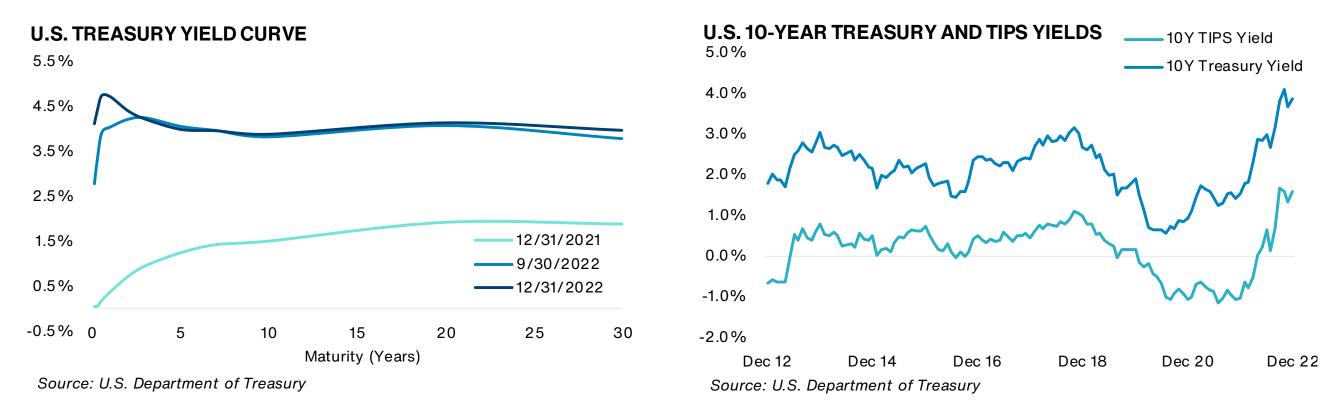


- The U.S. Federal Reserve (Fed) increased its benchmark interest rate by 125bps to a range of 4.25%-4.5% over the quarter. Fed chair Jerome Powell reiterated that monetary policy needs to be restrictive enough to bring inflation under control. According to the median estimate on the Fed dot plot, officials expect the policy rate to reach 5.1% by the end of 2023, up from the 4.6% forecasted in September.
- The Bloomberg U.S. Aggregate Bond Index was up 1.9% over the quarter but was down 13.0% on a year-to-date basis.
- Across durations, all maturities finished the quarter in positive territory.
- Within investment-grade bonds, lower-credit quality generally outperformed higher-quality issues, with Baa bonds rising by 4.2%. High-yield bonds also rose by 4.2%.

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#### **U.S. Fixed Income Markets**

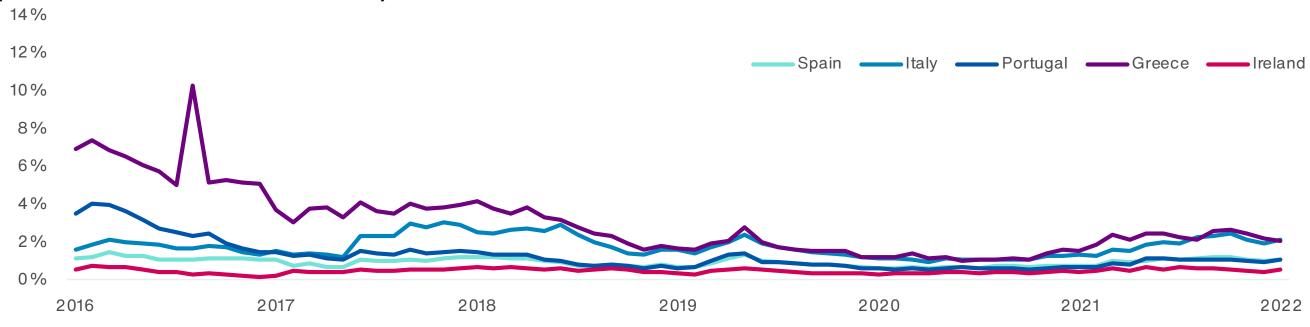


- U.S. Treasury yields saw notable increases at shorter maturities, fell marginally at medium maturities but rose slightly at the longer end of the curve. The 10-year Treasury yield was up 5bps to 3.88%, and the 30-year Treasury yield was up 18bps to 3.97% over the quarter.
- Inflation slowed down, driven by a fall in energy prices. The U.S. annual consumer price index (CPI) rose 7.1% year-on-year in November, down from the 7.7% recorded in October and less than economists' expectations of 7.3%.
- The 10-year TIPS yield fell by 10bps over the quarter to 1.58%.



#### **European Fixed Income Markets**

### EUROZONE PERIPHERAL BOND SPREADS (10-YEAR SPREADS OVER GERMAN BUNDS)



- European government bond spreads over 10-year German bunds generally narrowed across the Euro Area. The European Central Bank (ECB) raised its benchmark interest rates by 125bps to 2% over the quarter, the highest level in 14 years. The ECB president, Christine Lagarde, indicated further 0.5% rate increases in the next two meetings as the ECB announced plans to start shrinking the €5tn of bonds it purchased over the last eight years from March 2023.
- German and Portuguese government bond yields rose sharply, up 41bps and 40bps to 2.53% and 3.57% respectively over the quarter.
- Greek government bond yields fell by 20bps to 4.59% over the quarter.
- Eurozone annual inflation eased more than expected to 10.0% in November.



#### **Credit Spreads**

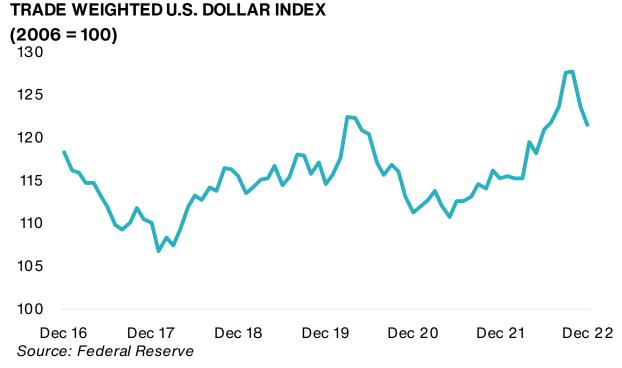
Source: FactSet, Bloomberg

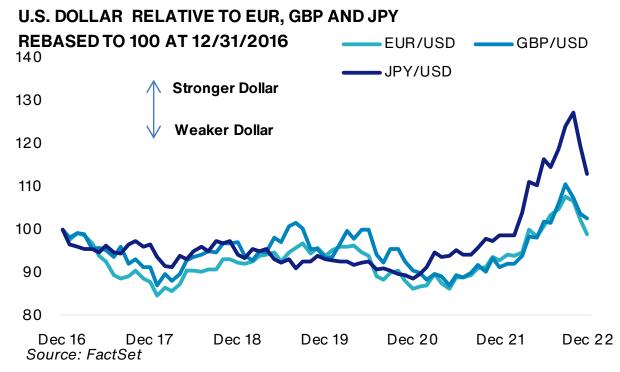
Spread (bps)	12/31/2022	9/30/2022	6/30/2022	Quarterly Change (bps)	YTD Change (bps)
U.S. Aggregate	51	62	36	-11	15
Long Gov't	2	1	0	1	2
Long Credit	157	196	130	-39	27
Long Gov't/Credit	87	107	74	-20	13
MBS	51	69	31	-18	20
CMBS	120	105	68	15	52
ABS	76	53	38	23	38
Corporate	130	159	92	-29	38
High Yield	469	552	283	-83	186
Global Emerging Markets	332	403	285	-71	47

- Credit markets rose amid risk-taking sentiment during the quarter, with spreads generally narrowing.
- High Yield and Global Emerging Markets spreads narrowed by 83bps and 71bps respectively while ABS and CMBS spreads widened by 23bps and 15bps, respectively.



#### Currency





- The U.S. Dollar weakened against all major currencies over the quarter as the combination of weakening US growth and falling inflation led to expectations that the Fed would cut policy rates this year faster than previously anticipated. On a trade-weighted basis, the U.S. dollar depreciated by 4.8%.
- Sterling appreciated by 7.2% against the U.S. dollar. The Bank of England (BoE) raised its benchmark interest rate by 125bps to 3.5% over the quarter, its highest level since 2008. The central bank expects inflation could touch 10.9% in Q4 2022. The BoE became the first major central bank to actively start to unwind quantitative easing as it sold £750mn of government bonds. The BoE plans to trim its balance sheet by £80bn over the year.
- The U.S. dollar depreciated by 8.2% against the Euro and by 8.8% against the yen. The Bank of Japan (BoJ) unexpectedly changed its yield curve control policy by increasing the acceptable band of its 10-year government bond yields from plus or minus 0.25% to 0.5% around its target rate of zero. The BoJ made a series of government bond purchases to maintain the target band as yields rose across the curve following the announcement.



#### **Commodities**



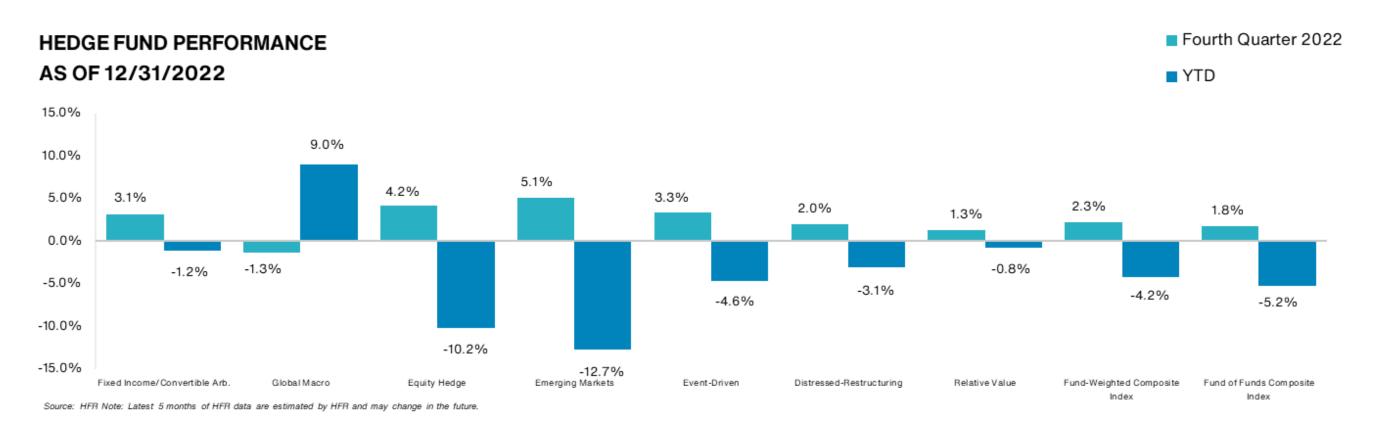
Source: Bloomberg Note: Softs and Grains are part of the wider Agriculture sector

- Commodity prices rose over the quarter with the Bloomberg Commodity Index rising by 2.2% for quarter.
- The energy sector fell 9.1% over the quarter but has risen by 36.2% on a year-to-date basis. The price of WTI crude oil was up by 1.0% to U.S.\$80/BBL.
- Industrial Metals rose the most over the quarter at 16.4%.
- Meanwhile, OPEC+ agreed to cut 2m barrels a day in oil production in an attempt to keep oil prices from falling due to weaker global demand. This cut is equivalent to 2% of global supply and threatens to further increase inflationary pressures across the globe.

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#### **Hedge Funds Market Overview**



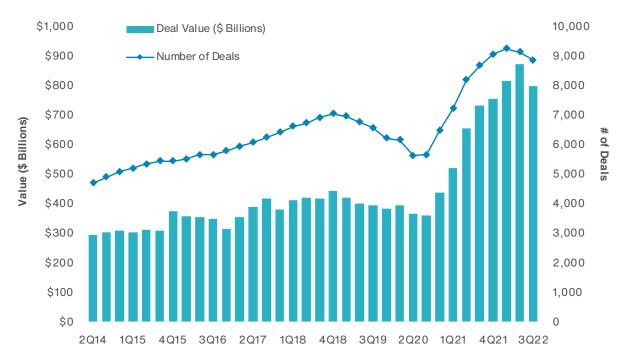
- Hedge fund performance was generally positive over the guarter.
- The HFRI Fund-Weighted Composite and HFRI Fund of Funds Composite Index produced returns of 2.3% and 1.8% over the quarter, respectively.
- Over the quarter, Emerging Markets was the best performer with a return of 5.1%.
- Global Macro was the worst performer and the only strategy with a negative return (-1.3%) over the quarter.

• On a year-to-date basis, Global Macro has outperformed all other strategies whilst Emerging Markets have performed the worst. Past performance is no guarantee of future results. Indices cannot be invested in directly. Unmanaged index returns assume reinvestment of any and all distributions and do not reflect fees and expenses. Please see appendix for index definitions and other general disclosures.



#### **Private Equity Market Overview – 3Q 2022**

#### LTM Global Private Equity-Backed Buyout Deal Volume



Source: Pregin

- Fundraising: During 3Q 2022, \$231.6 billion was raised by 485 funds, which was down 22.3% by number of funds raised and down by 18.7% by capital raised compared to 2Q 2022. This represented an increase of 6.8% on a capital basis compared to 3Q 2021. Dry powder stood at \$3.0 trillion at the end of the quarter, an increase of 1.3% and 43.3% compared to 2Q 2022 and the five-year average, respectively.1
- Buyout: Global private equity-backed buyout deals totaled \$93.6 billion in 3Q 2022, which was a decrease on a capital basis of 64.8% compared to 2Q 2022 and a decrease of 31.2% compared to the five-year quarterly average.¹ During the quarter, the average purchase price multiple for all U.S. LBOs was 11.7x EBITDA, up slightly from 2Q 2022's average of 11.5x and up from the five-year average (11.1x). Large-cap purchase price multiples stood at 11.7x during the quarter, up compared to full-year 2021's level of 11.2x. The LTM average purchase price multiple across European transactions greater than €1B averaged 10.5x EBITDA at the end of 3Q 2022, down from 11.3x at the end of 2Q 2022. Purchase prices for transactions of €500M million or more averaged 10.2x EBITDA on an LTM basis, lower than the 11.2x seen at the end of 2Q 2022.2 Globally, exit value totaled \$67.8 billion on 298 deals during the quarter, lower than the \$125.2 billion across 348 deals during 2Q 2022.¹
- Venture: During the quarter, an estimated 3,076 U.S. venture-backed transactions totaling \$43.0 billion were completed, which was a decrease on a capital value and deal count basis over the prior quarter's total of \$71.9 billion across 4,055 deals. This was also a decrease of 14.2% compared to the five-year quarterly average of \$50.2 billion. Total U.S. venture-backed exit value totaled approximately \$14.0 billion across an estimated 302 completed transactions in 3Q 2022, down substantially from \$192.6 billion across 475 exits in 3Q 2021.<sup>3</sup>
- **Mezzanine:** 12 funds closed on \$28.7 billion during the quarter. This was a significant increase from the prior quarter's total of \$3.8 billion raised by 7 funds and also a significant increase from the \$3.8 billion raised by 15 funds in 3Q 2021. Estimated dry powder was \$70.5 billion at the end of 3Q 2022, up from \$50.6 billion at the end of 2Q 2022.

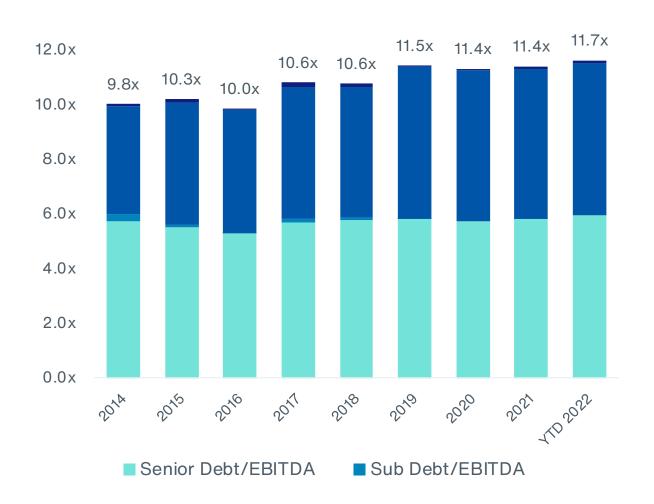
Sources: 1 Preqin 2 Standard & Poor's 3 PitchBook/NVCA Venture Monitor 4 Fitch Ratings

Notes: FY=Fiscal year ended 12/31; YTD=Year to date; LTM=Last 12 months (aka trailing 12 months); PPM=Purchase Price Multiples: Total Purchase Price ÷ EBITDA.



#### **Private Equity Market Overview – 3Q 2022**

#### **U.S. LBO Purchase Price Multiples - All Transactions Sizes**



- **Distressed Debt:** The YTD U.S. high-yield default rate was 1.2% as of October 2022. Fitch predicted the TTM default rate may rise to 1.5%-1.75% by year-end 2022. The high-yield default rate is projected to trend higher through 2023.<sup>4</sup> During the quarter, \$16.6 billion was raised by 15 funds, down significantly from the \$29.4 billion raised by 17 funds during 2Q 2022. Dry powder was estimated at \$153.3 billion at the end of 3Q 2022, which was down 4.4% from 2Q 2022. This remained above the five-year annual average level of \$129.4 billion.<sup>1</sup>
- **Secondaries:** 5 funds raised \$5.5 billion during the quarter, down from the \$13.8 billion raised by 17 funds in 2Q 2022. This was 50.6% lower than the five-year quarterly average of \$11.2 billion. Secondary dry powder was estimated at \$127.8 billion at the end of the quarter.<sup>1</sup>
- Infrastructure: \$33.8 billion of capital was raised by 34 funds in 3Q 2022 compared to \$40.1 billion of capital raised by 59 partnerships in 2Q 2022. At the end of the quarter, dry powder stood at \$298.8 billion, down from 2Q 2022's total of \$319.5 billion. Infrastructure managers completed 1999 deals for an aggregate deal value of \$304.4 billion through 3Q 2022 compared to 2,489 deals totaling \$530.6 billion in 2021.1
- Natural Resources: Through 3Q 2022, an estimated 19 funds closed on \$3.8 billion compared to 29 funds totaling \$13.0 billion in 2021. Energy and utilities industry managers completed 59 deals totaling \$12.3 billion in 3Q 2022, compared to \$11.6 billion across 53 deals in 2Q 2022.<sup>1</sup>



#### **Nebraska Investment Council**



### **Total NIC Portfolios - Highlights**

As of December 31, 2022

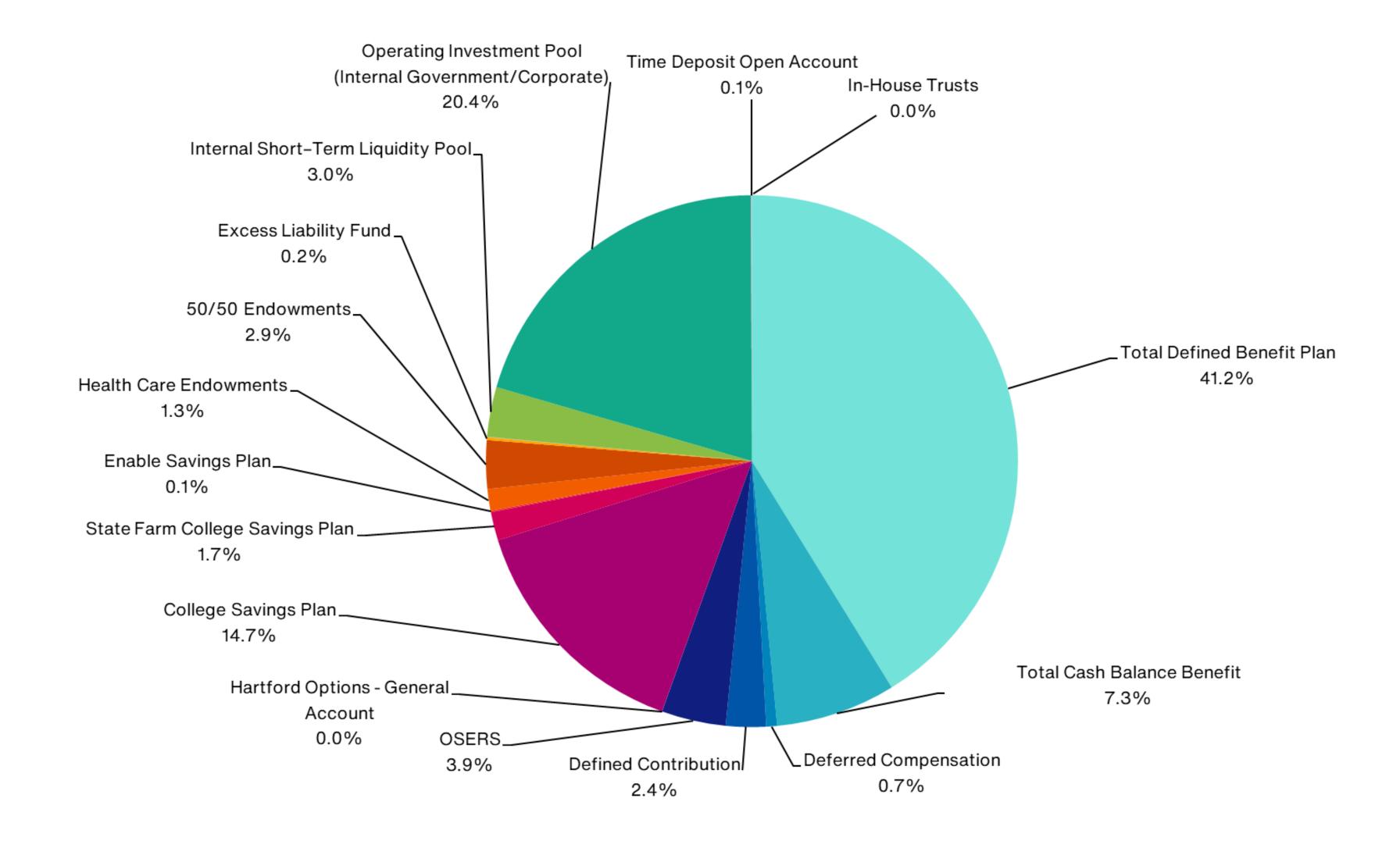
Total Assets by Asset Pool	
Total Defined Benefit Plan	\$14,889,496,385
Total Cash Balance Benefit	\$2,635,310,746
Deferred Compensation	\$236,451,579
Defined Contribution	\$880,109,286
OSERS	\$1,412,143,592
Hartford Options - General Account	\$4,104,410
College Savings Plan	\$5,312,565,729
State Farm College Savings Plan	\$623,261,572
Enable Savings Plan	\$28,994,826
Health Care Endowments	\$479,501,169
50/50 Endowments	\$1,064,434,021
Excess Liability Fund	\$61,053,216
In-House Trusts	\$8,049,257
Internal Short-Term Liquidity Pool	\$1,096,441,114
Operating Investment Pool (Internal Government/Corporate)	\$7,388,155,824
Time Deposit Open Account	\$22,388,380
Total Assets	\$36,142,461,105

			Performance %		
	1	1	3	5	10
	Quarter	Year	Years	Years	Years
Major Capital Markets					
Dow Jones U.S. Total Stock Market Index	7.2	-19.5	6.9	8.7	12.0
MSCI AC World ex USA Index (Net)	14.3	-16.0	0.1	0.9	3.8
Bloomberg Universal	2.2	-13.0	-2.5	0.2	1.3
CPI	0.0	6.5	4.9	3.8	2.6



## **Total Assets by Asset Pool**

## As of December 31, 2022





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#### **Total Plan Performance Summary**

As of December 31, 2022





Nebraska Investment Council

As of December 31, 2022

	Al	location					Performance S	%		
	Market Value \$	%	Policy %	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Total Defined Benefit Plan	\$14,889,496,385	100.0	100.0	6.7 (11)	-11.8 (56)	5.0 (36)	5.7 (34)	7.9 (11)	8.8 (-)	07/01/1983
Policy Benchmark				6.3 (16)	-14.7 (89)	3.4 (82)	4.9 (59)	7.3 (44)	8.7 (-)	
Total U.S. Equity	\$3,833,772,996	25.7	27.0	7.6 (44)	-18.6 (59)	7.4 (28)	8.8 (22)	12.2 (17)	9.8 (-)	07/01/1983
Dow Jones U.S. Total Stock Market				7.2 (65)	-19.5 <i>(75)</i>	6.9 (44)	8.7 (29)	12.0 (19)	10.5 (-)	
DFA	\$404,852,965	2.7		10.3 (27)	-13.2 (19)	7.4 (35)	5.7 (61)	10.3 (55)	11.1 (26)	10/01/1996
Russell 2000 Index*				6.2 (88)	-20.4 (76)	3.1 (82)	4.1 (83)	8.7 (82)	8.8 (88)	
BlackRock Russell 1000 Index	\$3,428,920,031	23.0		7.2 (70)	-19.2 (77)	7.4 (39)	9.2 (36)	12.4 (28)	8.4 (35)	10/01/2007
Russell 1000 Index				7.2 (70)	-19.1 (76)	7.3 (40)	9.1 (36)	12.4 (29)	8.4 (37)	
Total Non-U.S. Equity	\$1,573,112,556	10.6	11.5	14.2 (56)	-16.4 (39)	0.4 (70)	1.1 (84)	4.8 (72)	5.3 (-)	10/01/1991
MSCI All Country World ex-U.S. IMI*				14.1 (56)	-16.6 (41)	0.2 (71)	0.8 (85)	4.0 (99)	5.4 (-)	
BlackRock ACWI ex-U.S. IMI Index	\$1,573,112,556	10.6		14.2 (68)	-16.4 (43)	0.4 (57)	1.1 (56)	-	1.6 (52)	12/01/2017
MSCI AC World ex USA IMI (Net)				14.1 (68)	-16.6 (44)	0.2 (60)	0.8 (60)	-	1.3 (59)	
Total Global Equity	\$2,877,918,817	19.3	19.0	13.9 (23)	-12.6 (34)	6.3 (19)	6.4 (31)	8.9 (33)	7.7 (27)	09/01/2005
MSCI All Country World IMI*				9.8 (62)	-18.4 (54)	3.9 (50)	5.0 (54)	7.9 (56)	6.4 (54)	
MFS	\$897,769,897	6.0		13.0 (30)	-17.3 (50)	3.6 (55)	5.8 (39)	9.0 (30)	8.4 (12)	10/01/2005
MSCI All Country World IMI*				9.8 (62)	-18.4 (54)	3.9 (50)	5.0 (54)	7.9 (56)	6.2 (53)	
Arrowstreet	\$966,389,357	6.5		14.9 (16)	-12.1 (33)	8.8 (8)	7.9 (12)	-	11.2 (8)	09/01/2016
MSCI AC World IMI (Net)				9.8 (62)	-18.4 (54)	3.9 (50)	5.0 (54)	-	7.8 (47)	
Wellington Equity	\$304,565,201	2.0		11.2 (52)	-14.5 (32)	5.5 (51)	4.4 (38)	-	8.1 (17)	09/01/2016
MSCI AC World Small Cap (Net)				10.4 (65)	-18.7 <i>(35)</i>	3.2 (80)	3.2 (59)	-	6.6 (54)	
Dodge & Cox	\$709,079,623	4.8		14.7 (15)	-6.1 (16)	6.4 (20)	5.5 (36)	-	6.7 (42)	07/01/2017
MSCI AC World IMI (Net)				9.8 (57)	-18.4 (50)	3.9 (48)	5.0 (46)	-	6.6 (44)	



As of December 31, 2022

	Al	llocation					Performance %	<b>6</b>		
	Market Value \$	%	Policy %	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Total Fixed Income	\$4,367,852,996	29.3		2.5 (11)	-11.7 (43)	-1.9 (68)	0.5 (73)	1.6 (64)	7.0 (-)	07/01/1983
DB/CBB Total Fixed Income Custom Benchmark				2.8 (7)	-12.8 (61)	-2.5 (80)	0.2 (82)	1.4 (80)	6.9 (-)	
Total Core Fixed Income	\$2,876,390,665	19.3	20.0	2.0 (47)					-4.2 (71)	05/01/2022
Blmbg. U.S. Aggregate				1.9 (53)	-	-	-	-	-3.9 (62)	
BlackRock Aggregate Bond Index	\$695,465,470	4.7		1.7 (62)	-13.0 (37)	-2.7 (70)	0.0 (72)	1.1 (65)	3.1 (65)	02/01/2006
Blmbg. Barc. Aggregate Bond Index				1.9 (37)	-13.0 (36)	-2.7 (70)	0.0 (70)	1.1 (70)	3.0 (73)	
BlackRock Core Plus Universal	\$735,291,281	4.9		2.1 (49)	-13.8 (68)	-2.6 (76)	0.1 (77)	1.4 (65)	4.6 (35)	04/01/1998
BlackRock Core Plus Benchmark				1.9 (63)	-13.2 (47)	-2.6 (76)	0.1 (75)	1.3 (72)	4.3 (58)	
PIMCO	\$703,689,447	4.7		2.1 (42)	-14.0 (75)	-2.1 (52)	0.6 (37)	1.6 (51)	4.9 (19)	04/01/1998
PIMCO Core Plus Benchmark				1.9 (63)	-13.1 (46)	-2.6 (75)	0.2 (75)	1.3 (71)	4.3 (57)	
Baird	\$741,453,940	5.0		2.2 (42)	-	-	-	-	-3.9 (29)	05/01/2022
Blmbg. U.S. Aggregate				1.9 (63)	-	-	-	-	-3.9 (31)	
Opportunistic Cash and Int Rec	\$26,530	0.0								
Contributions and Withdrawals	\$12,876	0.0								
Total Return Seeking Fixed Income	\$1,491,462,331	10.0	10.0	3.5 (9)					-3.3 (50)	05/01/2022
DB/CBB Custom RS FI Benchmark				4.6 (6)	-	-	-	-	-2.7 (47)	
Loomis Sayles	\$513,208,269	3.4		2.6 (21)	-12.1 (20)	0.3 (6)	2.0 (4)	3.8 (1)	5.8 (1)	07/01/2006
Loomis Sayle Custom Benchmark				2.2 (36)	-11.5 (18)	-2.0 (43)	0.5 (47)	1.5 (56)	3.8 (46)	
PIMCO DIV INC	\$501,436,033	3.4		4.7 (6)	-	-	-	-	-2.8 (48)	05/01/2022
PIMCO DIV INC Custom Benchmark				4.9 (6)	-	-	-	-	-3.1 (49)	
Barings	\$450,409,101	3.0		6.7 (2)	-	-	-	-	0.5 (28)	05/01/2022
Barings Primary Benchmark				2.1 (21)	-	-	-	-	4.9 (1)	
Barings Secondary Benchmark				3.3 (12)	-		<u>-</u>	-	-2.3 (41)	
Franklin Templeton	\$19,686,833	0.1		4.3 (1)	-5.1 (98)	-0.1 (100)	1.0 (100)	-	2.1 (98)	07/01/2014
Credit Suisse Leveraged Loan (Split BB)				3.5 (1)	0.7 (9)	2.2 (30)	3.0 (25)	-	3.3 (19)	
Opportunistic Fixed Income - PIMCO Bravo II	\$6,565,320	0.0								



As of December 31, 2022

	Al	location					Performance <sup>c</sup>	%		
	Market Value \$	%	Policy %	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Total Real Estate	\$1,070,500,787	7.2	7.5	-1.6	9.3	9.4	7.8	9.2	7.2	12/01/2004
Performance Benchmark				-5.2	6.5	9.0	7.7	8.9	8.7	
CB Richard Ellis Strategic	\$163,700	0.0								
Prudential PRISA I	\$200,085,067	1.3								
UBS Real Estate	\$102,913,089	0.7								
Rockwood Capital Real Estate Fund IX	\$2,991,108	0.0								
Prudential PRISA II	\$98,680,130	0.7								
Five Arrows Realty	\$33,877	0.0								
RockPoint Fund III	\$601,194	0.0								
Landmark Real Estate VI	\$110,549	0.0								
_andmark Real Estate VII	\$7,192,600	0.0								
AG Realty Fund VIII	\$3,424,065	0.0								
JBS Trumbull Property Income	\$141,681,718	1.0								
Almanac Realty Securities VII	\$19,712,164	0.1								
Torchlight IV	\$1,561,756	0.0								
Torchlight V	\$3,479,277	0.0								
Rockwood Capital Real Estate Fund X	\$22,305,333	0.1								
_andmark Real Estate VIII	\$18,161,284	0.1								
Forchlight VI	\$24,618,989	0.2								
Almanac Realty Securities VIII	\$18,868,595	0.1								
Clarion Lion Properties Fund	\$278,586,711	1.9								
Rockwood Capital Real Estate Fund XI	\$26,820,261	0.2								
Forchlight Debt Opportunity	\$22,505,901	0.2								
Kayne Anderson RE VI	\$8,673,584	0.1								
Prime Property Fund LLC	\$41,241,238	0.3								
Real Estate Cash	\$21,130,156	0.1								



As of December 31, 2022

	Al	location					Performance '	%		
	Market Value \$	%	Policy %	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Total Private Equity	\$1,147,429,524	7.7	5.0	2.6	12.6	25.6	21.1	17.2	8.5	09/01/2005
Dow Jones U.S. Total Stock Market + 3%				8.0	-17.1	10.1	11.9	15.4	12.1	
Abbott Capital	\$1,811,988	0.0								
Pathway	\$3,638,704	0.0								
Sun Capital	\$1,790,584	0.0								
Dover Street VIII	\$2,464,392	0.0								
CMEA Ventures VII	\$3,927,358	0.0								
New Mountain Partners III	\$893,048	0.0								
New Mountain Partners IV	\$8,118,378	0.1								
Citigroup Venture Capital International	\$2,774,918	0.0								
Resolute Fund III	\$11,924,228	0.1								
BridgePoint Europe IV	\$3,738,706	0.0								
luantum Energy Partners V	\$1,091,435	0.0								
uantum Energy Partners VI	\$38,041,678	0.3								
VC European Equity Partners VI	\$14,971,775	0.1								
VC European Equity Partners V	\$685,332	0.0								
ulcrum Growth Partners IV	\$1,299,829	0.0								
res Corporate Opp Fund III	\$261,158	0.0								
res Corporate Opp Fund IV	\$6,390,528	0.0								
ew Enterprise Associates 13	\$4,364,217	0.0								
lew Enterprise Associates 14	\$27,452,250	0.2								
incolnshire Equity Partners IV	\$4,744,887	0.0								
ongroad Capital Partners LP	\$53,871	0.0								
lerit Mezzanine Fund V	\$2,026,832	0.0								
res Mezzanine Fund Partners	\$53,959	0.0								
ightyear Fund III	\$1,442,928	0.0								
IF U.S. Power Fund IV	\$8,391,273	0.1								
IcCarthy Capital Fund V	\$5,851,515	0.0								
reen Equity Investors VI	\$17,161,661	0.1								
Vayzata Opp Fund III	\$2,711,013	0.0								
eeker Petty O'Keefe & Co. IV	\$11,922,982	0.1								



As of December 31, 2022

	Al	location					Performance 9	%		
	Market Value \$	%	Policy %	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Pine Brook Capital Partners II	\$21,859,687	0.1								
EMG III LP	\$16,259,980	0.1								
Francisco Partners IV	\$16,769,698	0.1								
Wynnchurch Capital Partners IV	\$27,697,860	0.2								
BridgePoint Europe V	\$11,387,462	0.1								
McCarthy Capital Fund VI	\$61,076,520	0.4								
Dover Street IX	\$26,943,607	0.2								
Green Equity Investors VII	\$55,176,293	0.4								
Quantum Energy Investors VII	\$42,131,438	0.3								
Ares Corporate Opp Fund V	\$42,878,986	0.3								
Genstar Cap Ptr VIII L.P.	\$72,292,874	0.5								
New Mountain Partners V	\$73,785,618	0.5								
Francisco Partners V	\$56,148,783	0.4								
Resolute Fund IV	\$64,424,722	0.4								
BridgePoint Europe VI	\$42,516,342	0.3								
Genstar Cap Ptr IX LP	\$54,934,236	0.4								
New Enterprise Associates 17	\$34,458,707	0.2								
Dover Street X	\$31,589,219	0.2								
Wynnchurch Capital Partners V	\$28,308,161	0.2								
New Mountain Partners VI	\$26,240,058	0.2								
Resolute Fund V	\$56,756,786	0.4								
New Enterprise Associates 18	\$8,905,962	0.1								
Private Equity Cash	\$119,018,744	0.8								
Total Cash	\$18,908,710	0.1	0.0							
STIF	\$18,908,710	0.1								

The Inception-to-Date IRR for Real Estate is 7.6% as of 9/30/2022. The Inception-to-Date IRR for Private Equity is 14.8% as of 9/30/2022. \*Denotes a performance benchmark that is a splice of more than one index. Descriptions can be found in the appendix of this report.



The Private Equity asset class returns are time-weighted.

As of December 31, 2022

					Perform	ance %				
	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Total Defined Benefit Plan	-11.8 (56)	16.6 (36)	12.7 (28)	19.0 (18)	-4.2 (62)	16.6 (24)	8.6 (18)	1.1 (17)	6.9 (22)	18.3 (19)
Policy Benchmark	-14.7 (89)	13.8 (69)	14.0 (12)	21.0 (6)	-4.8 (75)	16.3 (28)	8.2 (23)	0.3 (37)	6.9 (22)	17.4 (29)
Total U.S. Equity	-18.6 (59)	26.6 (29)	20.2 (36)	30.5 (35)	-5.5 (41)	20.5 (41)	13.3 (36)	0.6 (30)	12.2 (31)	34.1 (44)
Dow Jones U.S. Total Stock Market	-19.5 (75)	25.7 (38)	20.8 (30)	30.9 (29)	-5.3 (39)	21.2 (32)	12.6 (53)	0.4 (40)	12.5 (21)	33.5 (55)
DFA	-13.2 (19)	28.1 (26)	11.5 (74)	21.7 (75)	-12.3 (68)	12.0 (77)	24.2 (24)	-2.6 (60)	4.6 (60)	42.0 (35)
Russell 2000 Index*	-20.4 (76)	14.8 (85)	20.0 (37)	25.5 (49)	-11.0 (56)	14.6 (53)	21.3 (40)	-4.4 (77)	5.6 (53)	34.5 (84)
BlackRock Russell 1000 Index	-19.2 (77)	26.5 (55)	21.1 (25)	31.5 (27)	-4.7 (39)	21.6 (48)	12.1 (23)	1.0 (51)	13.2 (41)	33.1 (40)
Russell 1000 Index	-19.1 (76)	26.5 (56)	21.0 (26)	31.4 (27)	-4.8 (40)	21.7 (46)	12.1 (23)	0.9 (52)	13.2 (40)	33.1 (40)
Total Non-U.S. Equity	-16.4 (39)	8.7 (65)	11.3 (65)	22.0 (82)	-14.5 (73)	31.8 (10)	2.5 (82)	-1.3 (33)	-4.2 (91)	18.6 (43)
MSCI All Country World ex-U.S. IMI*	-16.6 (41)	8.5 (69)	11.1 (66)	21.6 (84)	-14.8 (82)	27.8 (74)	4.4 (41)	-4.6 (79)	-3.9 (88)	15.8 (79)
BlackRock ACWI ex-U.S. IMI Index	-16.4 (43)	8.7 (64)	11.3 (51)	22.0 (57)	-14.6 (43)	-	-	-	-	-
MSCI AC World ex USA IMI (Net)	-16.6 (44)	8.5 (65)	11.1 (52)	21.6 (60)	-14.8 (45)	-	-	-	-	-
Total Global Equity	-12.6 (34)	19.7 (35)	14.9 (52)	25.5 (59)	-9.7 (53)	24.9 (42)	7.7 (37)	-2.0 (60)	3.9 (48)	25.5 (54)
MSCI All Country World IMI*	-18.4 (54)	18.2 (48)	16.3 (47)	26.4 (52)	-10.1 (56)	23.9 (47)	8.4 (32)	-2.2 (63)	3.8 (48)	23.6 (63)
MFS	-17.3 (50)	17.6 (53)	14.2 (54)	31.1 (22)	-9.1 (47)	24.3 (45)	7.5 (39)	-0.9 (52)	4.7 (41)	29.1 (35)
MSCI All Country World IMI*	-18.4 (54)	18.2 (48)	16.3 (47)	26.4 (52)	-10.1 (56)	23.9 (47)	8.4 (32)	-2.2 (63)	3.8 (48)	23.6 (63)
Arrowstreet	-12.1 (33)	20.1 (31)	21.8 (29)	22.4 (74)	-6.9 (31)	27.0 (30)	-	-	-	-
MSCI AC World IMI (Net)	-18.4 (54)	18.2 (48)	16.3 (47)	26.4 (52)	-10.1 (56)	23.9 (47)	-	-	-	-
Wellington Equity	-14.5 (32)	20.2 (54)	14.1 (57)	22.7 (69)	-13.8 (41)	27.9 (27)	-	-	-	-
MSCI AC World Small Cap (Net)	-18.7 (35)	16.1 (85)	16.3 (52)	24.7 (66)	-14.4 (51)	23.8 (43)	-	-	-	-
Dodge & Cox	-6.1 (16)	21.3 (23)	6.0 (73)	23.9 (64)	-12.6 (71)	-	-	-	-	-
MSCI AC World IMI (Net)	-18.4 (50)	18.2 (44)	16.3 (45)	26.4 (49)	-10.1 (59)	-	-	-	-	-



As of December 31, 2022

	Performance %									
	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Total Fixed Income	-11.7 (43)	-0.2 (61)	7.1 (82)	8.5 (74)	0.0 (38)	5.0 (44)	4.9 (49)	0.0 (50)	5.1 (81)	-1.4 (49)
DB/CBB Total Fixed Income Custom Benchmark	-12.8 (61)	-1.1 (87)	7.6 (76)	9.3 (51)	-0.3 (50)	4.1 (72)	3.9 (73)	0.4 (31)	5.6 (73)	-1.3 (48)
Total Core Fixed Income										
Blmbg. U.S. Aggregate	-	-	-	-	-	-	-	-	-	-
BlackRock Aggregate Bond Index	-13.0 (37)	-1.6 (61)	7.7 (62)	8.8 (60)	-0.1 (45)	3.7 (56)	2.7 (60)	0.6 (43)	6.2 (33)	-1.9 (56)
Blmbg. Barc. Aggregate Bond Index	-13.0 (36)	-1.5 (57)	7.5 (68)	8.7 (66)	0.0 (33)	3.5 (66)	2.6 (65)	0.5 (50)	6.0 (47)	-2.0 (62)
BlackRock Core Plus Universal	-13.8 (68)	-1.1 (73)	8.3 (62)	9.6 (51)	-0.5 (44)	4.3 (59)	3.8 (64)	1.1 (7)	6.0 (41)	-1.4 (76)
BlackRock Core Plus Benchmark	-13.2 (47)	-1.1 (75)	7.6 (80)	9.3 (59)	-0.3 (31)	4.1 (68)	3.9 (60)	0.4 (27)	5.6 (58)	-1.3 (73)
PIMCO	-14.0 (75)	-0.4 (42)	9.4 (30)	10.0 (40)	0.1 (16)	5.6 (22)	4.6 (42)	-0.1 (51)	4.7 (81)	-1.5 (80)
PIMCO Core Plus Benchmark	-13.1 (46)	-1.1 (75)	7.6 (80)	9.3 (59)	-0.3 (31)	4.1 (68)	3.9 (60)	0.4 (27)	5.6 (58)	-1.3 (73)
Baird	-	-		-		-	-	-	-	-
Blmbg. U.S. Aggregate	-	-	-	-	-	-	-	-	-	-
Opportunistic Cash and Int Rec										
Contributions and Withdrawals										
Total Return Seeking Fixed Income	-	-	-	-	-	-	-	-	-	-
DB/CBB Custom RS FI Benchmark	-	-	-	-	-	-	-	-	-	-
Loomis Sayles	-12.1 (20)	0.6 (20)	14.1 (5)	10.2 (33)	-0.9 (57)	8.6 (2)	10.0 (4)	-2.8 (92)	8.3 (3)	4.7 (3)
Loomis Sayle Custom Benchmark	-11.5 (18)	-1.1 (75)	7.6 (80)	9.3 (59)	-0.3 (31)	4.1 (68)	3.9 (60)	0.4 (27)	5.6 (58)	-1.3 (73)
PIMCO DIV INC	-	-	-	-	-	-	-	-	-	-
PIMCO DIV INC Custom Benchmark	-	-	-	-	-	-	-	-	-	-
Barings	-	-	-	-	-	-	-	-	-	-
Barings Primary Benchmark	-	-	-	-	-	-	-	-	-	-
Barings Secondary Benchmark	-	-	-	-	-	-	-	-	-	-
Franklin Templeton	-5.1 (98)	6.3 (8)	-1.1 (96)	4.5 (94)	0.9 (12)	2.9 (94)	9.9 (27)	0.1 (49)	-	-
Credit Suisse Leveraged Loan (Split BB)	0.7 (9)	4.2 (72)	1.8 (59)	8.9 (27)	0.0 (64)	3.2 (88)	8.5 (58)	1.5 (19)	-	-
Opportunistic Fixed Income - PIMCO Bravo II										



## **Total Defined Benefit Plan**

As of December 31, 2022

		Performance %										
	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013		
Total Real Estate	9.3	19.5	0.2	4.0	6.9	7.3	10.8	14.2	11.7	9.6		
Performance Benchmark	6.5	21.0	0.3	4.4	7.4	6.7	7.8	13.3	11.8	11.0		

**CB Richard Ellis Strategic** 

Prudential PRISA I

**UBS Real Estate** 

**Rockwood Capital Real Estate Fund IX** 

**Prudential PRISA II** 

**Five Arrows Realty** 

**RockPoint Fund III** 

Landmark Real Estate VI

**Landmark Real Estate VII** 

**AG Realty Fund VIII** 

**UBS Trumbull Property Income** 

**Almanac Realty Securities VII** 

**Torchlight IV** 

Torchlight V

**Rockwood Capital Real Estate Fund X** 

Landmark Real Estate VIII

Torchlight VI

**Almanac Realty Securities VIII** 

**Clarion Lion Properties Fund** 

**Rockwood Capital Real Estate Fund XI** 

**Torchlight Debt Opportunity** 

Kayne Anderson RE VI

**Prime Property Fund LLC** 

**Real Estate Cash** 

Performance for individual private equity accounts are provided separately in the private equity performance report. Nebraska Investment Council



## **Total Defined Benefit Plan**

As of December 31, 2022

		Performance %										
	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013		
Total Private Equity	12.6	54.9	13.6	14.9	14.2	18.7	9.2	14.4	11.9	13.0		
Dow Jones U.S. Total Stock Market + 3%	-17.1	29.4	24.4	34.7	-2.4	24.7	16.0	3.5	15.8	37.4		

**Abbott Capital** 

Pathway

**Sun Capital** 

**Dover Street VIII** 

**CMEA Ventures VII** 

**New Mountain Partners III** 

**New Mountain Partners IV** 

**Citigroup Venture Capital International** 

**Resolute Fund III** 

**BridgePoint Europe IV** 

**Quantum Energy Partners V** 

**Quantum Energy Partners VI** 

**CVC European Equity Partners VI** 

**CVC European Equity Partners V** 

**Fulcrum Growth Partners IV** 

**Ares Corporate Opp Fund III** 

**Ares Corporate Opp Fund IV** 

**New Enterprise Associates 13** 

**New Enterprise Associates 14** 

Lincolnshire Equity Partners IV

**Longroad Capital Partners LP** 

**Merit Mezzanine Fund V** 

**Ares Mezzanine Fund Partners** 

Lightyear Fund III

**EIF U.S. Power Fund IV** 

**McCarthy Capital Fund V** 

**Green Equity Investors VI** 

Wayzata Opp Fund III

Beeker Petty O'Keefe & Co. IV

Pine Brook Capital Partners II

Performance for individual private equity accounts are provided separately in the private equity performance report. Nebraska Investment Council



## **Total Defined Benefit Plan**

As of December 31, 2022

					Perform	ance %				
	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
EMG III LP										
Francisco Partners IV										
Wynnchurch Capital Partners IV										
BridgePoint Europe V										
McCarthy Capital Fund VI										
Dover Street IX										
Green Equity Investors VII										
Quantum Energy Investors VII										
Ares Corporate Opp Fund V										
Genstar Cap Ptr VIII L.P.										
New Mountain Partners V										
Francisco Partners V										
Resolute Fund IV										
BridgePoint Europe VI										
Genstar Cap Ptr IX LP										
New Enterprise Associates 17										
Dover Street X										
Wynnchurch Capital Partners V										
New Mountain Partners VI										
Resolute Fund V										
New Enterprise Associates 18										
Private Equity Cash										
Total Cash										
STIF										

The Inception-to-Date IRR for Real Estate is 7.6% as of 9/30/2022. The Inception-to-Date IRR for Private Equity is 14.8% as of 9/30/2022. \*Denotes a performance benchmark that is a splice of more than one index. Descriptions can be found in the appendix of this report.

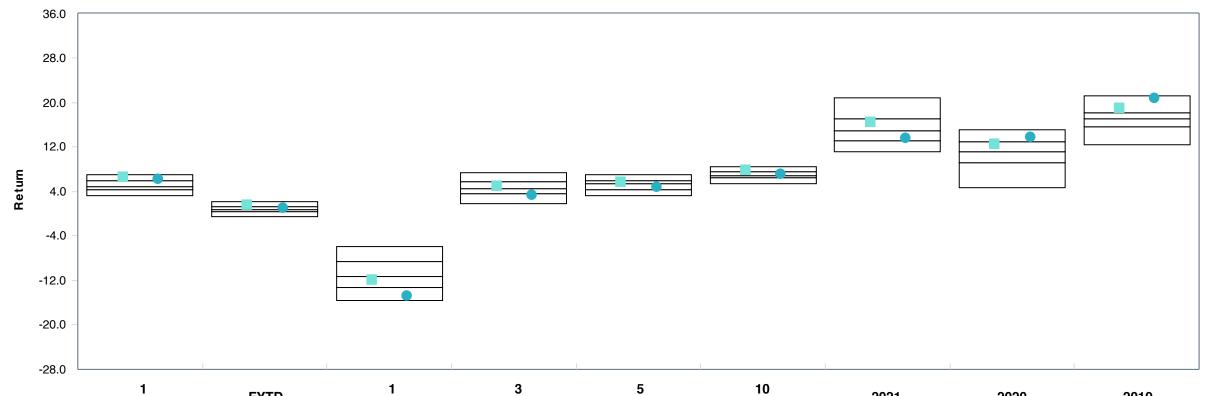
The Private Equity asset class returns are time-weighted.

Performance for individual private equity accounts are provided separately in the private equity performance report. Nebraska Investment Council



# Total Defined Benefit Plan - Peer Group Analysis (All Public Plans > \$1B)

As of December 31, 2022

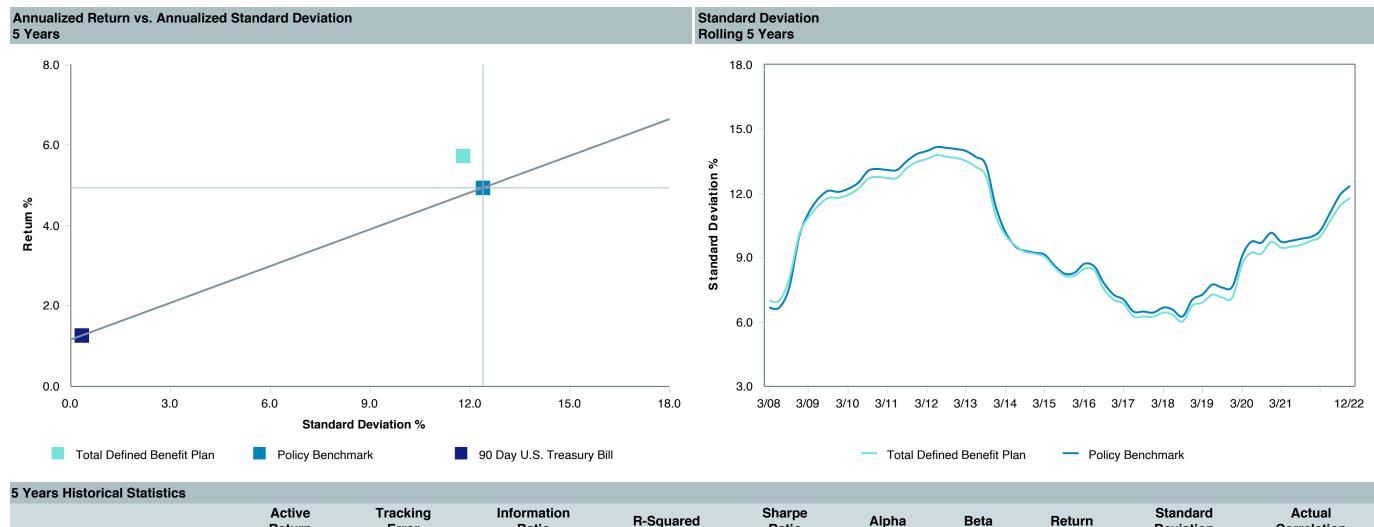


	1 Quarter	FYTD	1 Year	3 Years	5 Years	10 Years	2021	2020	2019
■ Total Defined Benefit Plan	6.7 (11)	1.6 (17)	-11.8 (56)	5.0 (36)	5.7 (34)	7.9 (11)	16.6 (36)	12.7 (28)	19.0 (18)
Policy Benchmark	6.3 (16)	1.1 (36)	-14.7 (89)	3.4 (82)	4.9 (59)	7.3 (44)	13.8 (69)	14.0 (12)	21.0 (6)
5th Percentile	7.1	2.2	-5.9	7.4	7.0	8.6	21.0	15.2	21.2
1st Quartile	6.0	1.3	-8.5	5.8	6.1	7.6	17.2	12.9	18.2
Median	5.0	0.8	-11.3	4.5	5.4	6.9	15.0	11.3	17.0
3rd Quartile	4.4	0.4	-13.3	3.7	4.4	6.5	13.2	9.2	15.6
95th Percentile	3.3	-0.6	-15.6	1.8	3.3	5.4	11.2	4.8	12.4
Population	68	68	63	58	55	51	134	158	154

Parentheses contain percentile rankings.



#### **Risk Profile Total Defined Benefit Plan**



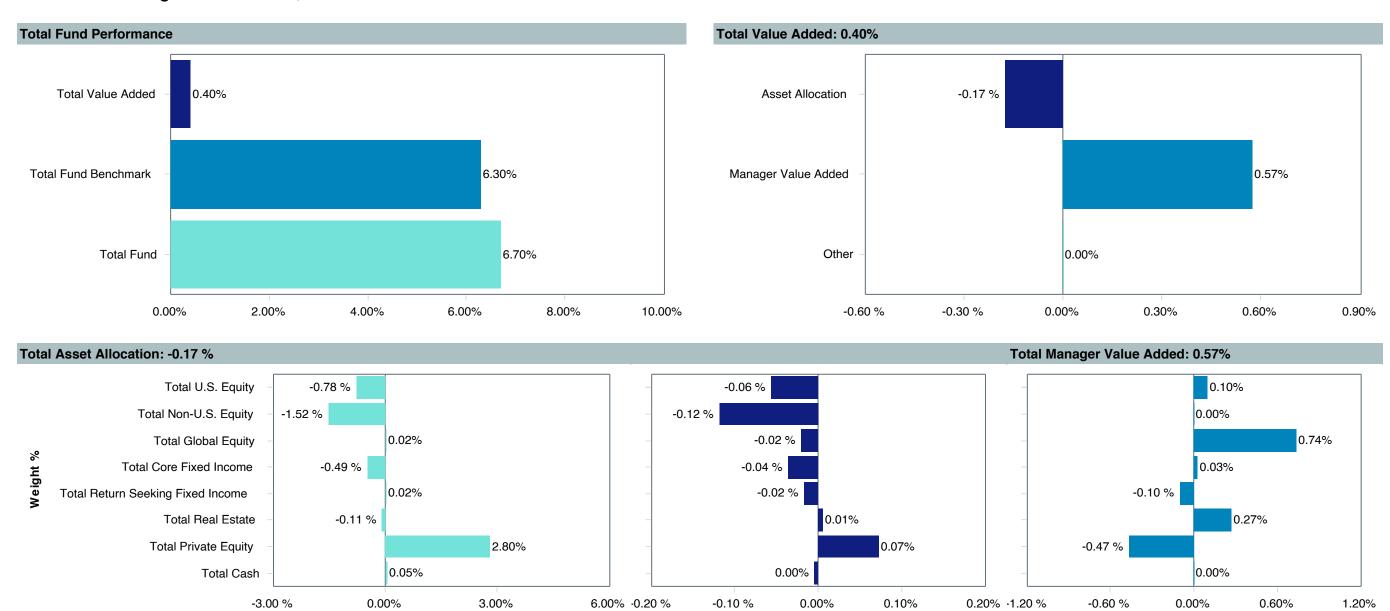
5 Years Historical Statistics	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
Total Defined Benefit Plan	0.68	1.42	0.48	0.99	0.42	0.98	0.95	5.74	11.79	0.99
Policy Benchmark	0.00	0.00	-	1.00	0.35	0.00	1.00	4.95	12.38	1.00
90 Day U.S. Treasury Bill	-4.34	12.46	-0.35	0.04	-	1.30	-0.01	1.26	0.34	-0.21



#### **Total Fund Attribution**

Average Active Weight

1 Quarter Ending December 31, 2022



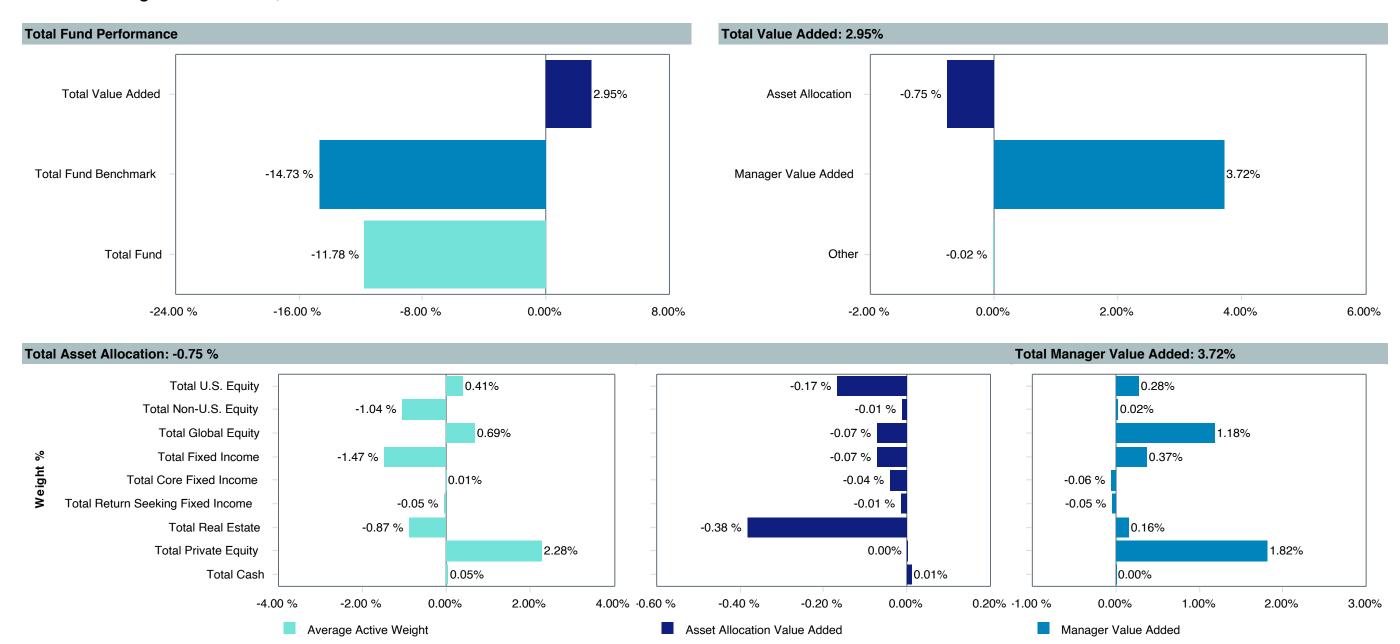
Asset Allocation Value Added



Manager Value Added

#### **Total Fund Attribution**

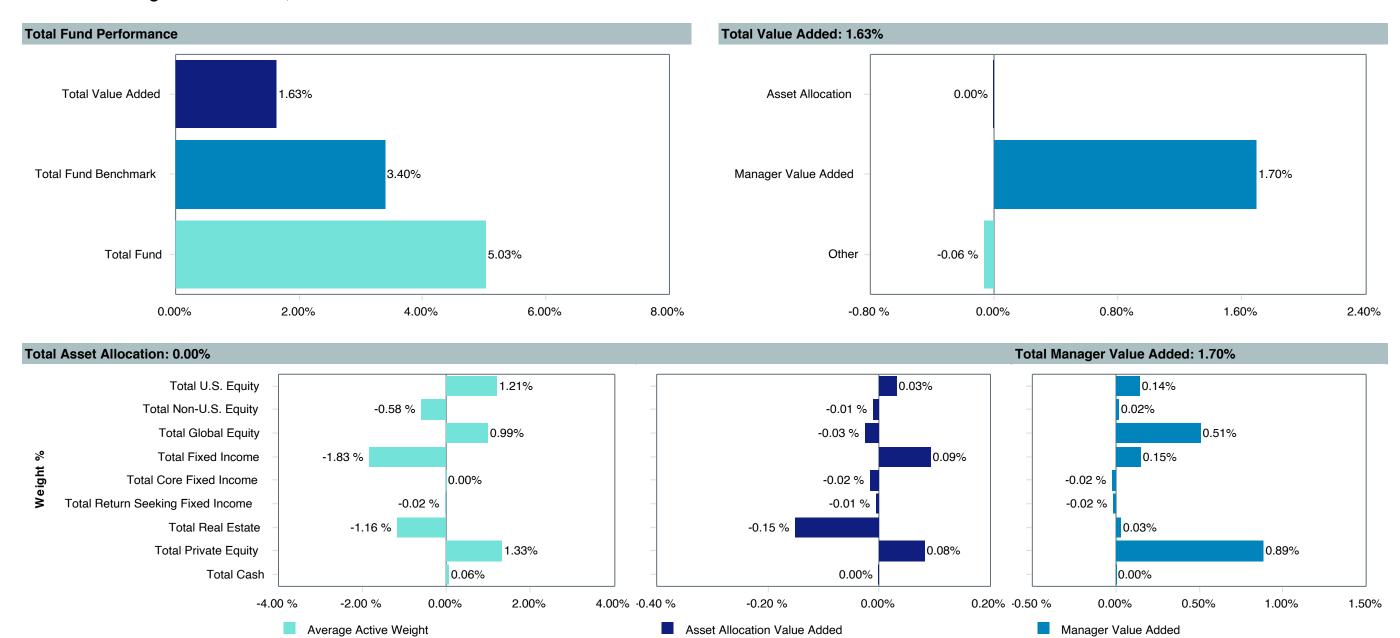
1 Year Ending December 31, 2022





#### **Total Fund Attribution**

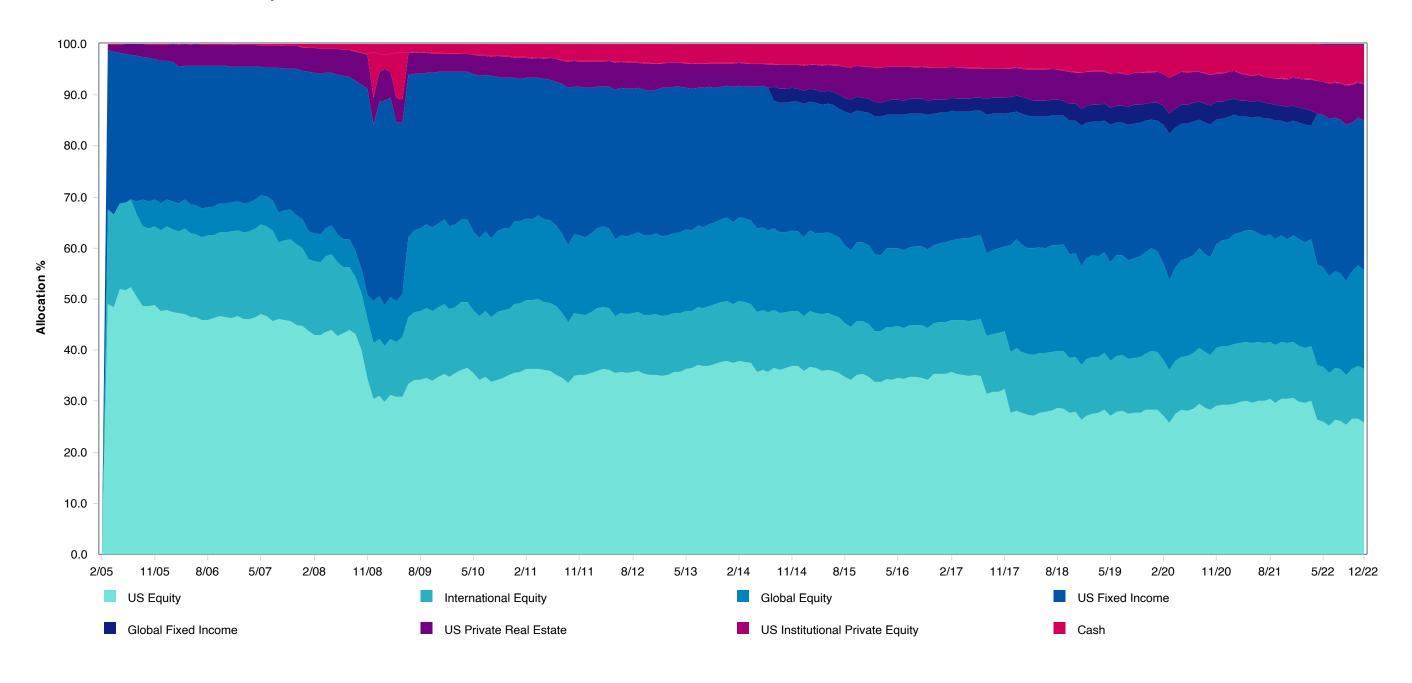
3 Years Ending December 31, 2022





## **Historical Asset Allocation**

Historical Asset Allocation by Asset Class

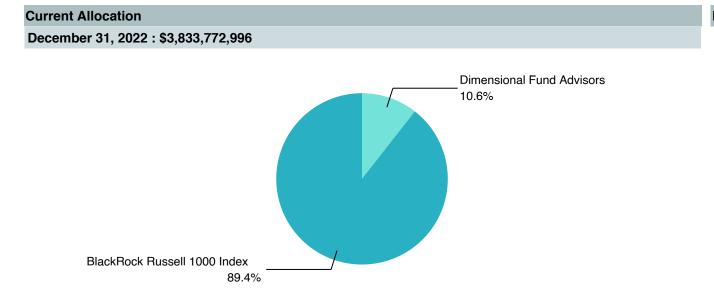


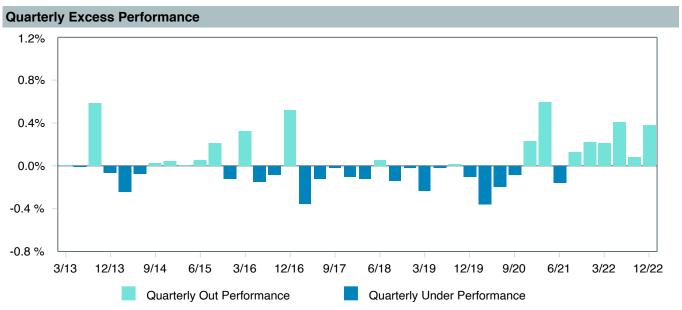


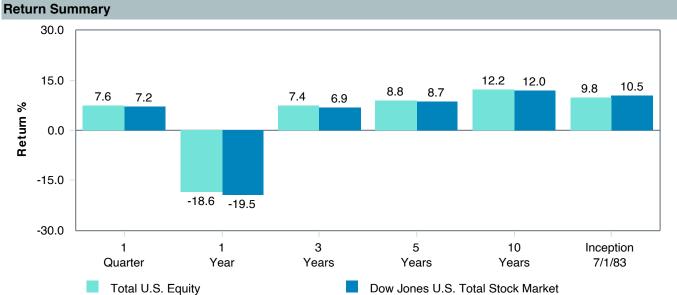
**Total U.S. Equity** 

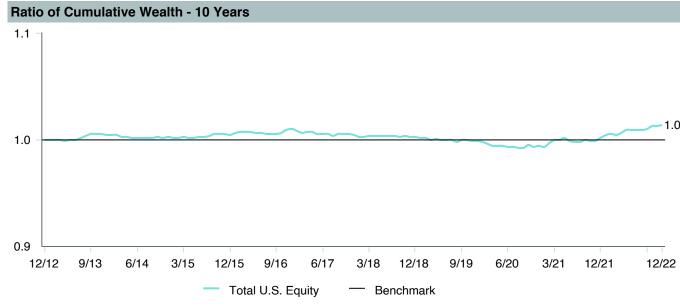


# **Composite Portfolio Overview Total U.S. Equity**





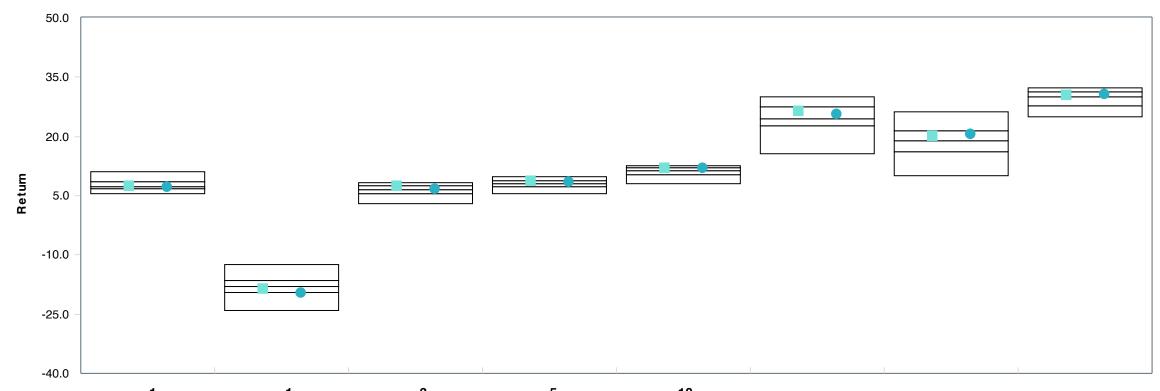






# **Total U.S. Equity**

As of December 31, 2022

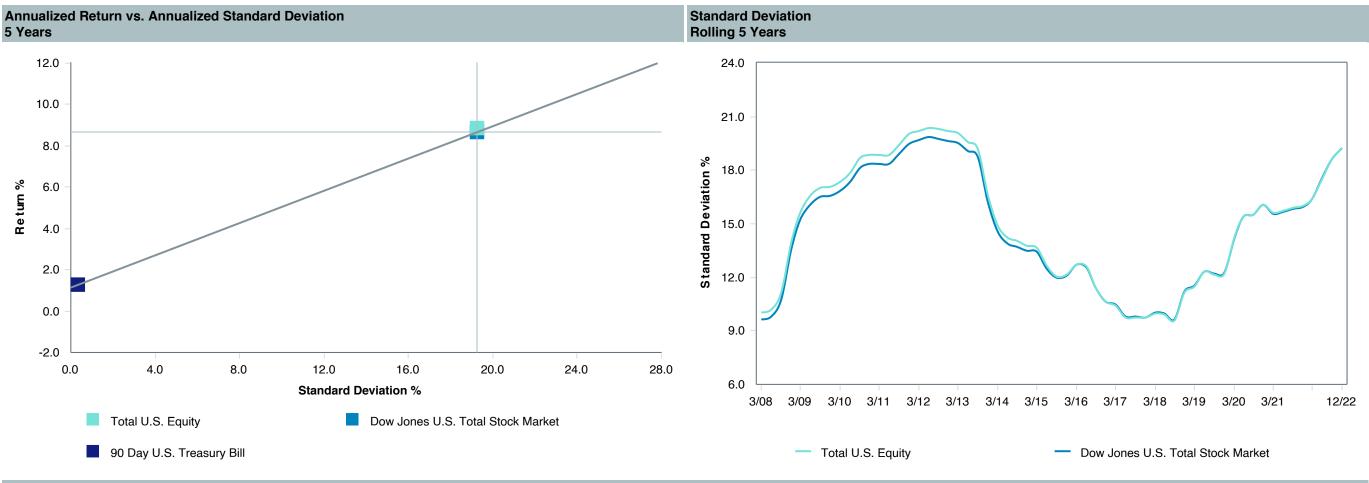


	1 Quarter	1 Year	3 Years	5 Years	10 Years	2021	2020	2019
■ Total U.S. Equity	7.6 (44)	-18.6 (59)	7.4 (28)	8.8 (22)	12.2 (17)	26.6 (29)	20.2 (36)	30.5 (35)
Dow Jones U.S. Total Stock Market	7.2 (65)	-19.5 (75)	6.9 (44)	8.7 (29)	12.0 (19)	25.7 (38)	20.8 (30)	30.9 (29)
5th Percentile	11.1	-12.6	8.3	9.7	12.6	30.0	26.4	32.2
1st Quartile	8.7	-16.4	7.6	8.7	12.0	27.5	21.5	31.2
Median	7.4	-17.9	6.5	8.1	11.4	24.3	18.9	30.1
3rd Quartile	6.9	-19.6	5.4	7.2	10.4	22.6	16.1	27.7
95th Percentile	5.4	-24.1	2.9	5.4	8.0	15.7	10.0	25.0
Population	54	52	46	44	34	56	55	52

Parentheses contain percentile rankings.



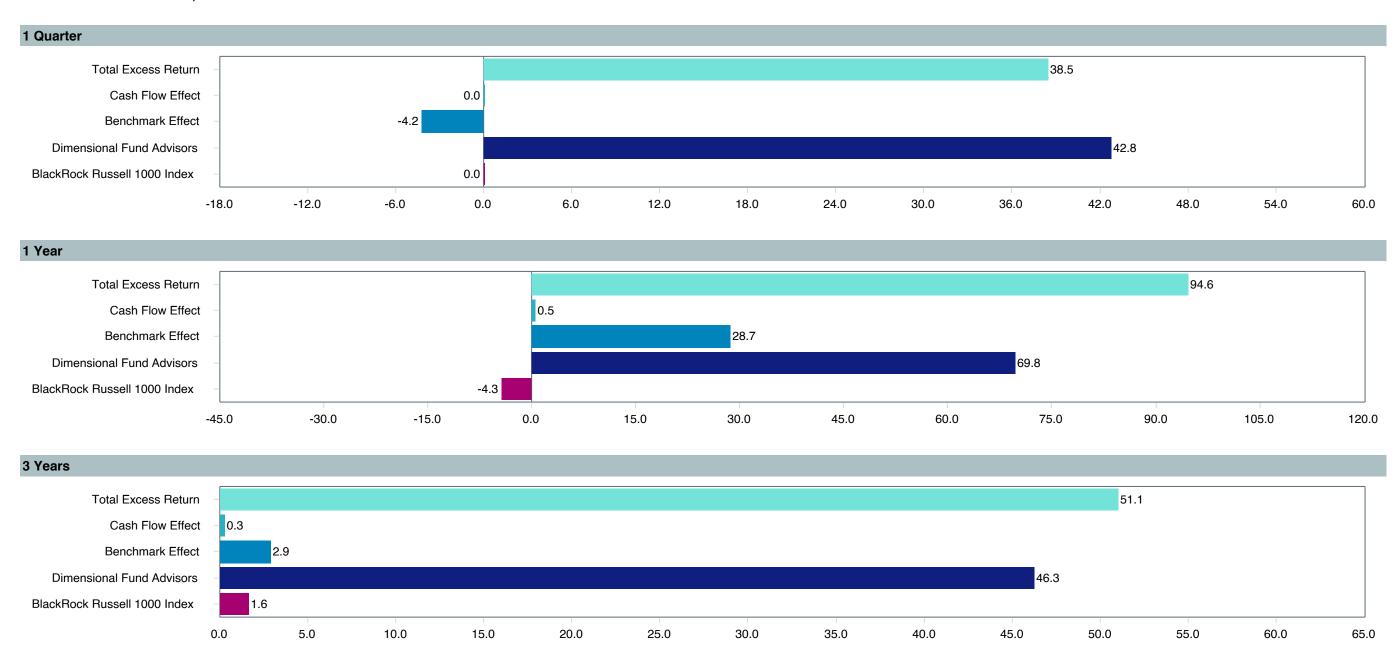
# **Risk Profile Total U.S. Equity**



5 Years Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
Total U.S. Equity	0.18	0.48	0.37	1.00	0.47	0.19	1.00	8.84	19.23	1.00
Dow Jones U.S. Total Stock Market	0.00	0.00	-	1.00	0.46	0.00	1.00	8.65	19.25	1.00
90 Day U.S. Treasury Bill	-8.91	19.34	-0.46	0.06	-	1.31	0.00	1.26	0.34	-0.25



#### **Asset Class Attribution**





# **Manager Performance Summary Dimensional Fund Advisors**

As of December 31, 2022

#### **Account Information**

Account Name: Dimensional Fund Advisors

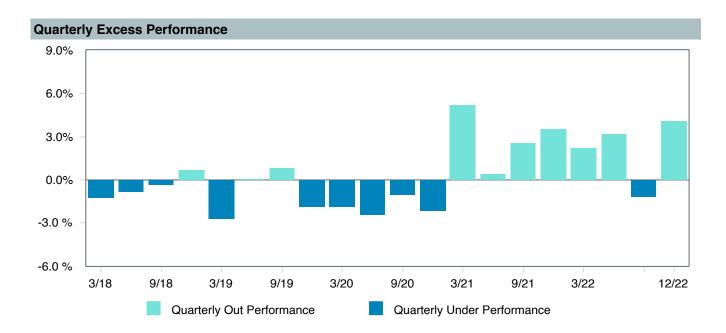
Inception Date: 10/01/1996

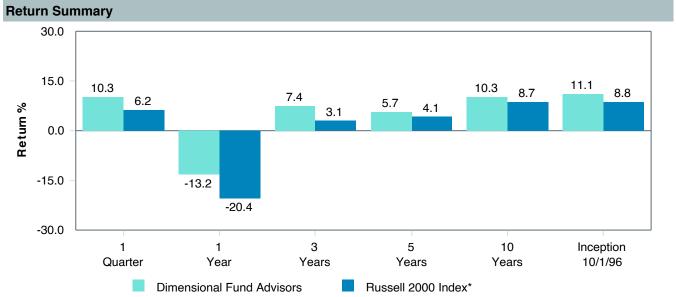
Account Structure: Commingled Fund

Asset Class: US Equity

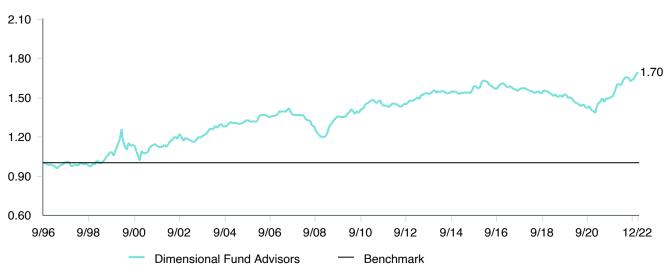
Benchmark: Russell 2000 Index\*

Peer Group: IM U.S. Small Cap Core Equity (SA+CF)





#### **Ratio of Cumulative Wealth - Since Inception**





## **Dimensional Fund Advisors**

As of December 31, 2022

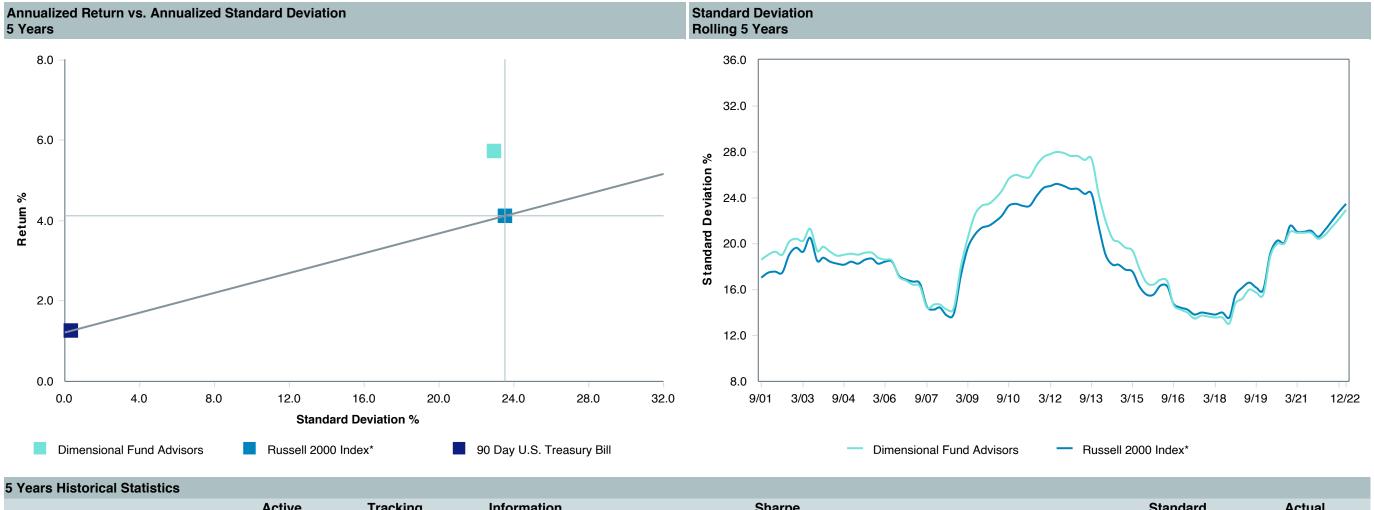


	1 Quarter	Year to Date	1 Year	3 Years	5 Years	10 Years	2021	2020	2019
Dimensional Fund Advisors	10.3 (27)	-13.2 (19)	-13.2 (19)	7.4 (35)	5.7 (61)	10.3 (55)	28.1 (26)	11.5 (74)	21.7 (75)
Russell 2000 Index*	6.2 (88)	-20.4 (76)	-20.4 (76)	3.1 (82)	4.1 (83)	8.7 (82)	14.8 (85)	20.0 (37)	25.5 (49)
5th Percentile	12.2	-8.7	-8.7	12.7	12.0	13.5	40.0	38.7	33.6
1st Quartile	10.4	-14.1	-14.1	8.6	7.5	11.2	28.1	24.5	28.2
Median	8.9	-17.0	-17.0	5.7	6.2	10.4	22.9	18.0	25.2
3rd Quartile	7.2	-20.3	-20.3	4.1	4.7	9.0	18.0	11.3	21.5
95th Percentile	4.1	-25.7	-25.7	1.3	1.7	7.9	12.8	3.3	15.7
Population	136	134	134	129	122	96	146	149	156

Parentheses contain percentile rankings.



## **Risk Profile Dimensional Fund Advisors**



5 Years Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
Dimensional Fund Advisors	1.43	4.35	0.33	0.97	0.30	1.72	0.96	5.74	22.93	0.98
Russell 2000 Index*	0.00	0.00	-	1.00	0.24	0.00	1.00	4.13	23.50	1.00
90 Day U.S. Treasury Bill	-5.57	23.59	-0.24	0.08	-	1.29	0.00	1.26	0.34	-0.28



# Manager Performance Summary BlackRock Russell 1000 Index

As of December 31, 2022

#### **Account Information**

Account Name: BlackRock Russell 1000 Index

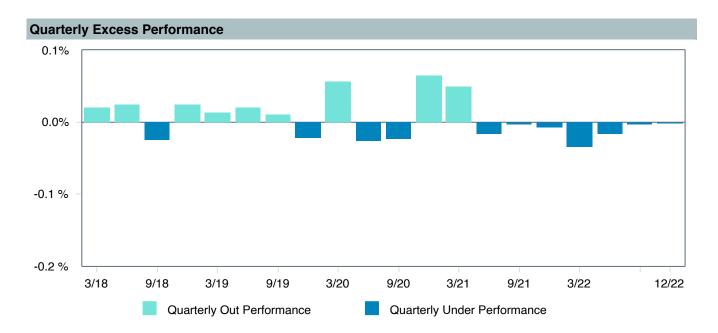
Inception Date: 10/01/2007

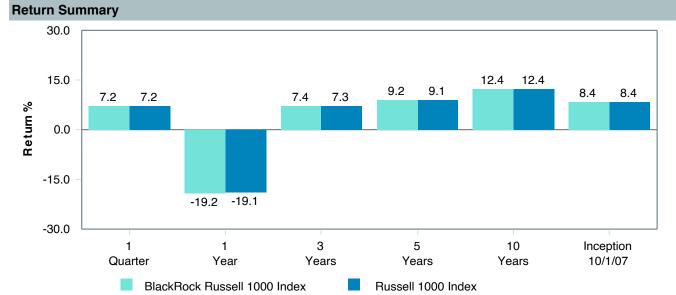
Account Structure: Commingled Fund

Asset Class: US Equity

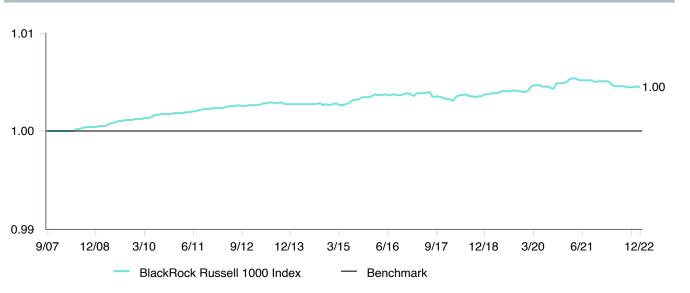
Benchmark: Russell 1000 Index

Peer Group: IM U.S. Large Cap Core Equity (SA+CF)





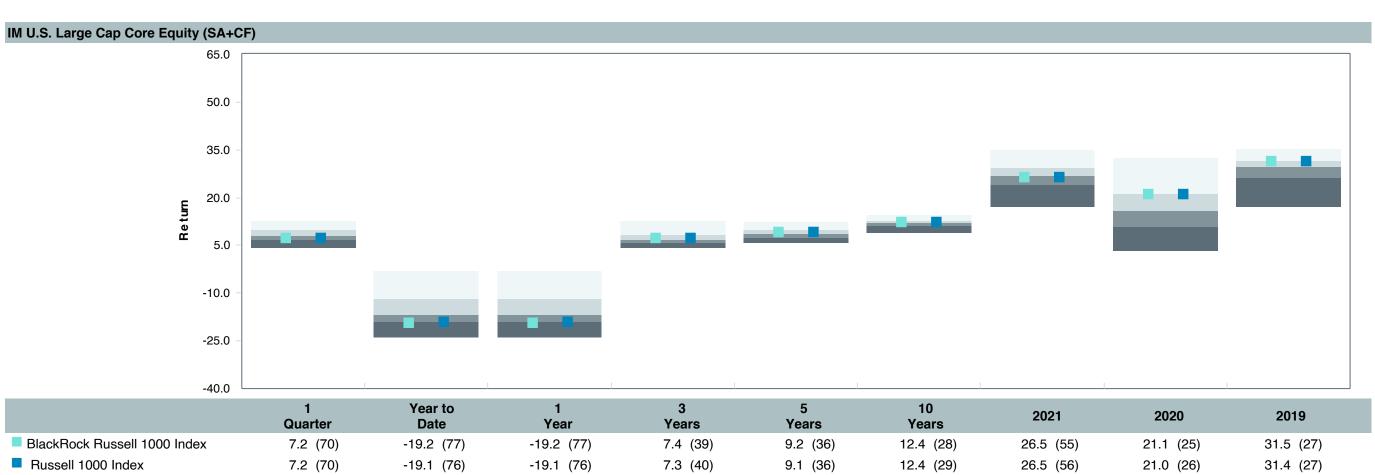
#### **Ratio of Cumulative Wealth - Since Inception**





## BlackRock Russell 1000 Index

As of December 31, 2022

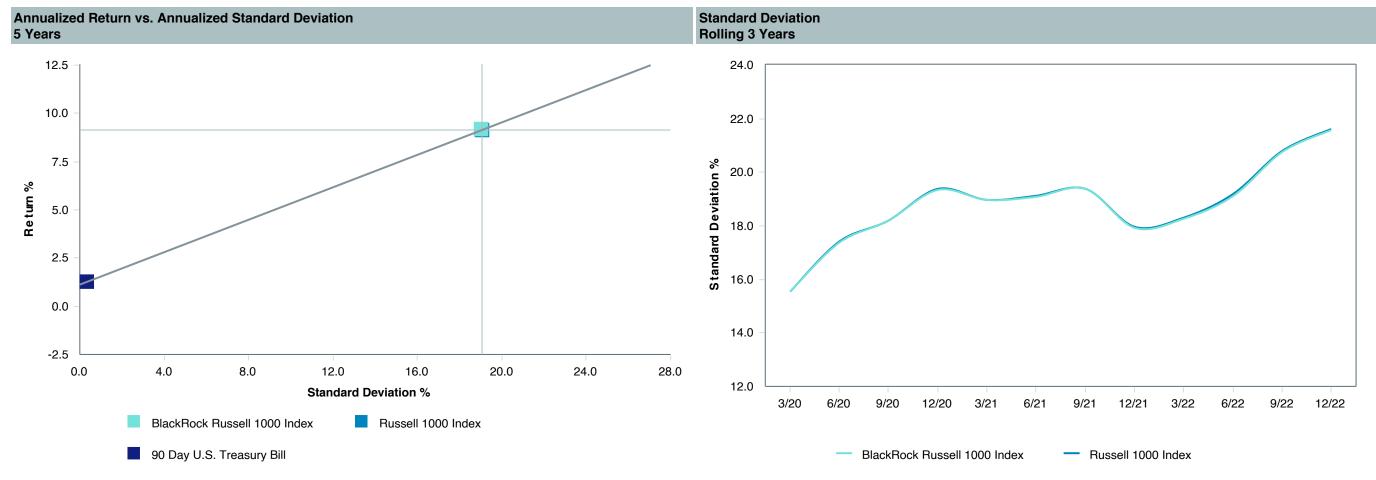


	1 Quarter	Year to Date	1 Year	3 Years	5 Years	10 Years	2021	2020	2019
■ BlackRock Russell 1000 Index	7.2 (70)	-19.2 (77)	-19.2 (77)	7.4 (39)	9.2 (36)	12.4 (28)	26.5 (55)	21.1 (25)	31.5 (27)
Russell 1000 Index	7.2 (70)	-19.1 (76)	-19.1 (76)	7.3 (40)	9.1 (36)	12.4 (29)	26.5 (56)	21.0 (26)	31.4 (27)
5th Percentile	12.8	-3.1	-3.1	12.8	12.2	14.5	34.9	32.3	35.3
1st Quartile	9.7	-11.9	-11.9	8.3	9.7	12.5	29.3	21.0	31.5
Median	7.8	-16.9	-16.9	6.8	8.4	11.9	26.9	15.7	29.4
3rd Quartile	6.8	-19.1	-19.1	5.8	7.4	11.1	23.9	10.9	26.3
95th Percentile	4.3	-24.0	-24.0	4.2	5.6	9.0	17.0	3.4	17.0
Population	203	199	199	191	174	134	206	209	223

Parentheses contain percentile rankings.



## Risk Profile BlackRock Russell 1000 Index



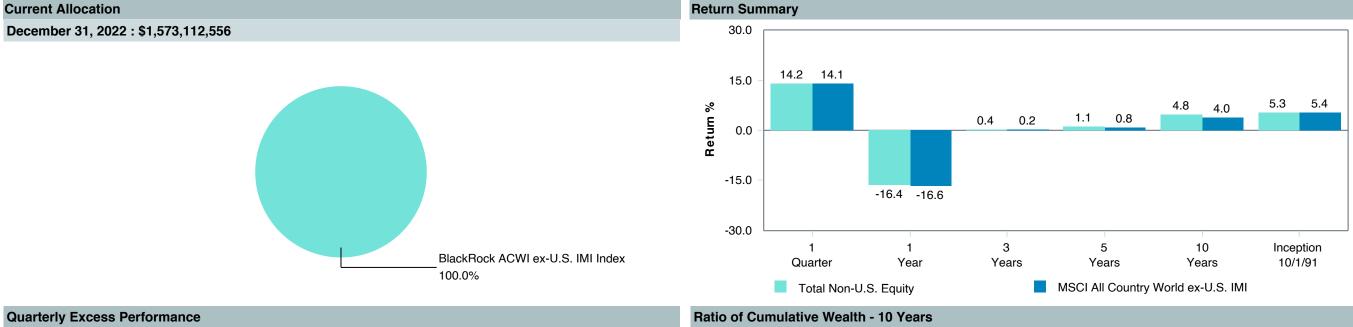
5 Years Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
BlackRock Russell 1000 Index	0.04	0.13	0.33	1.00	0.49	0.06	1.00	9.19	19.01	1.00
Russell 1000 Index	0.00	0.00	-	1.00	0.49	0.00	1.00	9.13	19.05	1.00
90 Day U.S. Treasury Bill	-9.31	19.13	-0.49	0.06	-	1.31	0.00	1.26	0.34	-0.24

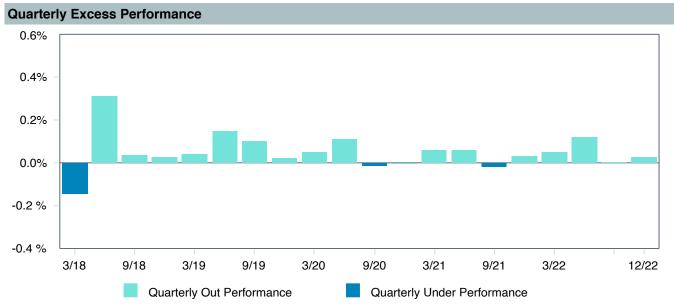


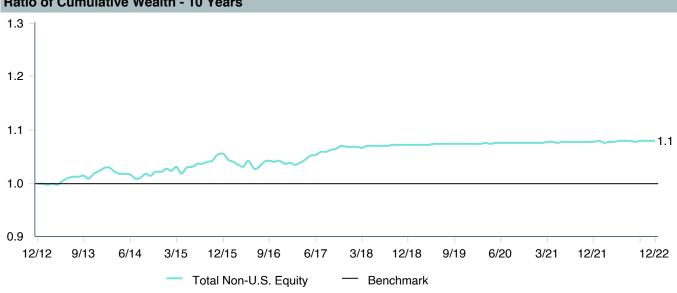
**Total Non-U.S. Equity** 



# Composite Portfolio Overview Total Non-U.S. Equity



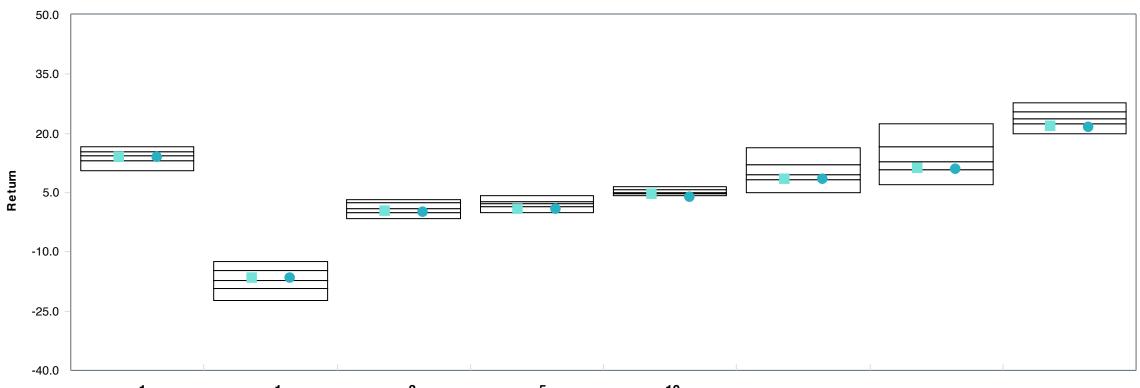






# **Total Non-U.S. Equity**

As of December 31, 2022

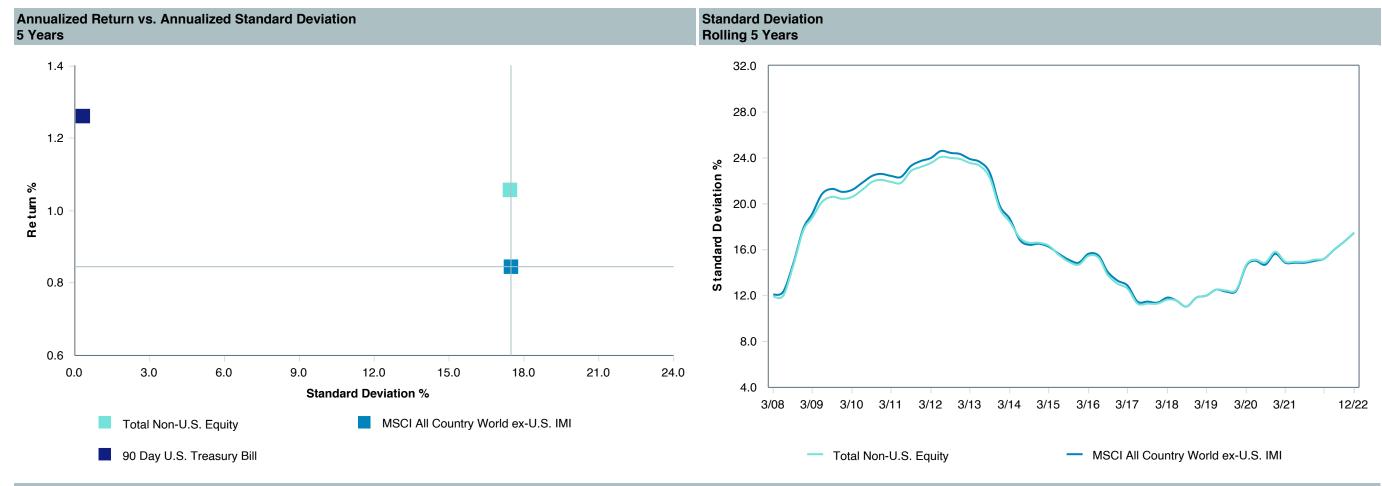


	1 Quarter	1 Year	3 Years	5 Years	10 Years	2021	2020	2019
■ Total Non-U.S. Equity	14.2 (56)	-16.4 (39)	0.4 (70)	1.1 (84)	4.8 (72)	8.7 (65)	11.3 (65)	22.0 (82)
MSCI All Country World ex-U.S. IMI*	14.1 (56)	-16.6 (41)	0.2 (71)	0.8 (85)	4.0 (99)	8.5 (69)	11.1 (66)	21.6 (84)
5th Percentile	16.7	-12.4	3.2	4.2	6.4	16.5	22.4	27.9
1st Quartile	15.3	-14.6	2.4	2.8	5.7	12.2	16.8	25.5
Median	14.4	-17.3	1.0	2.2	5.1	9.6	12.8	23.7
3rd Quartile	13.2	-19.2	0.0	1.3	4.7	8.3	10.7	22.4
95th Percentile	10.7	-22.2	-1.5	-0.1	4.2	4.9	7.1	20.0
Population	54	54	50	49	38	56	58	53

Parentheses contain percentile rankings.



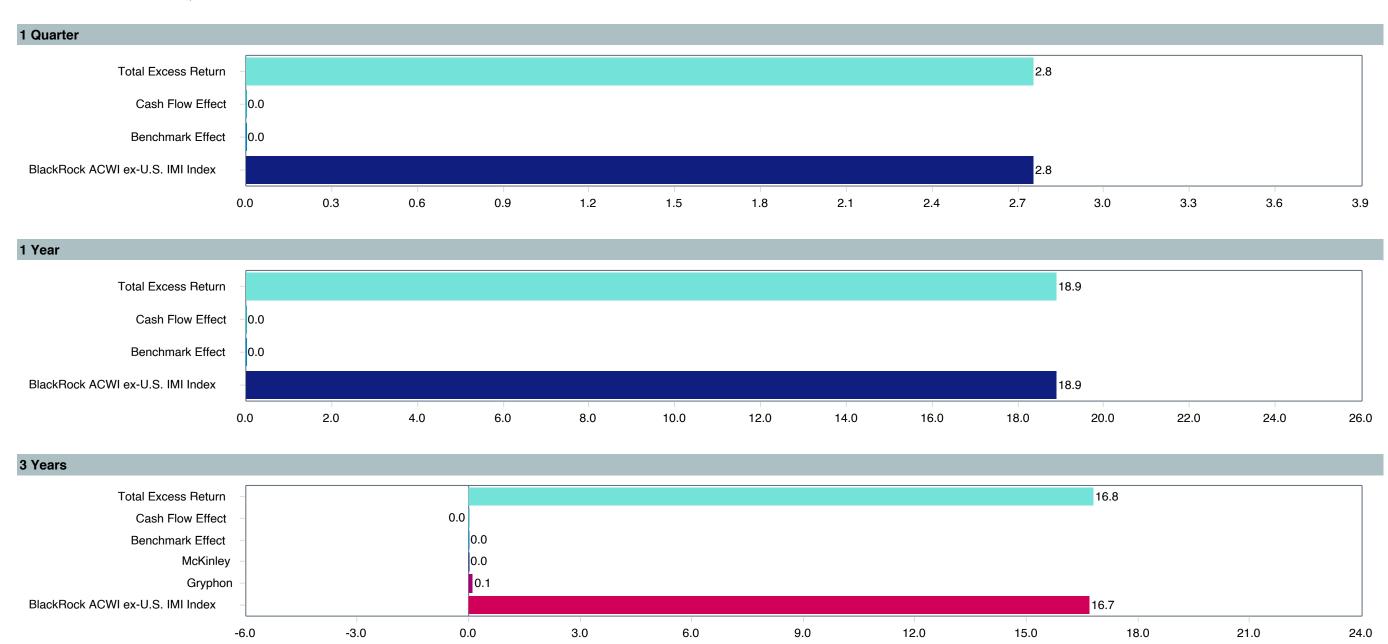
# **Risk Profile Total Non-U.S. Equity**



5 Years Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
Total Non-U.S. Equity	0.21	0.32	0.64	1.00	0.07	0.21	1.00	1.06	17.45	1.00
MSCI All Country World ex-U.S. IMI	0.00	0.00	-	1.00	0.06	0.00	1.00	0.85	17.48	1.00
90 Day U.S. Treasury Bill	-1.11	17.55	-0.06	0.03	-	1.27	0.00	1.26	0.34	-0.17



## **Asset Class Attribution**





# Manager Performance Summary BlackRock ACWI ex-U.S. IMI Index

As of December 31, 2022

#### **Account Information**

Account Name: BlackRock ACWI ex-U.S. IMI Index

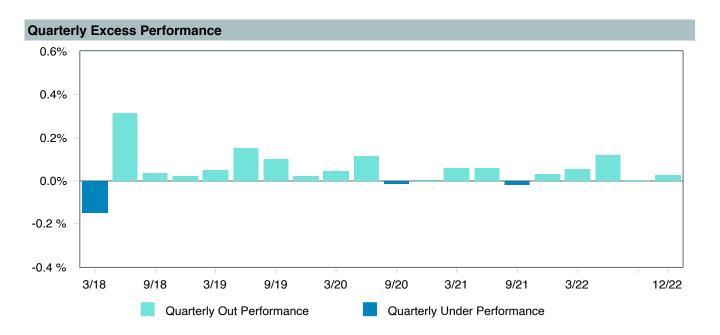
Inception Date: 12/01/2017

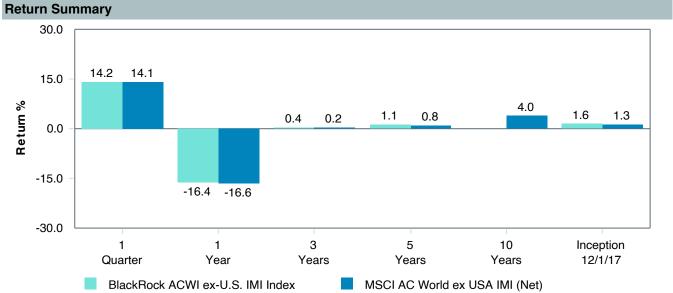
Account Structure: Commingled Fund

Asset Class: International Equity

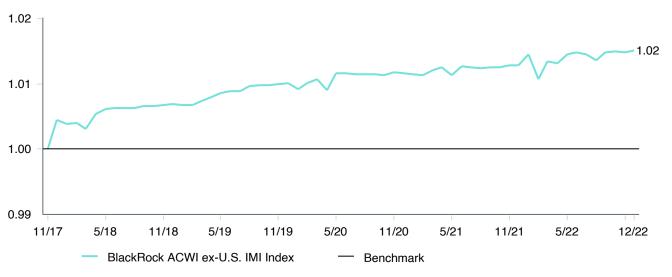
Benchmark: MSCI AC World ex USA IMI (Net)

Peer Group:







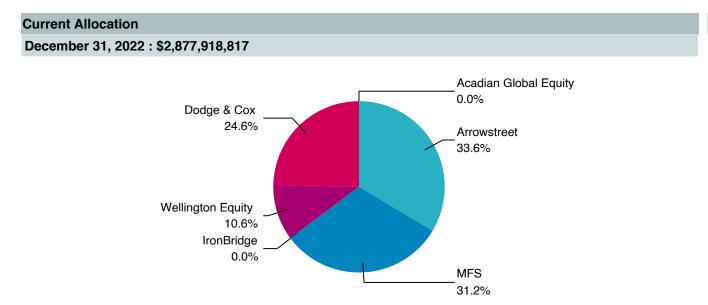


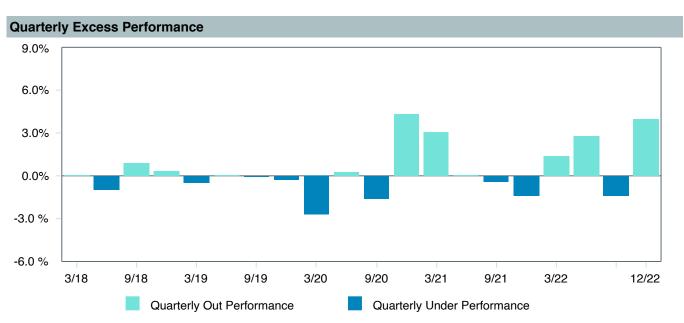


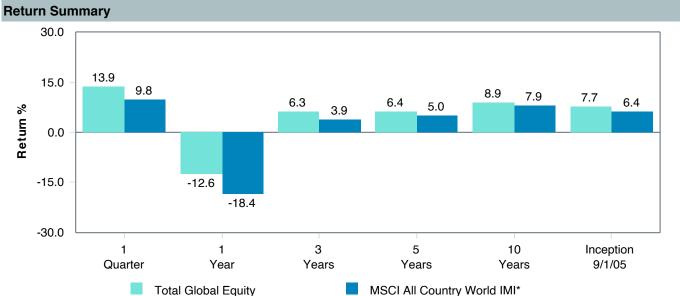
# **Total Global Equity**



# **Composite Portfolio Overview Total Global Equity**











## **Total Global Equity**

As of December 31, 2022



3.6

1.5

376

7.1

4.7

271

14.0

4.6

450

6.0

-2.9

468

Parentheses contain percentile rankings.

8.5

4.7

448

-23.1

-34.6

439

2.1

-1.0

408

3rd Quartile

Population

95th Percentile

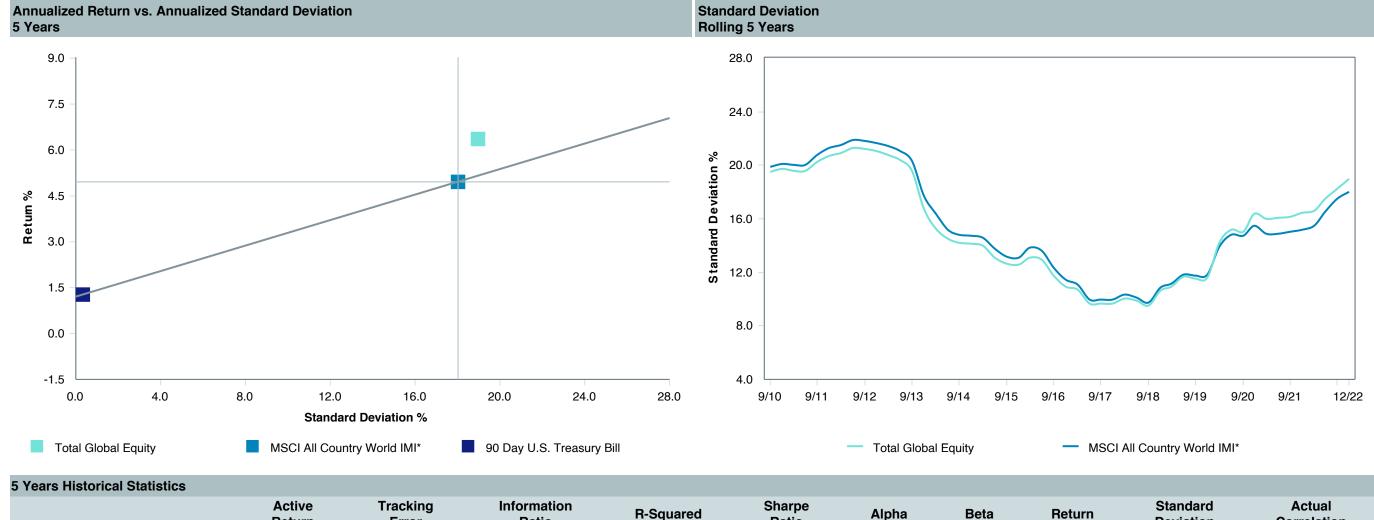


22.2

13.4

481

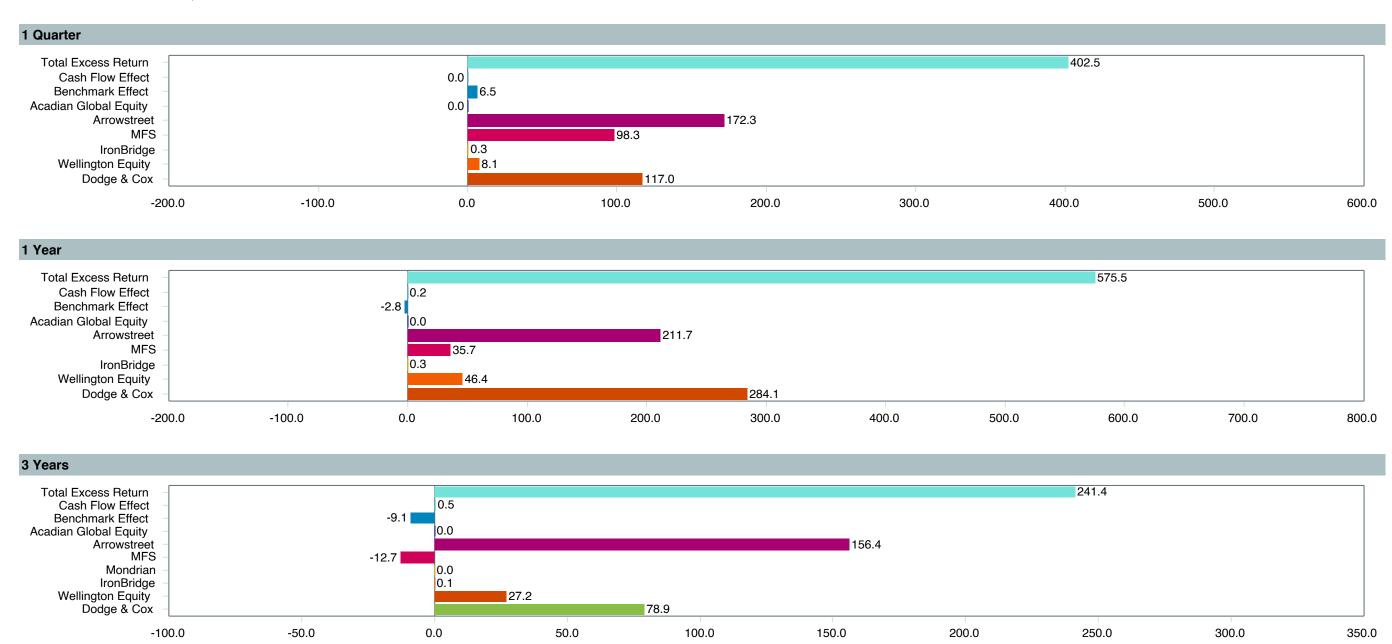
# **Risk Profile Total Global Equity**



5 Years Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
<b>Total Global Equity</b>	1.49	3.29	0.45	0.97	0.35	1.26	1.04	6.36	18.95	0.99
MSCI All Country World IMI*	0.00	0.00	-	1.00	0.29	0.00	1.00	4.96	18.02	1.00
90 Day U.S. Treasury Bill	-5.21	18.10	-0.29	0.05	-	1.29	0.00	1.26	0.34	-0.23



#### **Asset Class Attribution**





# **Manager Performance Summary MFS**

As of December 31, 2022

#### **Account Information**

Account Name: MFS

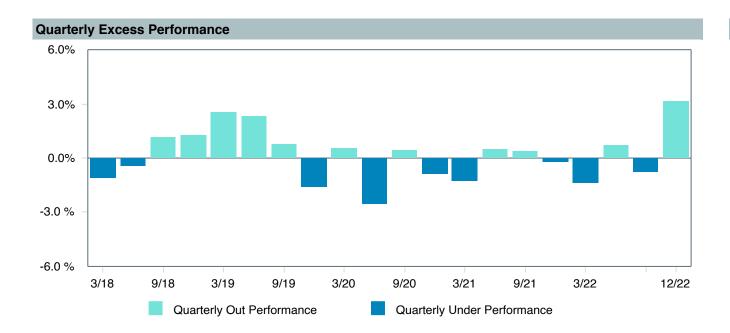
Inception Date: 10/01/2005

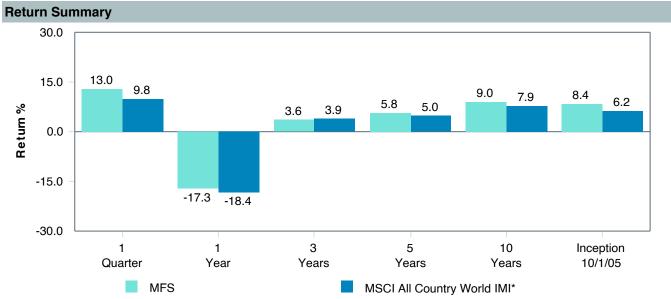
Account Structure: Separate Account

Asset Class: Global Equity

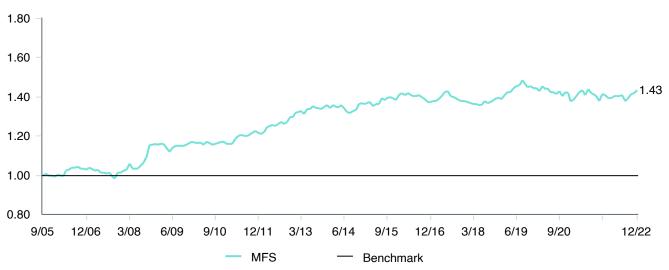
Benchmark: MSCI All Country World IMI\*

Peer Group: IM Global Equity (SA+CF)





#### **Ratio of Cumulative Wealth - Since Inception**





# **MFS**

As of December 31, 2022

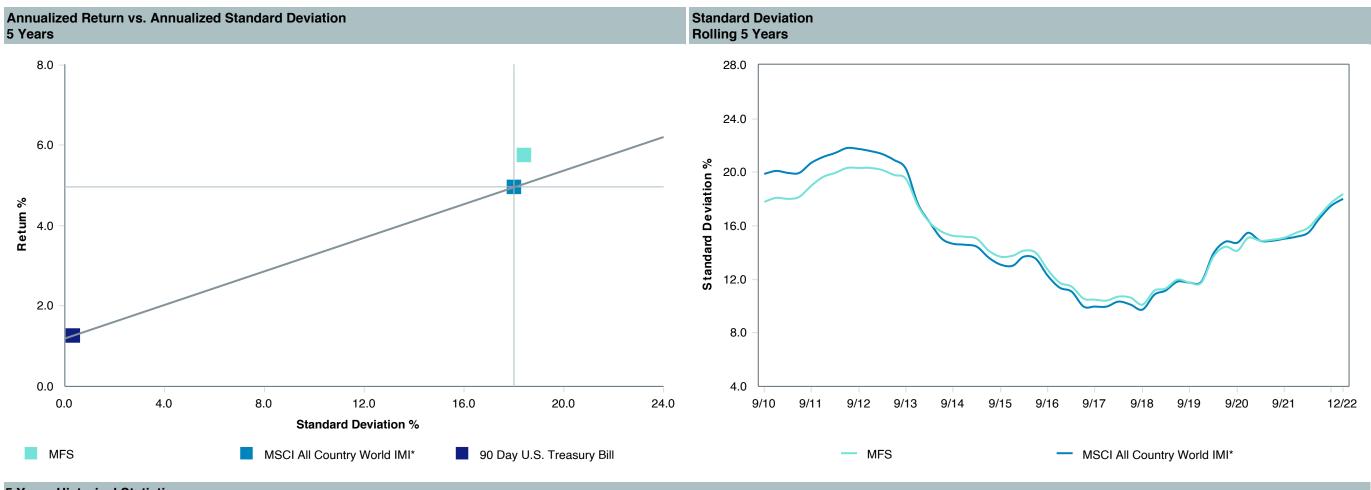
# IM Global Equity (SA+CF) 75.0 25.0 25.0 -25.0 -50.0

	•	Vasuta		•	F	10			
	Quarter	Year to Date	Year	3 Years	years	10 Years	2021	2020	2019
■ MFS	13.0 (30)	-17.3 (50)	-17.3 (50)	3.6 (55)	5.8 (39)	9.0 (30)	17.6 (53)	14.2 (54)	31.1 (22)
■ MSCI All Country World IMI*	9.8 (62)	-18.4 (54)	-18.4 (54)	3.9 (50)	5.0 (54)	7.9 (56)	18.2 (48)	16.3 (47)	26.4 (52)
5th Percentile	18.8	-2.7	-2.7	10.0	9.4	11.4	26.7	49.2	36.8
1st Quartile	13.6	-9.8	-9.8	5.5	6.7	9.3	21.0	24.0	30.5
Median	10.6	-17.5	-17.5	3.9	5.2	8.1	17.9	15.3	26.5
3rd Quartile	8.5	-23.1	-23.1	2.1	3.6	7.1	14.0	6.0	22.2
95th Percentile	4.7	-34.6	-34.6	-1.0	1.5	4.7	4.6	-2.9	13.4
Population	448	439	439	408	376	271	450	468	481

Parentheses contain percentile rankings.



## **Risk Profile MFS**



5 Years Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
MFS	0.82	3.95	0.21	0.95	0.33	0.84	1.00	5.77	18.40	0.98
MSCI All Country World IMI*	0.00	0.00	-	1.00	0.29	0.00	1.00	4.96	18.02	1.00
90 Day U.S. Treasury Bill	-5.21	18.10	-0.29	0.05	-	1.29	0.00	1.26	0.34	-0.23



# **Manager Performance Summary Arrowstreet**

As of December 31, 2022

#### **Account Information**

Account Name: Arrowstreet

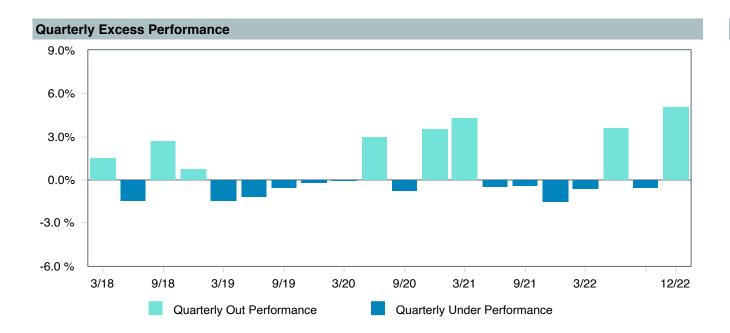
Inception Date: 09/01/2016

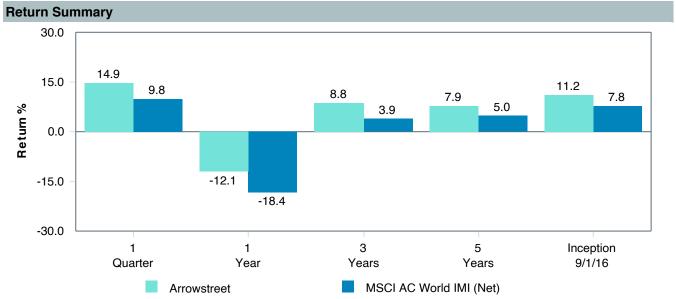
Account Structure: Separate Account

Asset Class: Global Equity

Benchmark: MSCI AC World IMI (Net)

Peer Group: IM Global Equity (SA+CF)





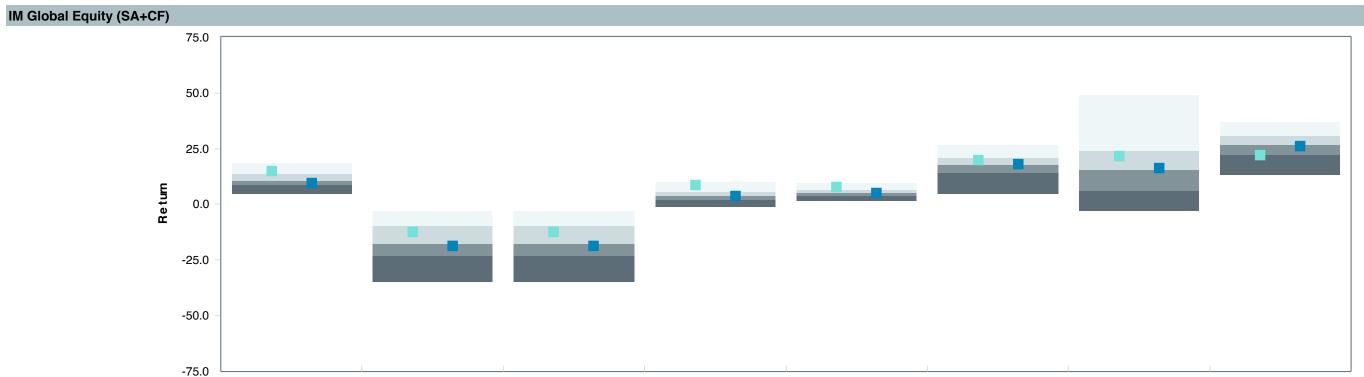
#### **Ratio of Cumulative Wealth - Since Inception**





## **Arrowstreet**

As of December 31, 2022



70.0								
	1 Quarter	Year to Date	1 Year	3 Years	5 Years	2021	2020	2019
Arrowstreet	14.9 (16)	-12.1 (33)	-12.1 (33)	8.8 (8)	7.9 (12)	20.1 (31)	21.8 (29)	22.4 (74)
MSCI AC World IMI (Net)	9.8 (62)	-18.4 (54)	-18.4 (54)	3.9 (50)	5.0 (54)	18.2 (48)	16.3 (47)	26.4 (52)
5th Percentile	18.8	-2.7	-2.7	10.0	9.4	26.7	49.2	36.8
1st Quartile	13.6	-9.8	-9.8	5.5	6.7	21.0	24.0	30.5
Median	10.6	-17.5	-17.5	3.9	5.2	17.9	15.3	26.5
3rd Quartile	8.5	-23.1	-23.1	2.1	3.6	14.0	6.0	22.2
95th Percentile	4.7	-34.6	-34.6	-1.0	1.5	4.6	-2.9	13.4
Population	448	439	439	408	376	450	468	481

Parentheses contain percentile rankings.



## **Manager Performance Summary Wellington Equity**

As of December 31, 2022

#### **Account Information**

Account Name: Wellington Equity

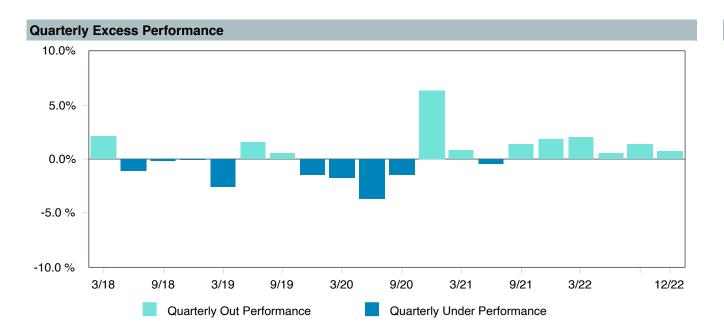
Inception Date: 09/01/2016

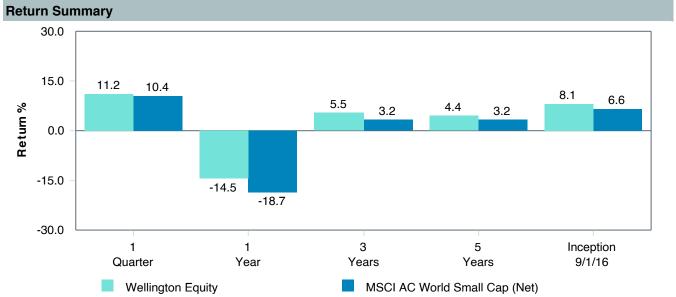
Account Structure: Separate Account

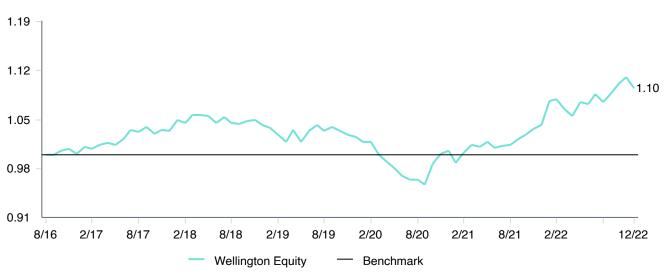
Asset Class: Global Equity

Benchmark: MSCI AC World Small Cap (Net)

Peer Group: IM Global Small Cap Equity (SA+CF)



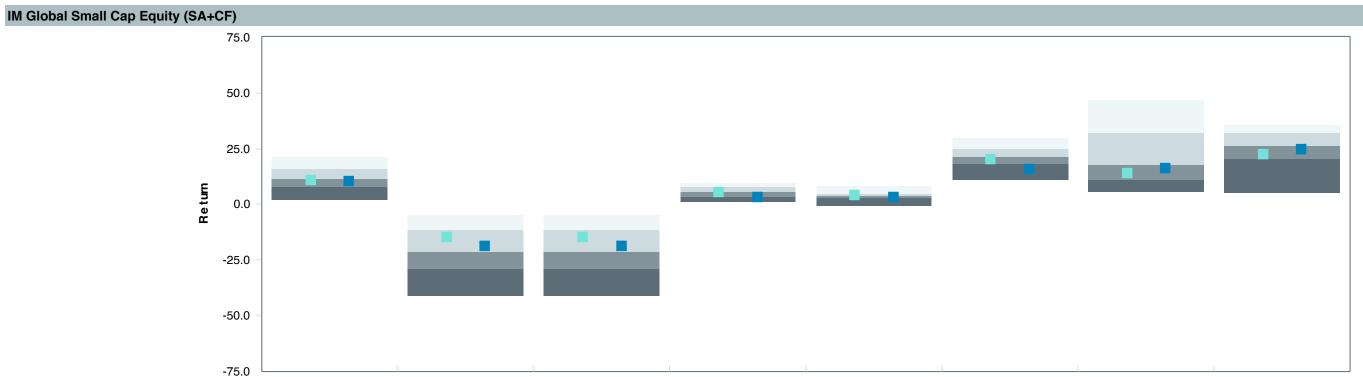






# **Wellington Equity**

As of December 31, 2022



7 6.6								
	1 Quarter	Year to Date	1 Year	3 Years	5 Years	2021	2020	2019
Wellington Equity	11.2 (52)	-14.5 (32)	-14.5 (32)	5.5 (51)	4.4 (38)	20.2 (54)	14.1 (57)	22.7 (69)
MSCI AC World Small Cap (Net)	10.4 (65)	-18.7 (35)	-18.7 (35)	3.2 (80)	3.2 (59)	16.1 (85)	16.3 (52)	24.7 (66)
5th Percentile	21.5	-4.5	-4.5	9.8	8.5	29.9	46.7	35.6
1st Quartile	15.9	-11.5	-11.5	7.8	4.7	24.9	32.1	31.9
Median	11.5	-21.4	-21.4	5.5	3.6	21.1	17.5	26.4
3rd Quartile	8.0	-29.0	-29.0	3.2	3.1	18.2	11.1	20.5
95th Percentile	2.0	-40.9	-40.9	1.0	-0.8	10.9	5.7	5.3
Population	24	24	24	20	16	26	28	29

Parentheses contain percentile rankings.



## **Manager Performance Summary Dodge & Cox**

As of December 31, 2022

#### **Account Information**

Account Name: Dodge & Cox

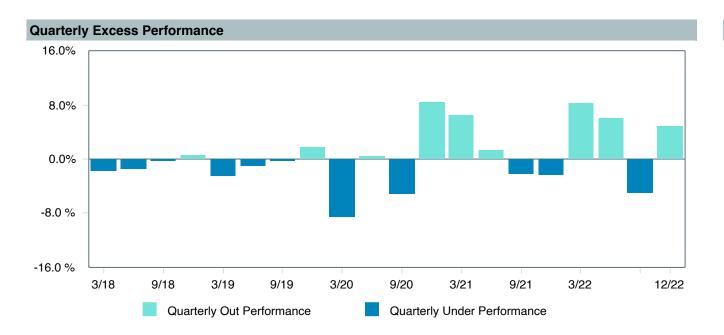
Inception Date: 07/01/2017

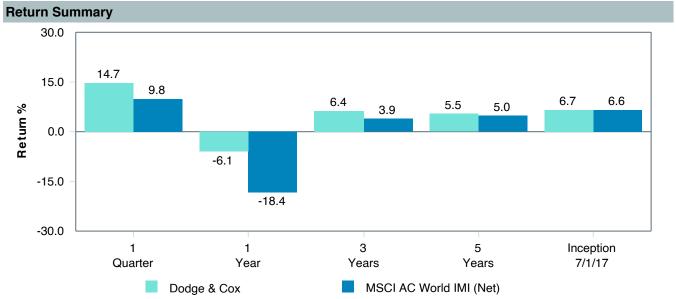
Account Structure: Mutual Fund

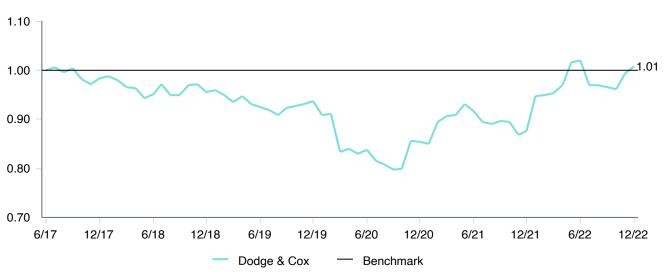
Asset Class: Global Equity

Benchmark: MSCI AC World IMI (Net)

Peer Group: IM Global Equity (MF)



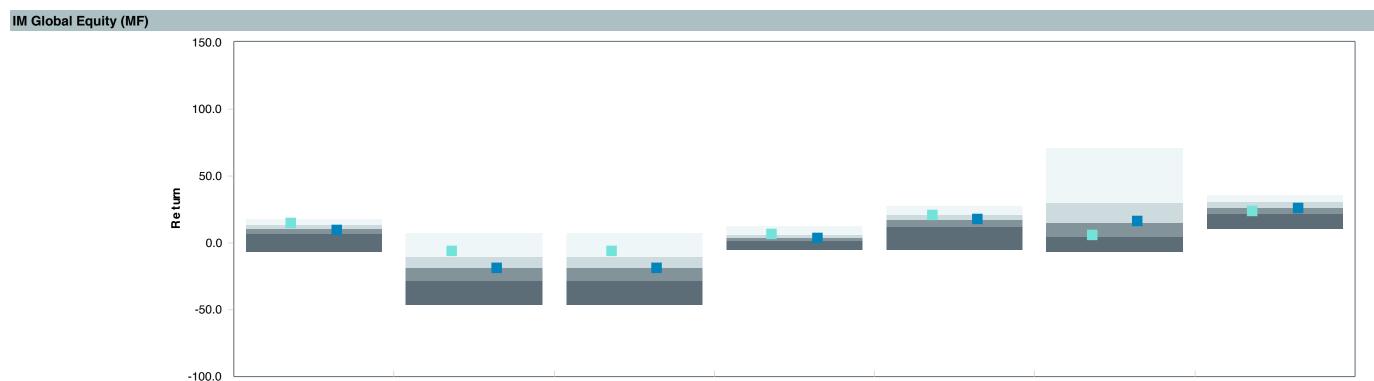






# Dodge & Cox

As of December 31, 2022



-100.0							
	1 Quarter	Year to Date	1 Year	3 Years	2021	2020	2019
Dodge & Cox	14.7 (15)	-6.1 (16)	-6.1 (16)	6.4 (20)	21.3 (23)	6.0 (73)	23.9 (64)
MSCI AC World IMI (Net)	9.8 (57)	-18.4 (50)	-18.4 (50)	3.9 (48)	18.2 (44)	16.3 (45)	26.4 (49)
5th Percentile	18.0	7.4	7.4	12.4	27.8	71.1	36.1
1st Quartile	13.1	-10.1	-10.1	5.7	20.8	30.0	30.2
Median	10.4	-18.6	-18.6	3.7	17.2	14.9	26.2
3rd Quartile	7.0	-28.7	-28.7	1.3	11.6	4.2	21.3
95th Percentile	-6.4	-46.6	-46.6	-4.9	-5.3	-7.0	10.3
Population	547	507	507	395	443	401	363

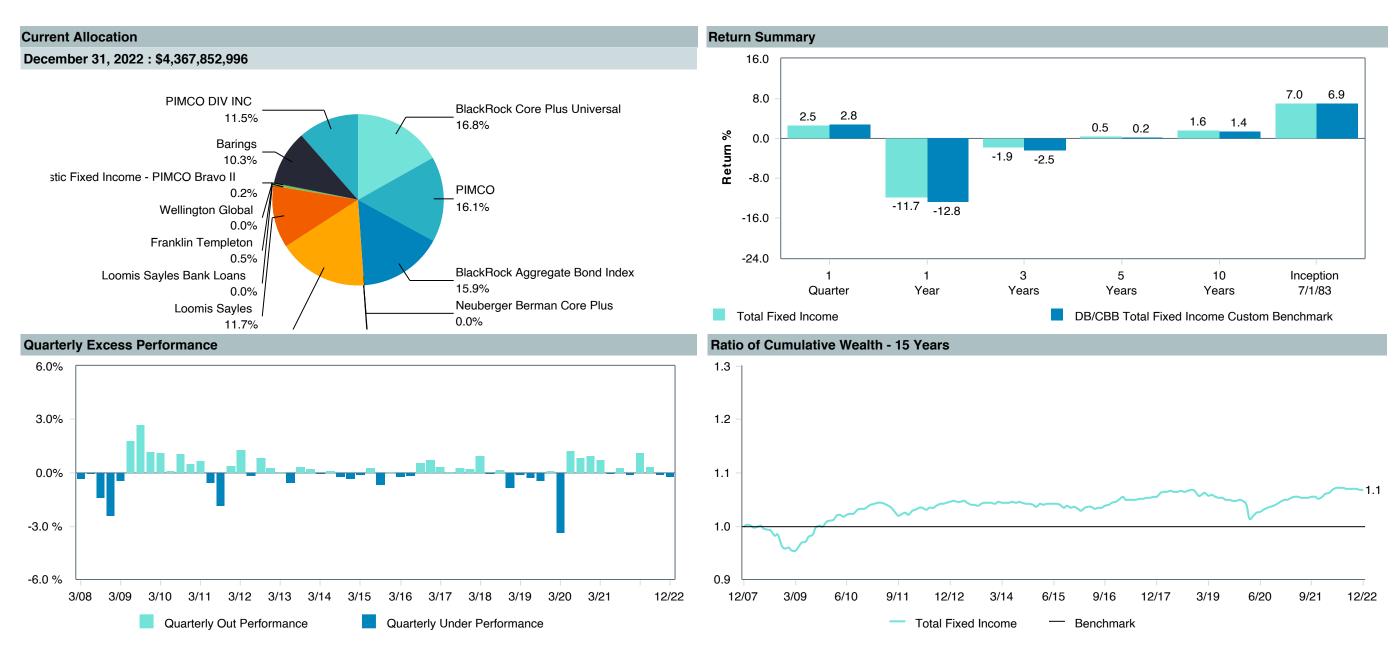
Parentheses contain percentile rankings.



### **Total Fixed Income**



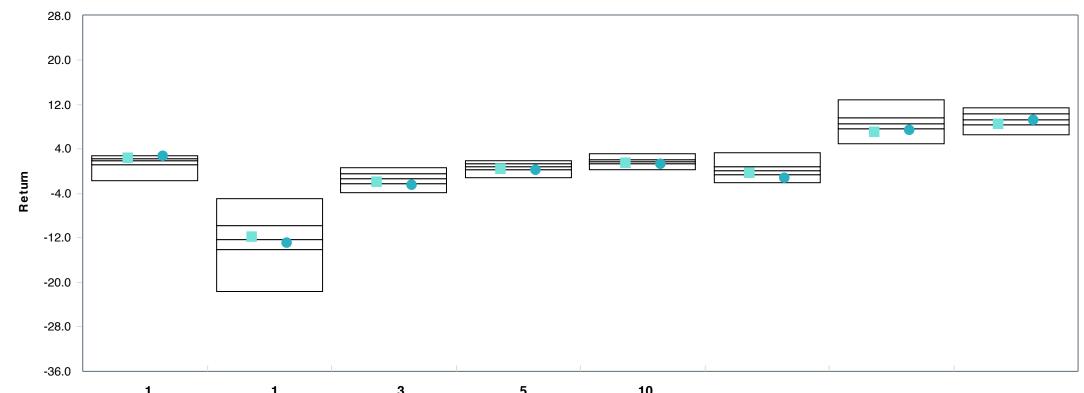
### **Composite Portfolio Overview Total Fixed Income**





### **Total Fixed Income**

As of December 31, 2022

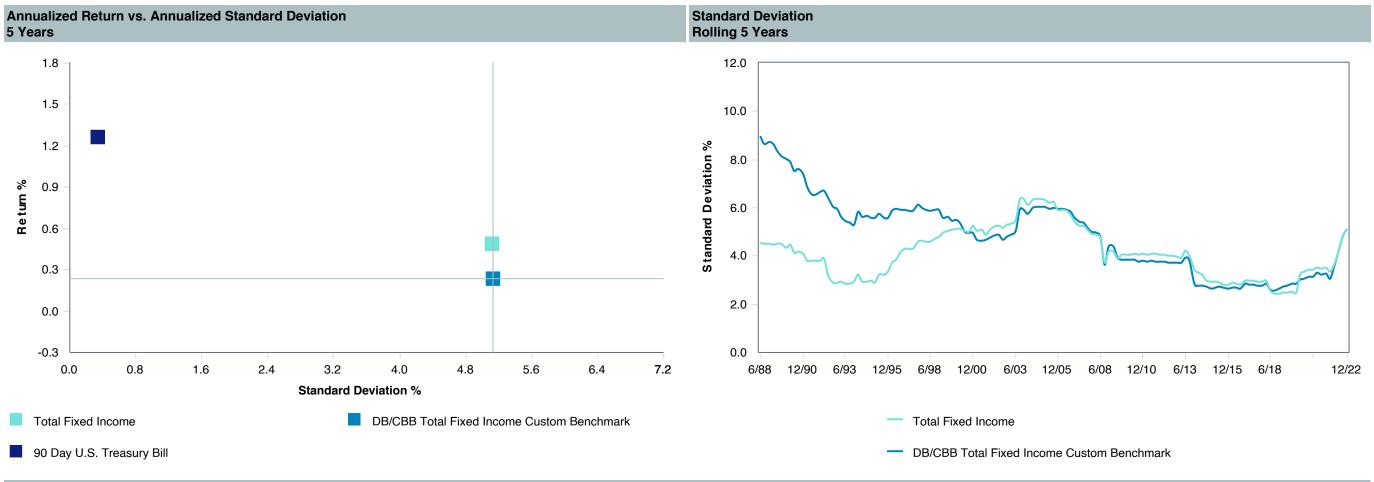


	1 Quarter	1 Year	3 Years	5 Years	10 Years	2021	2020	2019
■ Total Fixed Income	2.5 (11)	-11.7 (43)	-1.9 (68)	0.5 (73)	1.6 (64)	-0.2 (61)	7.1 (82)	8.5 (74)
<ul> <li>DB/CBB Total Fixed Income Custom Benchmark</li> </ul>	2.8 (7)	-12.8 (61)	-2.5 (80)	0.2 (82)	1.4 (80)	-1.1 (87)	7.6 (76)	9.3 (51)
5th Percentile	2.8	-4.9	0.6	2.0	3.1	3.3	12.9	11.4
1st Quartile	2.3	-9.8	-0.4	1.3	2.0	0.8	9.7	10.3
Median	1.9	-12.3	-1.4	0.9	1.7	0.1	8.6	9.3
3rd Quartile	1.2	-14.1	-2.2	0.4	1.4	-0.6	7.7	8.4
95th Percentile	-1.6	-21.7	-3.9	-1.0	0.3	-2.0	4.9	6.5
Population	57	57	49	47	39	58	59	53

Parentheses contain percentile rankings.



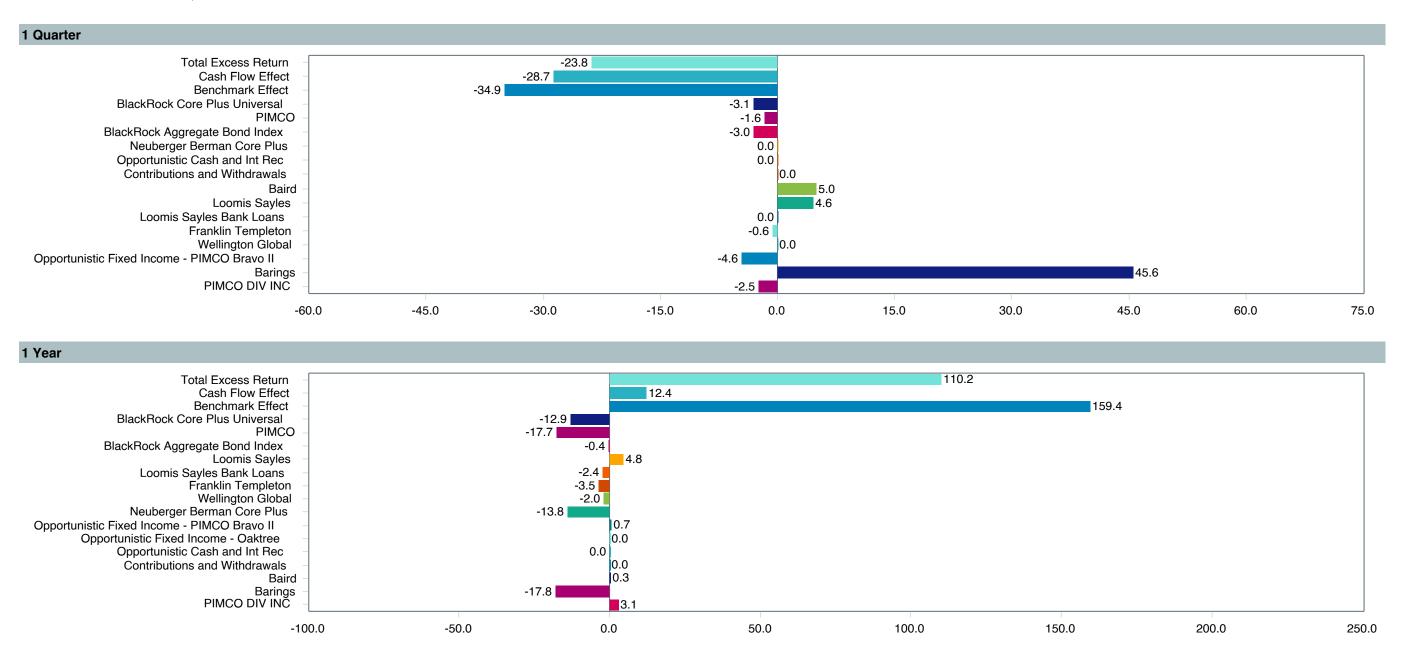
### **Risk Profile Total Fixed Income**



5 Years Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
Total Fixed Income	0.25	1.50	0.17	0.92	-0.12	0.27	0.95	0.49	5.12	0.96
DB/CBB Total Fixed Income Custom Benchmark	0.00	0.00	-	1.00	-0.17	0.00	1.00	0.24	5.13	1.00
90 Day U.S. Treasury Bill	0.89	5.09	0.17	0.02	-	1.26	0.01	1.26	0.34	0.15

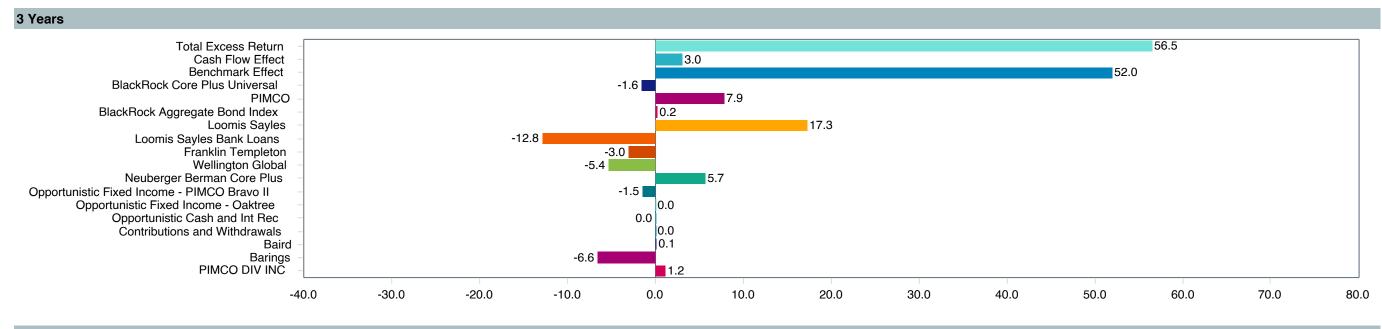


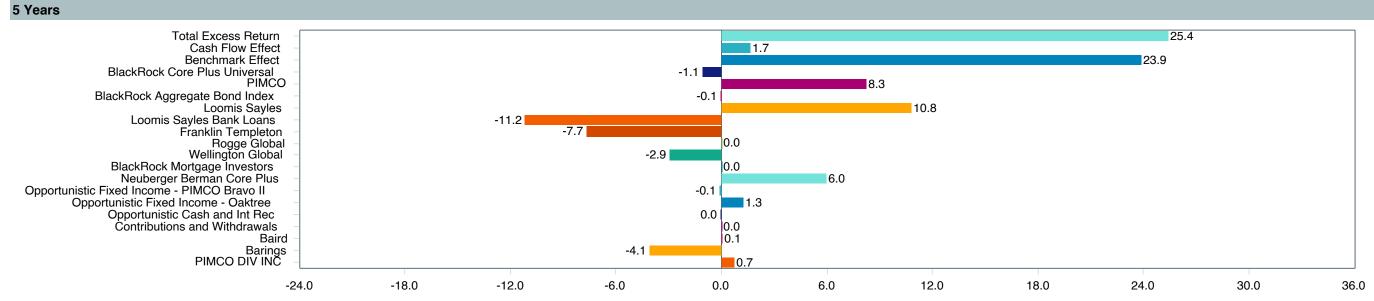
### **Asset Class Attribution**





### **Asset Class Attribution**







### Manager Performance Summary BlackRock Aggregate Bond Index

As of December 31, 2022

#### **Account Information**

Account Name: BlackRock Aggregate Bond Index

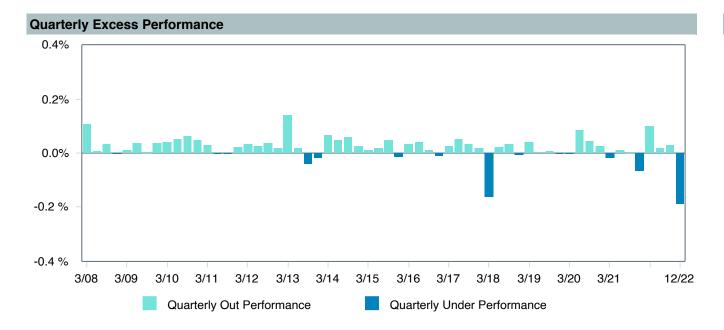
Inception Date: 02/01/2006

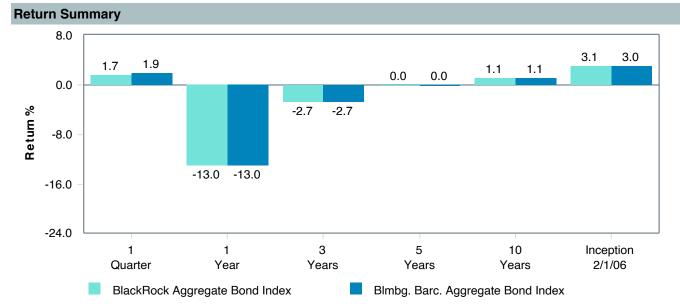
Account Structure: Commingled Fund

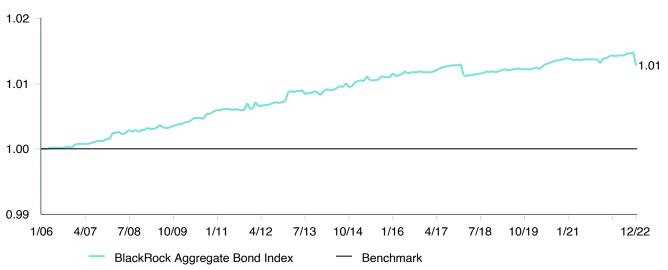
Asset Class: US Fixed Income

Benchmark: Blmbg. Barc. Aggregate Bond Index

Peer Group: IM U.S. Broad Market Core Fixed Income (SA+CF)



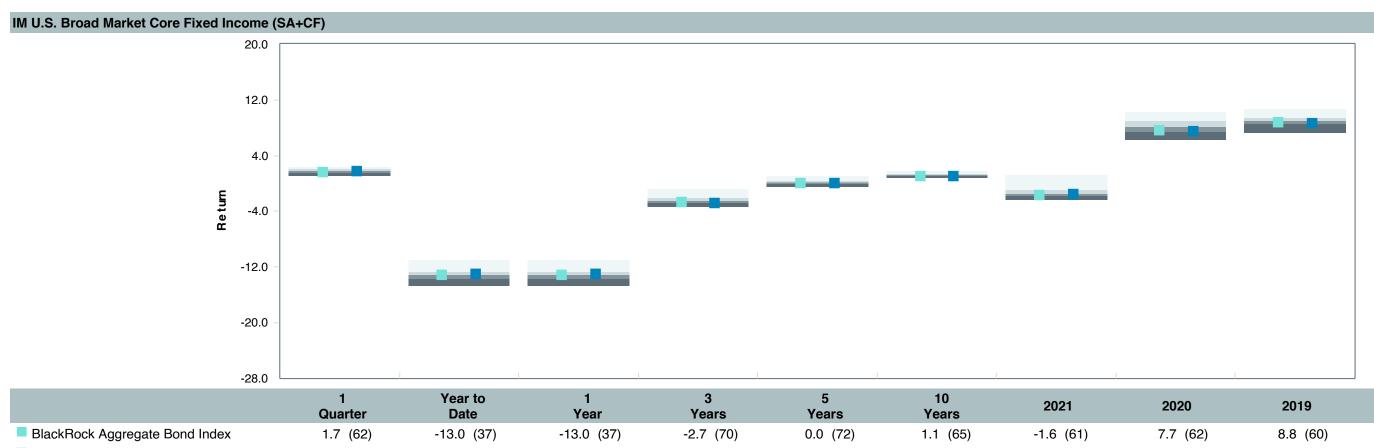






# BlackRock Aggregate Bond Index

As of December 31, 2022

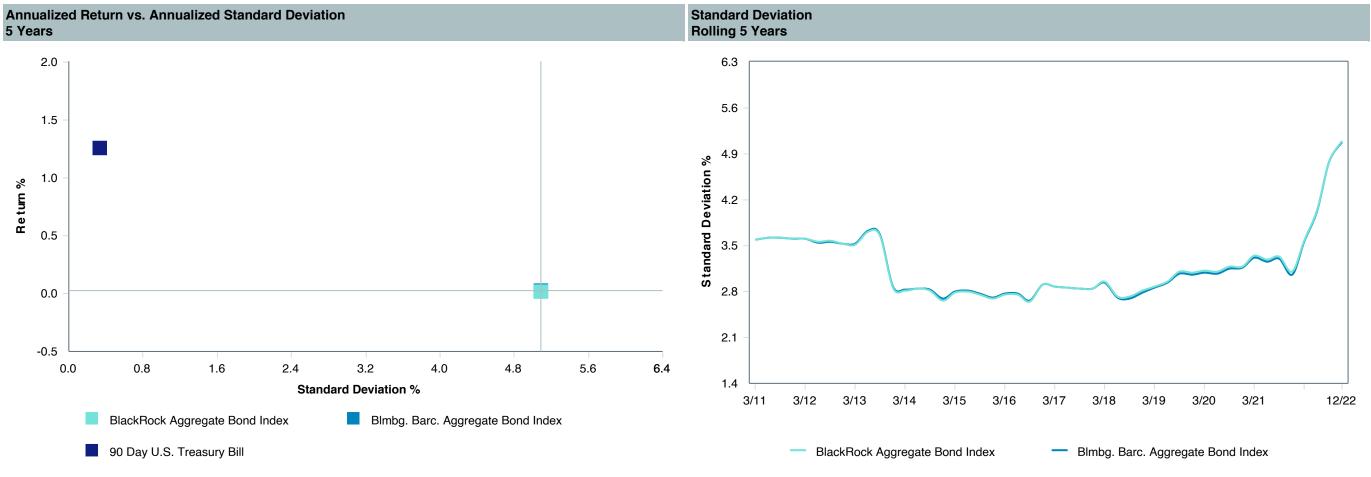


	1 Quarter	Year to Date	1 Year	3 Years	5 Years	10 Years	2021	2020	2019
■ BlackRock Aggregate Bond Index	1.7 (62)	-13.0 (37)	-13.0 (37)	-2.7 (70)	0.0 (72)	1.1 (65)	-1.6 (61)	7.7 (62)	8.8 (60)
■ Blmbg. Barc. Aggregate Bond Index	1.9 (37)	-13.0 (36)	-13.0 (36)	-2.7 (70)	0.0 (70)	1.1 (70)	-1.5 (57)	7.5 (68)	8.7 (66)
5th Percentile	2.4	-11.0	-11.0	-0.8	1.1	1.8	1.2	10.3	10.7
1st Quartile	2.0	-12.6	-12.6	-2.1	0.4	1.4	-0.9	9.0	9.4
Median	1.8	-13.1	-13.1	-2.5	0.2	1.2	-1.4	8.1	9.0
3rd Quartile	1.5	-13.7	-13.7	-2.8	0.0	1.0	-1.8	7.4	8.5
95th Percentile	1.0	-14.7	-14.7	-3.3	-0.5	0.7	-2.3	6.3	7.2
Population	117	116	116	110	104	92	119	123	126

Parentheses contain percentile rankings.



### Risk Profile BlackRock Aggregate Bond Index



5 Years Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
BlackRock Aggregate Bond Index	0.00	0.13	-0.02	1.00	-0.22	0.00	1.00	0.02	5.09	1.00
Blmbg. Barc. Aggregate Bond Index	0.00	0.00	-	1.00	-0.22	0.00	1.00	0.02	5.09	1.00
90 Day U.S. Treasury Bill	1.11	5.03	0.22	0.04	-	1.26	0.01	1.26	0.34	0.19



### Manager Performance Summary BlackRock Core Plus Universal

As of December 31, 2022

#### **Account Information**

Account Name: BlackRock Core Plus Universal

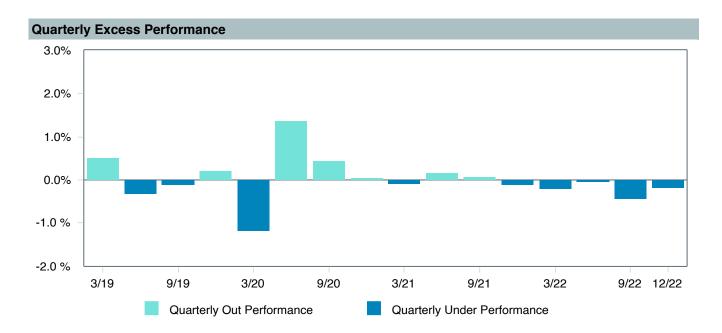
Inception Date: 04/01/1998

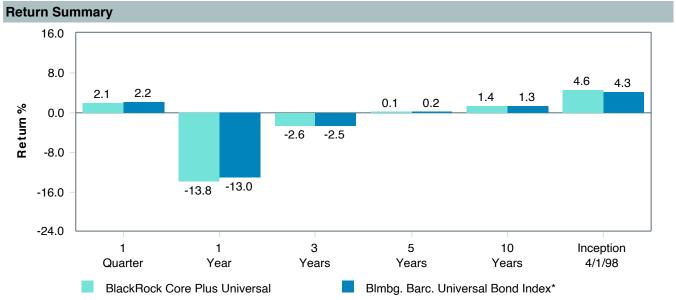
Account Structure: Separate Account

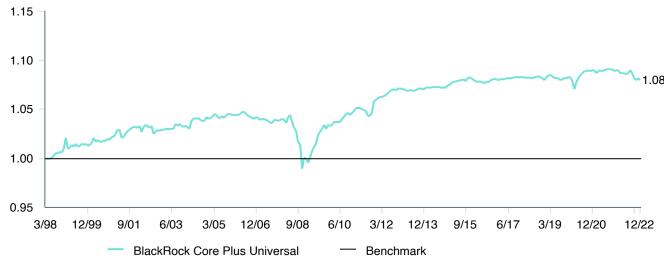
Asset Class: US Fixed Income

Benchmark: Blmbg. Barc. Universal Bond Index\*

Peer Group: IM U.S. Broad Market Core+ Fixed Income (SA+CF)









### **BlackRock Core Plus Universal**

1.2

144

-16.0

143

-16.0

143

As of December 31, 2022



-3.3

138

0.1

-0.4

130

-1.1

-1.7

150

0.9

112

7.7

3.9

157

Parentheses contain percentile rankings.

95th Percentile

Population

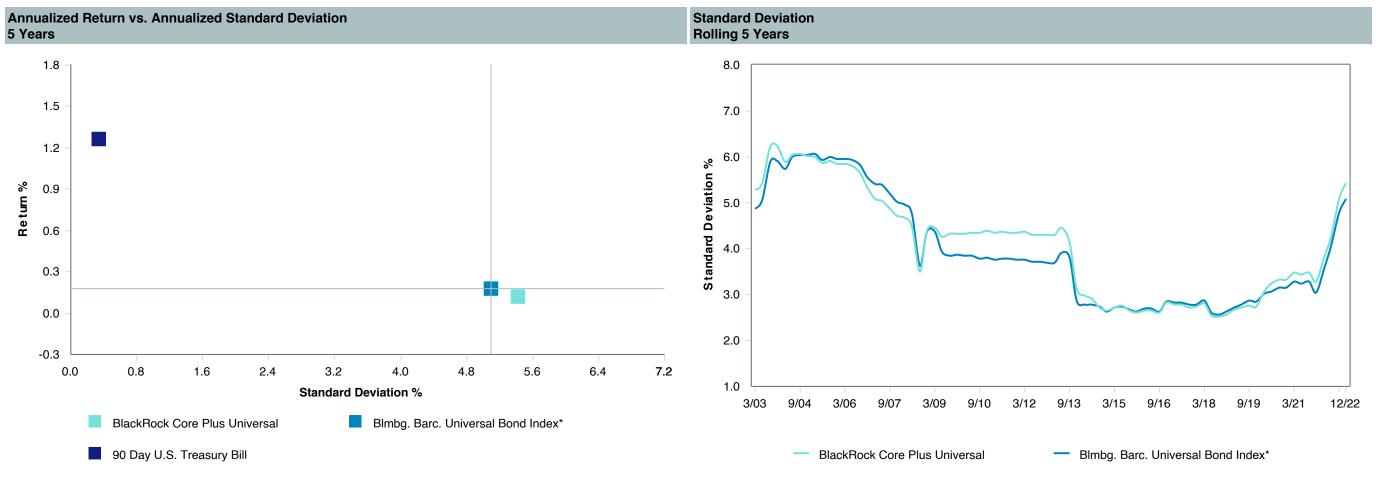


8.7

6.6

161

### Risk Profile BlackRock Core Plus Universal



5 Years Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
BlackRock Core Plus Universal	-0.04	0.73	-0.06	0.98	-0.18	-0.06	1.06	0.12	5.43	0.99
Blmbg. Barc. Universal Bond Index*	0.00	0.00	-	1.00	-0.19	0.00	1.00	0.18	5.09	1.00
90 Day U.S. Treasury Bill	0.95	5.05	0.19	0.02	-	1.26	0.01	1.26	0.34	0.14



## **Manager Performance Summary PIMCO**

As of December 31, 2022

#### **Account Information**

Account Name: PIMCO

Inception Date: 04/01/1998

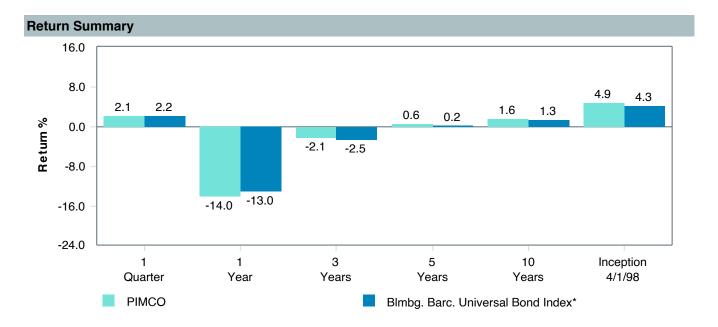
Account Structure: Separate Account

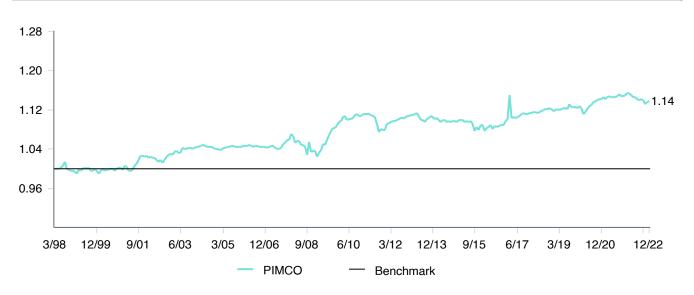
Asset Class: US Fixed Income

Benchmark: Blmbg. Barc. Universal Bond Index\*

Peer Group: IM U.S. Broad Market Core+ Fixed Income (SA+CF)

#### **Quarterly Excess Performance** 4.0% 2.0% 0.0% -2.0 % -4.0 % 3/18 9/18 9/19 3/20 9/20 3/21 9/21 3/22 12/22 Quarterly Out Performance Quarterly Under Performance

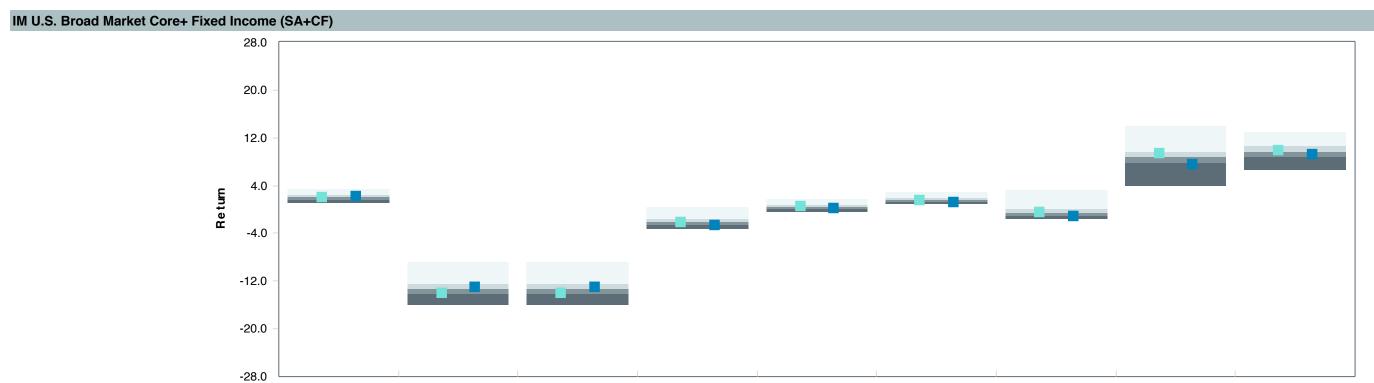






## **PIMCO**

As of December 31, 2022

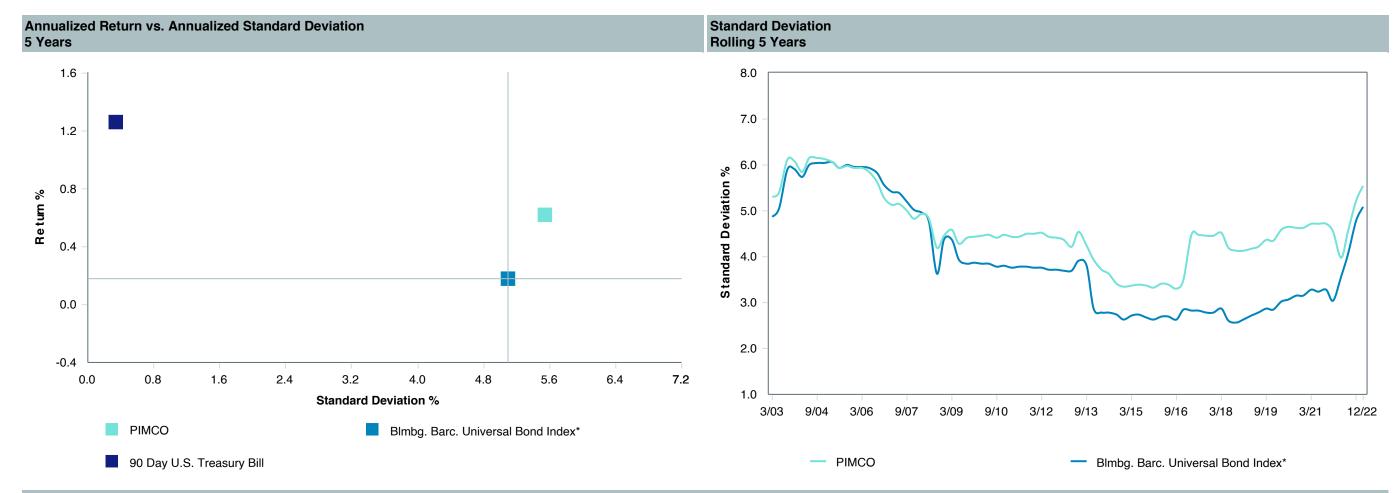


	1 Quarter	Year to Date	1 Year	3 Years	5 Years	10 Years	2021	2020	2019
PIMCO	2.1 (42)	-14.0 (75)	-14.0 (75)	-2.1 (52)	0.6 (37)	1.6 (51)	-0.4 (42)	9.4 (30)	10.0 (40)
■ Blmbg. Barc. Universal Bond Index*	2.2 (36)	-13.0 (42)	-13.0 (42)	-2.5 (73)	0.2 (72)	1.3 (71)	-1.1 (75)	7.6 (80)	9.3 (59)
5th Percentile	3.4	-8.8	-8.8	0.5	1.8	2.9	3.3	14.0	12.9
1st Quartile	2.5	-12.5	-12.5	-1.6	0.8	2.0	0.1	9.6	10.6
Median	2.0	-13.3	-13.3	-2.1	0.5	1.6	-0.5	8.7	9.6
3rd Quartile	1.6	-14.1	-14.1	-2.6	0.1	1.3	-1.1	7.7	8.7
95th Percentile	1.2	-16.0	-16.0	-3.3	-0.4	0.9	-1.7	3.9	6.6
Population	144	143	143	138	130	112	150	157	161

Parentheses contain percentile rankings.



### **Risk Profile PIMCO**



5 Years Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
PIMCO	0.46	1.10	0.42	0.96	-0.09	0.44	1.07	0.62	5.54	0.98
Blmbg. Barc. Universal Bond Index*	0.00	0.00	-	1.00	-0.19	0.00	1.00	0.18	5.09	1.00
90 Day U.S. Treasury Bill	0.95	5.05	0.19	0.02	-	1.26	0.01	1.26	0.34	0.14



## **Manager Performance Summary Baird**

As of December 31, 2022

#### **Account Information**

Account Name: Baird

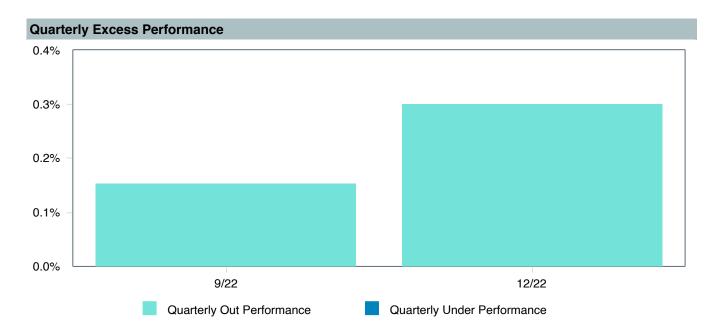
Inception Date: 04/01/2022

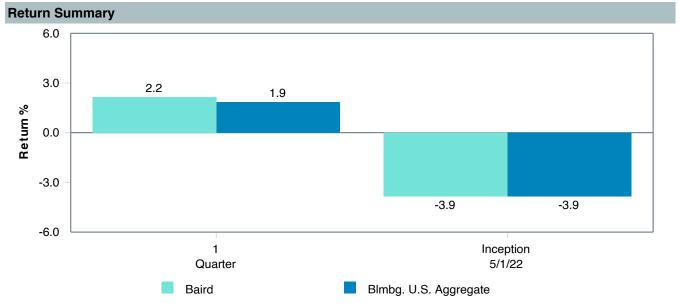
Account Structure:

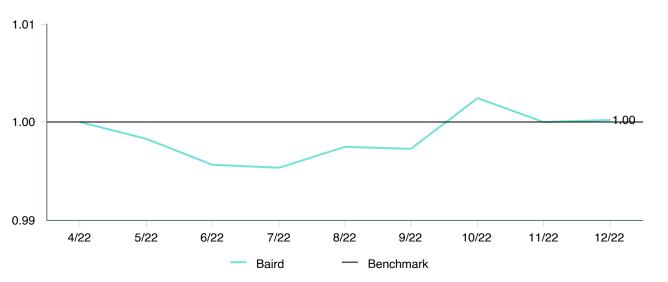
Asset Class: US Fixed Income

Benchmark: Blmbg. U.S. Aggregate

Peer Group:

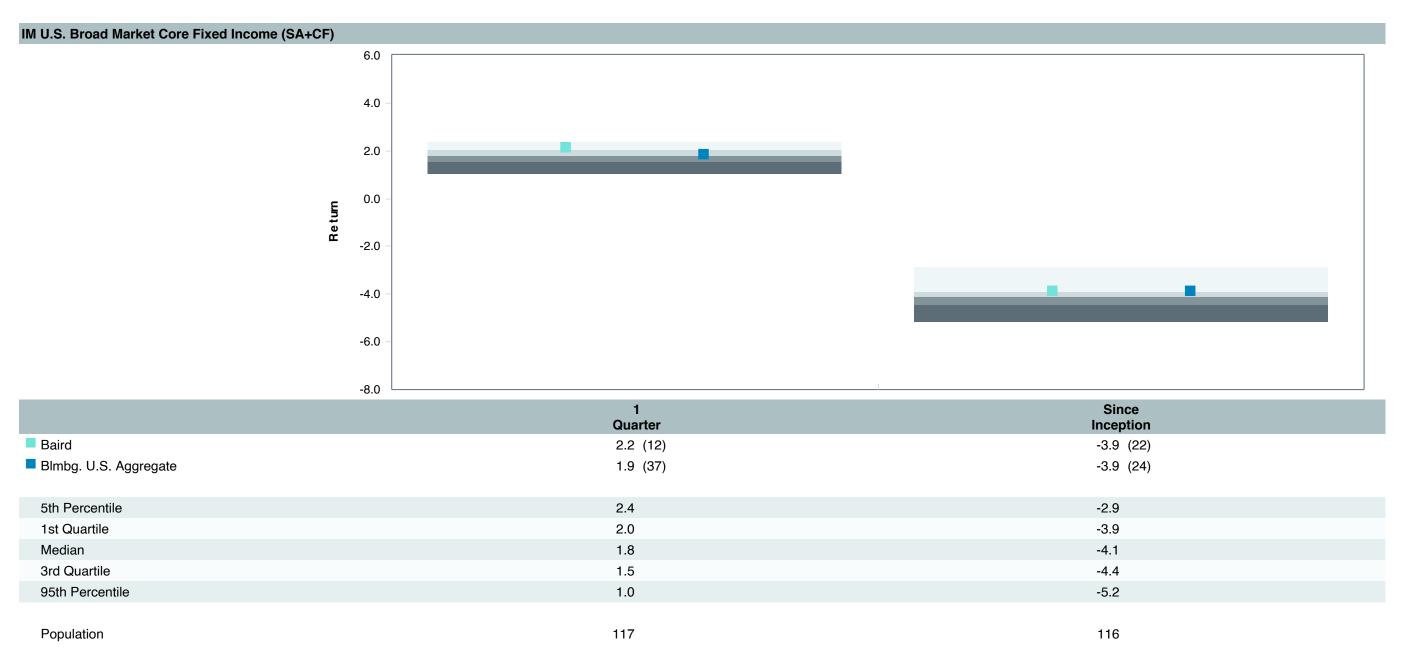


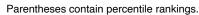






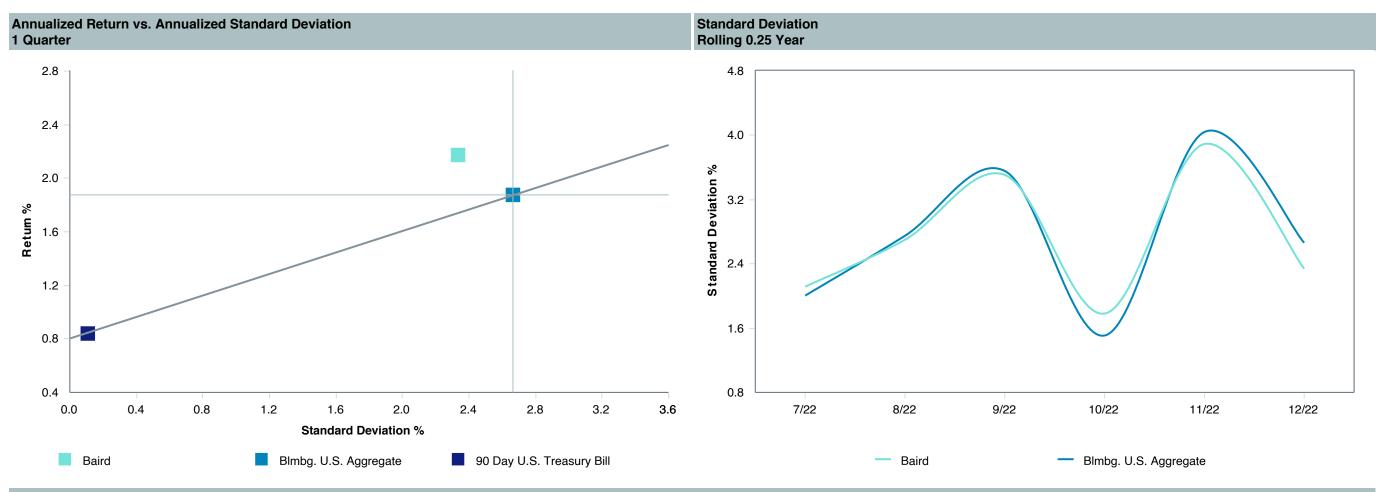
### **Baird**







### **Risk Profile Baird**



1 Quarter Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
Baird	0.09	0.39	0.24	0.99	0.20	0.17	0.87	2.17	2.33	1.00
Blmbg. U.S. Aggregate	0.00	0.00	-	1.00	0.14	0.00	1.00	1.87	2.66	1.00
90 Day U.S. Treasury Bill	-0.36	2.61	-0.14	0.23	-	0.27	0.02	0.84	0.11	0.48



### **Manager Performance Summary Loomis Sayles**

As of December 31, 2022

#### **Account Information**

Account Name: Loomis Sayles

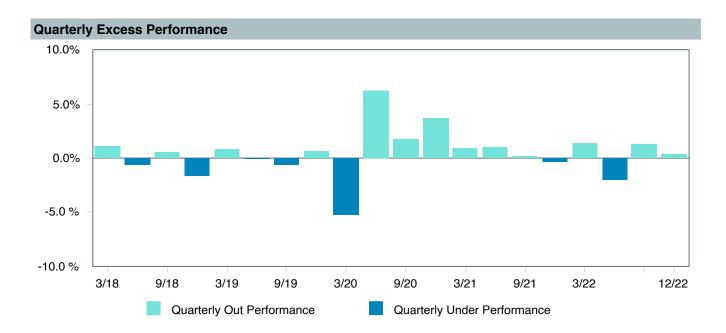
Inception Date: 07/01/2006

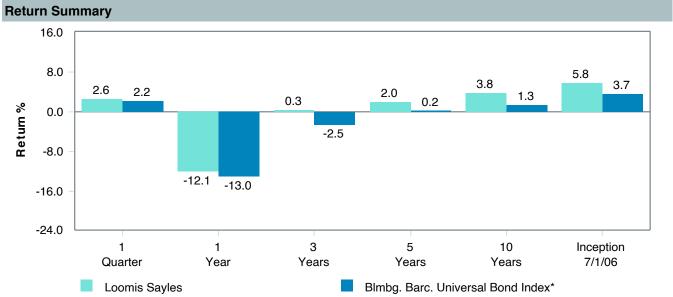
Account Structure: Separate Account

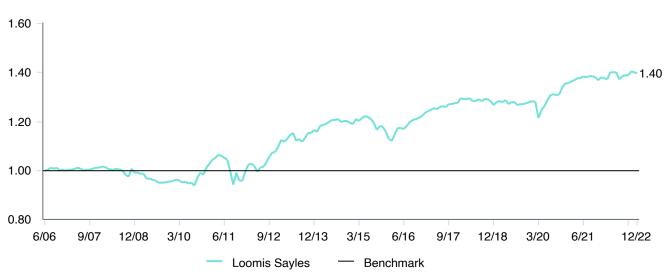
Asset Class: US Fixed Income

Benchmark: Blmbg. Barc. Universal Bond Index\*

Peer Group: IM U.S. Broad Market Core+ Fixed Income (SA+CF)









# **Loomis Sayles**

As of December 31, 2022

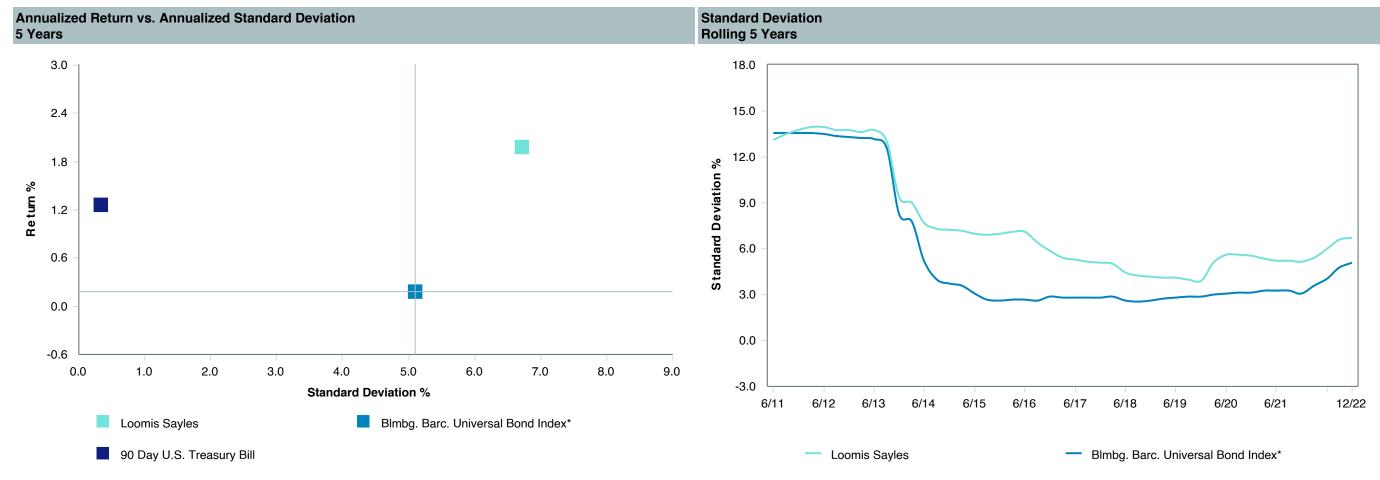


1 Quarter	Year to Date	1 Year	3 Years	5 Years	10 Years	2021	2020	2019
2.6 (21)	-12.1 (20)	-12.1 (20)	0.3 (6)	2.0 (4)	3.8 (1)	0.6 (20)	14.1 (5)	10.2 (33)
2.2 (36)	-13.0 (42)	-13.0 (42)	-2.5 (73)	0.2 (72)	1.3 (71)	-1.1 (75)	7.6 (80)	9.3 (59)
3.4	-8.8	-8.8	0.5	1.8	2.9	3.3	14.0	12.9
2.5	-12.5	-12.5	-1.6	0.8	2.0	0.1	9.6	10.6
2.0	-13.3	-13.3	-2.1	0.5	1.6	-0.5	8.7	9.6
1.6	-14.1	-14.1	-2.6	0.1	1.3	-1.1	7.7	8.7
1.2	-16.0	-16.0	-3.3	-0.4	0.9	-1.7	3.9	6.6
144	1/12	1/12	130	130	110	150	157	161
	2.6 (21) 2.2 (36) 3.4 2.5 2.0 1.6	Quarter         Date           2.6 (21)         -12.1 (20)           2.2 (36)         -13.0 (42)           3.4         -8.8           2.5         -12.5           2.0         -13.3           1.6         -14.1           1.2         -16.0	Quarter         Date         Year           2.6 (21)         -12.1 (20)         -12.1 (20)           2.2 (36)         -13.0 (42)         -13.0 (42)           3.4         -8.8         -8.8           2.5         -12.5         -12.5           2.0         -13.3         -13.3           1.6         -14.1         -14.1           1.2         -16.0         -16.0	Quarter         Date         Year         Years           2.6 (21)         -12.1 (20)         -12.1 (20)         0.3 (6)           2.2 (36)         -13.0 (42)         -13.0 (42)         -2.5 (73)           3.4         -8.8         -8.8         0.5           2.5         -12.5         -12.5         -1.6           2.0         -13.3         -13.3         -2.1           1.6         -14.1         -14.1         -2.6           1.2         -16.0         -16.0         -3.3	Quarter         Date         Year         Years         Years           2.6 (21)         -12.1 (20)         -12.1 (20)         0.3 (6)         2.0 (4)           2.2 (36)         -13.0 (42)         -13.0 (42)         -2.5 (73)         0.2 (72)           3.4         -8.8         -8.8         0.5         1.8           2.5         -12.5         -12.5         -1.6         0.8           2.0         -13.3         -13.3         -2.1         0.5           1.6         -14.1         -14.1         -2.6         0.1           1.2         -16.0         -16.0         -3.3         -0.4	Quarter         Date         Year         Years         Years         Years           2.6 (21)         -12.1 (20)         -12.1 (20)         0.3 (6)         2.0 (4)         3.8 (1)           2.2 (36)         -13.0 (42)         -13.0 (42)         -2.5 (73)         0.2 (72)         1.3 (71)           3.4         -8.8         -8.8         0.5         1.8         2.9           2.5         -12.5         -12.5         -1.6         0.8         2.0           2.0         -13.3         -13.3         -2.1         0.5         1.6           1.6         -14.1         -14.1         -2.6         0.1         1.3           1.2         -16.0         -16.0         -3.3         -0.4         0.9	Quarter         Date         Year         Years         Years         Years         Years         2021           2.6 (21)         -12.1 (20)         -12.1 (20)         0.3 (6)         2.0 (4)         3.8 (1)         0.6 (20)           2.2 (36)         -13.0 (42)         -13.0 (42)         -2.5 (73)         0.2 (72)         1.3 (71)         -1.1 (75)           3.4         -8.8         -8.8         0.5         1.8         2.9         3.3           2.5         -12.5         -12.5         -1.6         0.8         2.0         0.1           2.0         -13.3         -13.3         -2.1         0.5         1.6         -0.5           1.6         -14.1         -14.1         -2.6         0.1         1.3         -1.1           1.2         -16.0         -16.0         -3.3         -0.4         0.9         -1.7	Quarter         Date         Year         Years         Years <th< td=""></th<>

Parentheses contain percentile rankings.



### **Risk Profile Loomis Sayles**



5 Years Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
Loomis Sayles	1.88	3.74	0.50	0.70	0.14	1.87	1.10	1.98	6.71	0.83
Blmbg. Barc. Universal Bond Index*	0.00	0.00	-	1.00	-0.19	0.00	1.00	0.18	5.09	1.00
90 Day U.S. Treasury Bill	0.95	5.05	0.19	0.02	-	1.26	0.01	1.26	0.34	0.14



# **Manager Performance Summary PIMCO DIV INC**

As of December 31, 2022

#### **Account Information**

Account Name: PIMCO DIV INC

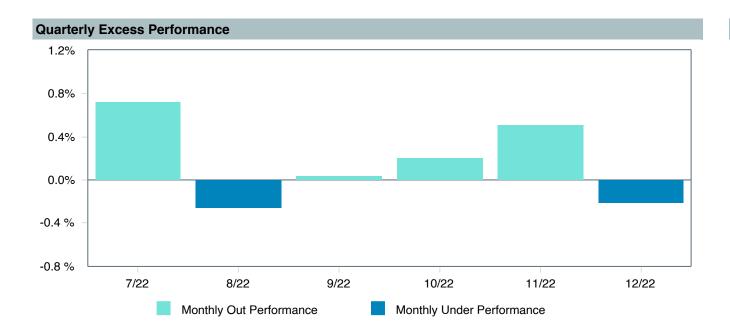
Inception Date: 04/01/2022

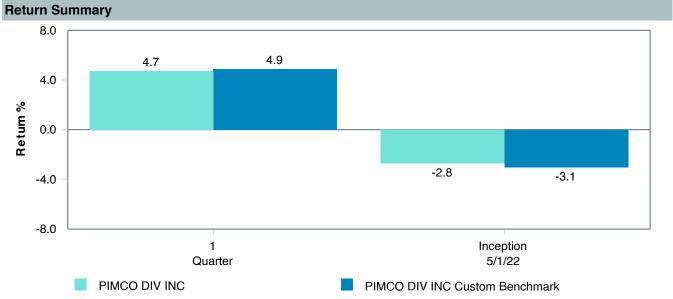
Account Structure:

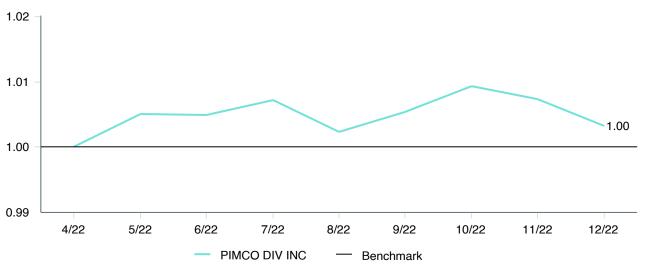
Asset Class: US Fixed Income

Benchmark: PIMCO DIV INC Custom Benchmark

Peer Group:

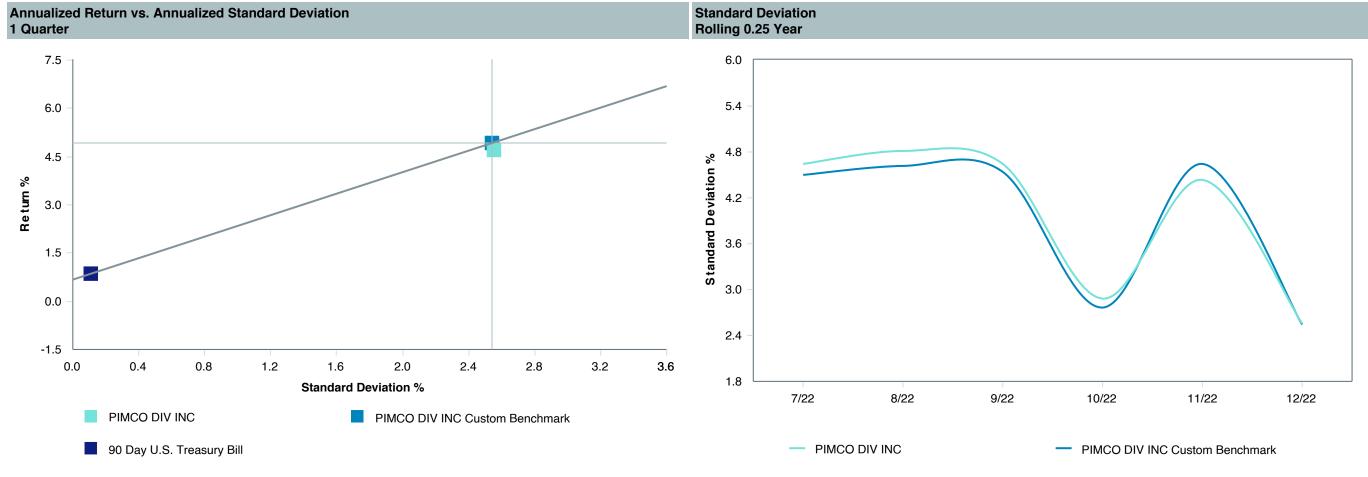








### **Risk Profile PIMCO DIV INC**



1 Quarter Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
PIMCO DIV INC	-0.07	0.42	-0.16	0.97	0.50	-0.06	0.99	4.71	2.56	0.99
PIMCO DIV INC Custom Benchmark	0.00	0.00	-	1.00	0.54	0.00	1.00	4.93	2.54	1.00
90 Day U.S. Treasury Bill	-1.36	2.53	-0.54	0.01	-	0.27	0.00	0.84	0.11	0.11



### **Manager Performance Summary Barings**

As of December 31, 2022

#### **Account Information**

Account Name: Barings

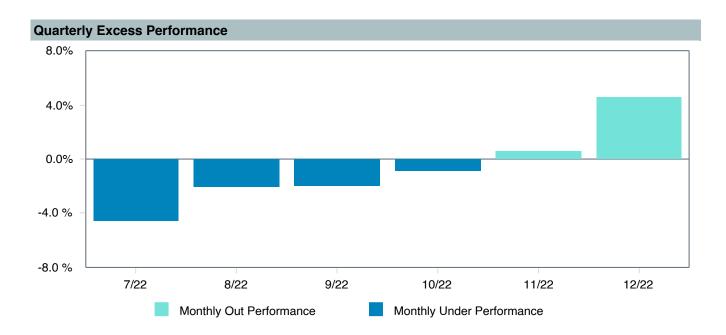
Inception Date: 04/01/2022

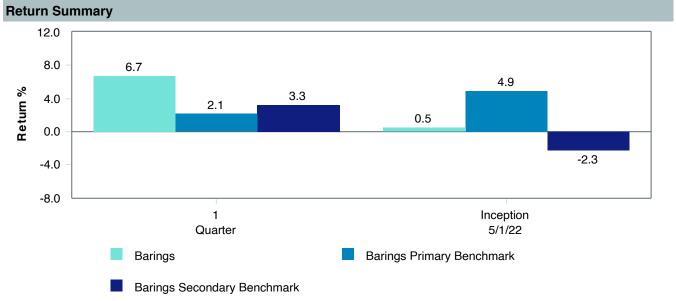
Account Structure:

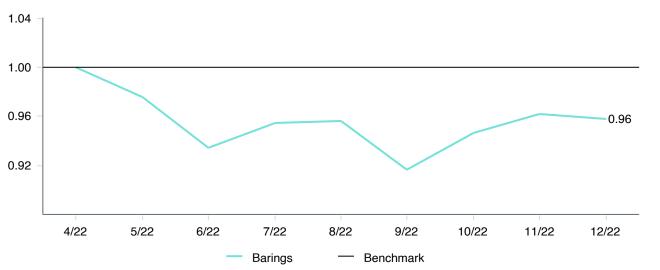
Asset Class: US Fixed Income

Benchmark: Barings Primary Benchmark

Peer Group:

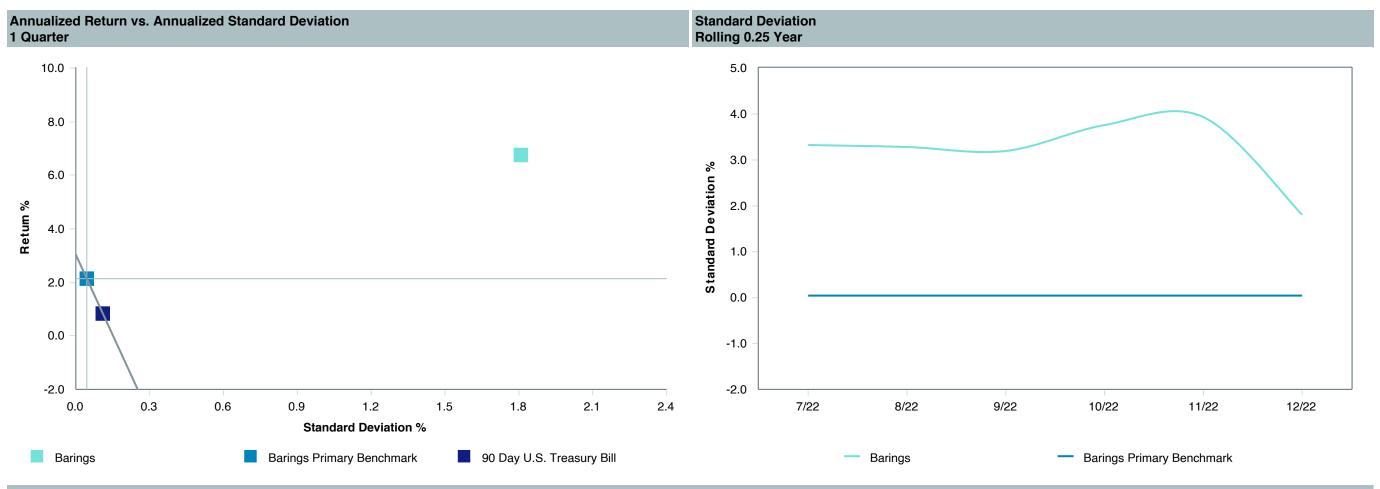








### **Risk Profile Barings**



1 Quarter Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
Barings	1.50	1.85	0.81	0.94	1.01	30.60	-40.02	6.74	1.81	-0.97
Barings Primary Benchmark	0.00	0.00	-	1.00	6.53	0.00	1.00	2.14	0.04	1.00
90 Day U.S. Treasury Bill	-0.43	0.07	-6.53	0.98	-	-1.47	2.46	0.84	0.11	0.99



### Manager Performance Summary Franklin Templeton

As of December 31, 2022

#### **Account Information**

Account Name: Franklin Templeton

Inception Date: 07/01/2014

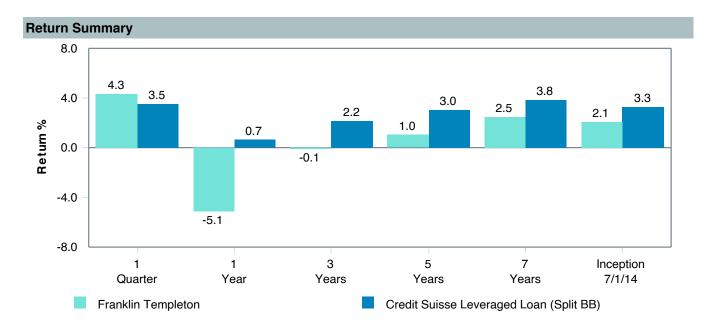
Account Structure:

Asset Class: US Fixed Income

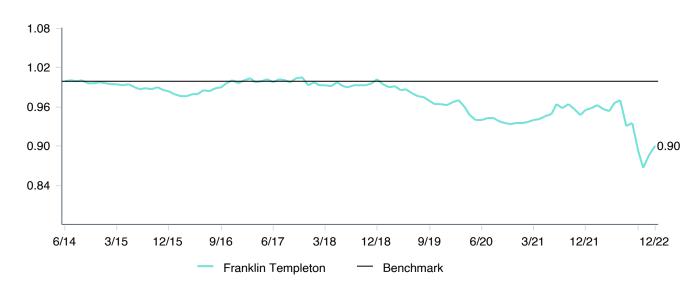
Benchmark: Credit Suisse Leveraged Loan (Split BB)

Peer Group: IM U.S. Bank Loans (SA+CF)

#### **Quarterly Excess Performance** 8.0% 4.0% 0.0% -4.0 % -8.0 % -12.0 % 3/18 9/18 3/19 9/19 3/20 9/20 3/21 9/21 3/22 12/22 Quarterly Out Performance Quarterly Under Performance



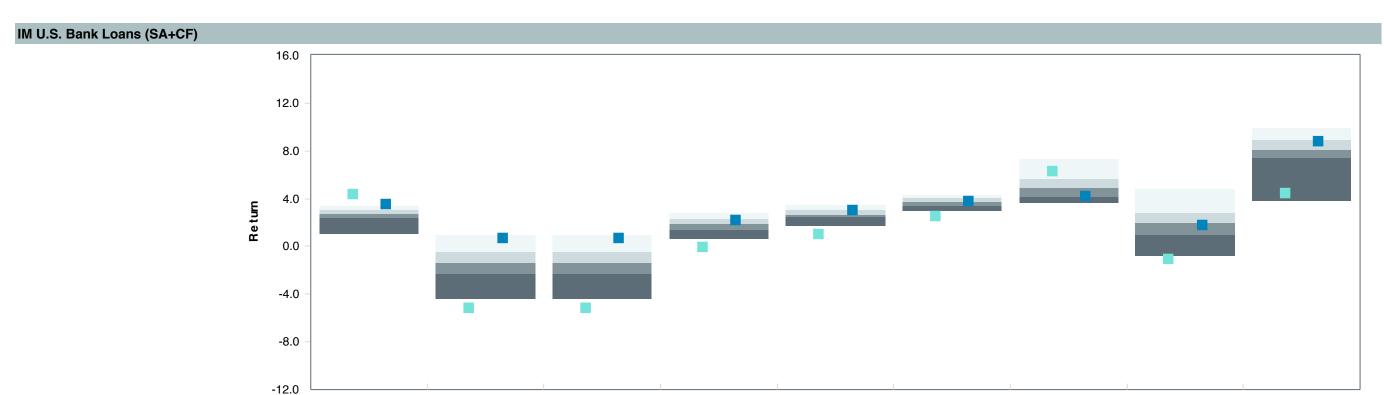






# **Franklin Templeton**

As of December 31, 2022

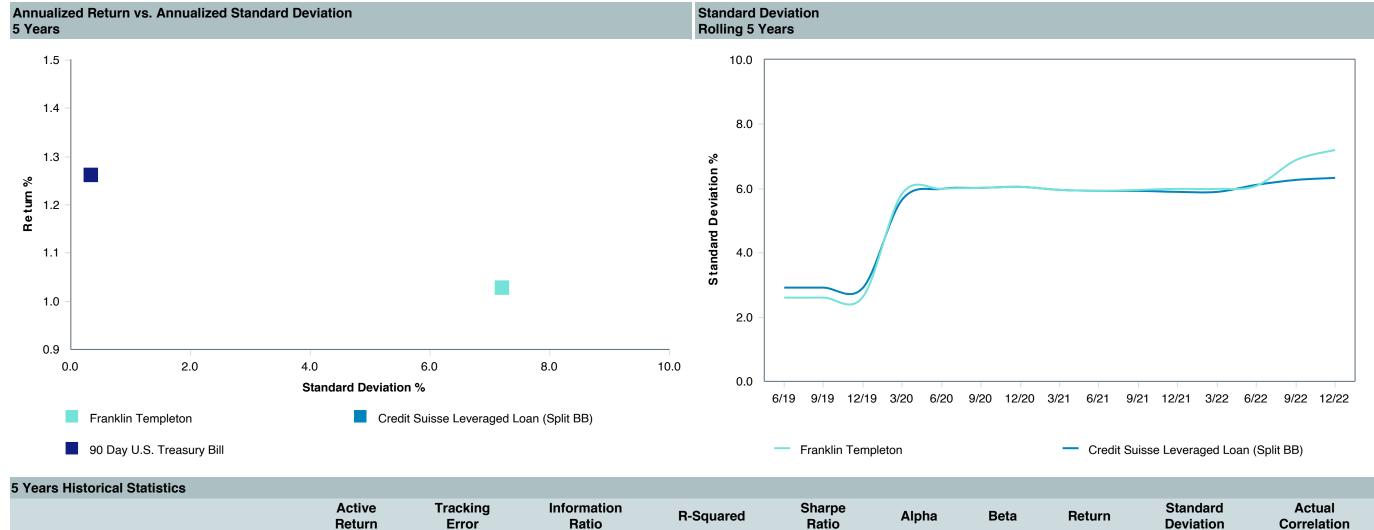


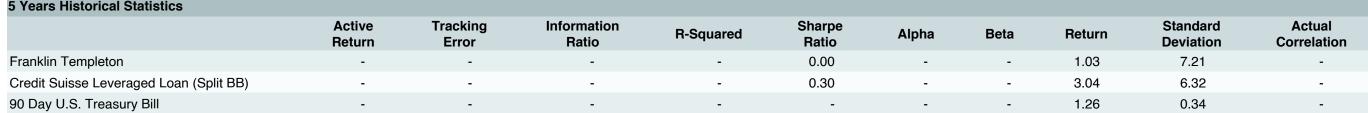
12.0									
	1 Quarter	Year to Date	1 Year	3 Years	5 Years	7 Years	2021	2020	2019
Franklin Templeton	4.3 (1)	-5.1 (98)	-5.1 (98)	-0.1 (100)	1.0 (100)	2.5 (100)	6.3 (8)	-1.1 (96)	4.5 (94)
Credit Suisse Leveraged Loan (Split BB)	3.5 (1)	0.7 (9)	0.7 (9)	2.2 (30)	3.0 (25)	3.8 (39)	4.2 (72)	1.8 (59)	8.9 (27)
5th Percentile	3.4	1.0	1.0	2.8	3.5	4.3	7.3	4.8	9.9
1st Quartile	3.0	-0.4	-0.4	2.3	3.0	4.0	5.6	2.8	8.9
Median	2.7	-1.4	-1.4	1.8	2.6	3.8	4.9	2.0	8.0
3rd Quartile	2.3	-2.3	-2.3	1.4	2.4	3.4	4.1	0.9	7.4
95th Percentile	1.0	-4.4	-4.4	0.6	1.7	3.0	3.7	-0.8	3.8
Population	49	49	49	48	47	45	50	51	54

Parentheses contain percentile rankings.



### **Risk Profile Franklin Templeton**





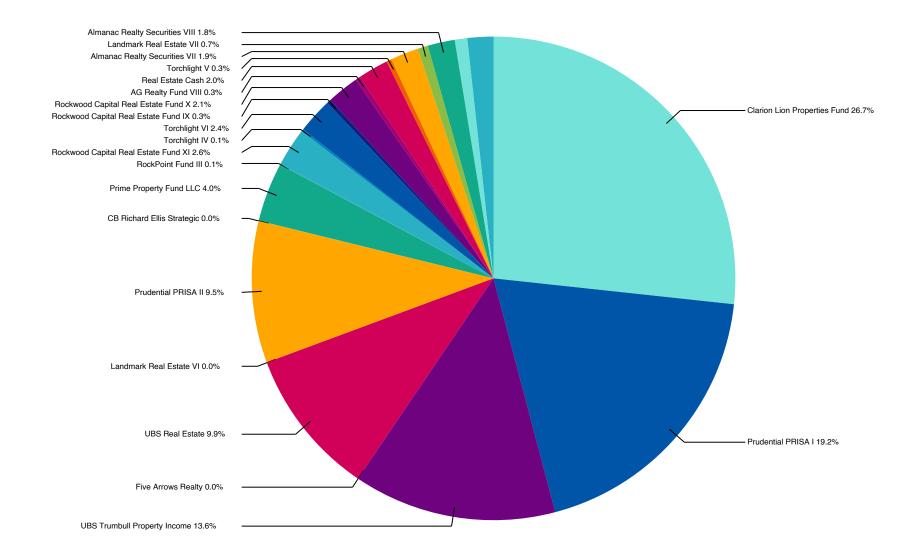


# **Total Real Estate**



### **Total Real Estate**

#### December 31, 2022: \$1,043,036,446





# **Defined Benefit Plan Watchlist**

# As of December 31, 2022

**DB Plan** 

**Investment Watchlist Summary** 

	1	2	3	4	5	6	Watch Li	st Status
	<b>During Trailing</b>	Underperformed in 3 of 4 Trailing Calendar Quarters	Strategy and/or	Adverse Change in Portfolio Manager	Weak Manager Research Rating	Significant Organizational Change	4th Quarter 2022	3rd Quarter 2022
DFA	No	No	No	No	No	No		
BlackRock Russell 1000 Index*	No	No	No	No	No	No		
BlackRock ACWI ex-U.S. IMI Index	No	No	No	No	No	No		
Arrowstreet	No	No	No	No	No	No		
MFS	No	No	No	No	No	No		
Wellingtion Equity	No	No	No	No	No	No		
Dodge & Cox	No	No	No	No	No	No		
BlackRock Core Plus Universal	No	No	No	No	No	No		
PIMCO	No	No	No	No	No	No		
BlackRock Aggregate Bond Index*	No	No	No	No	No	No		
Baird	N/A	N/A	No	No	No	No		
Loomis Sayles	No	No	No	No	No	No		
PIMCO DIV INC	N/A	N/A	No	No	No	No		
Barings	N/A	N/A	No	No	No	No		
Franklin Templeton	Yes	No	No	No	No	No		

<sup>\*</sup>Tracking Error of 10 to 20 basis points is typical for index funds.

- The table below provides a "Suggested Action" based on the number of affirmative responses received to the questions noted above.
- Changes in Watch List designations from the previous quarter are highlighted in red.

Status	Number of Criteria Met	Suggested Action
	Less than 2	Active - No action required
	2 to 3	Active – On "closely monitored" list
	4	Closed – all allocations to the fund must be stopped, but accumulated balances may remain Invested
	Greater than 4	Closed Out - All invested balances must be moved to another active option



**Defined Contribution Option and** 



#### **Asset Allocation & Performance**

	Allocatio	n				Performance %			
	Market Value \$	%	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Total Defined Cont. & Deferred Comp.	1,116,560,865	100.0							
Tier I - Asset Allocation Funds	572,362,010	51.3							
LifePath Index Retirement Fund	175,683,346	15.7	4.7 (33)	-14.6 (81)	-	-	-	-4.4 (73)	01/01/2021
BlackRock LifePath Index Retirement Custom Benchmark			4.7	-14.5	=	<del>-</del>	-	-4.4	
LifePath Index 2025 Fund	127,949,358	11.5	5.3 (77)	-15.2 (40)	-		-	-3.8 (72)	01/01/2021
BlackRock LifePath Index 2025 Custom Benchmark			5.3	-15.2	-	-	-	-3.8	
LifePath Index 2030 Fund	112,964,737	10.1	6.5 (74)	-15.9 (43)	-	-	-	-3.2 (57)	01/01/2021
BlackRock LifePath Index 2030 Custom Benchmark			6.4	-15.9	-	<del>-</del>	-	-3.2	
LifePath Index 2035 Fund	70,387,531	6.3	7.5 (61)	-16.6 (41)	-	-	-	-2.6 (40)	01/01/2021
BlackRock LifePath Index 2035 Custom Benchmark			7.4	-16.7	-	<del>-</del>	-	-2.6	
LifePath Index 2040 Fund	40,499,275	3.6	8.5 (48)	-17.3 (43)	-	-	-	-2.0 (44)	01/01/2021
BlackRock LifePath Index 2040 Custom Benchmark			8.3	-17.4	-	<del>-</del>	-	-2.1	
LifePath Index 2045 Fund	10,385,344	0.9	9.4 (22)	-17.8 (44)	-	-	-	-1.6 (35)	01/01/2021
BlackRock LifePath Index 2045 Custom Benchmark			9.2	-18.0	-	<del>-</del>	-	-1.7	
LifePath Index 2050 Fund	2,898,049	0.3	9.9 (17)	-18.1 (52)	-	-	-	-1.4 (28)	01/01/2021
BlackRock LifePath Index 2050 Custom Benchmark			9.6	-18.3	-	-	-	-1.6	
LifePath Index 2055 Fund	2,020,479	0.2	10.0 (15)	-18.2 (54)	-	-	-	-1.4 (28)	01/01/2021
BlackRock LifePath Index 2055 Custom Benchmark			9.7	-18.4	-	<del>-</del>	-	-1.5	
LifePath Index 2060 Fund	1,327,157	0.1	9.9 (20)	-18.2 (56)	-	-	-	-1.4 (34)	01/01/2021
BlackRock LifePath Index 2060 Custom Benchmark			9.7	-18.4	-	<del>-</del>	-	-1.5	
LifePath Index 2065 Fund	1,430,365	0.1	9.9 (19)	-18.2 (42)	-	-	-	-1.4 (24)	01/01/2021
BlackRock LifePath Index 2065 Custom Benchmark			9.7	-18.4	-	-	-	-1.5	
Investor Select Fund	26,816,369	2.4	7.6	-17.2	2.9	4.6	7.0	6.5	10/01/2005
Performance Benchmark			7.0	-17.2	2.6	4.5	7.0	6.2	



### **Asset Allocation & Performance**

	Allocatio	n				Performance %			
	Market Value \$	%	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Tier II - Passive Funds	367,636,952	32.9							
U.S. Bond Index Fund	15,729,827	1.4	1.7	-13.0	-2.7	0.0	1.1	4.0	01/01/1998
Blmbg. U.S. Aggregate			1.9	-13.0	-2.7	0.0	1.1	4.0	
U.S. Total Stock Market Index Fund	324,543,474	29.1	7.2	-19.5	-	-	-	0.6	01/01/2021
Dow Jones U.S. Total Stock Market Index			7.2	-19.5	-	-	<del>-</del>	0.6	
International Stock Index Fund (IMI)	27,363,651	2.5	14.9	-16.2	0.5	1.1	4.2	4.2	04/01/2010
MSCI AC World ex USA IMI (Net)			14.1	-16.6	0.2	0.8	4.0	3.9	
Tier III - Active Funds	176,561,903	15.8							
Stable Value Fund	159,398,906	14.3	0.5	1.8	1.9	2.1	2.1	3.8	01/01/1997
90 Day U.S. Treasury Bill			0.8	1.5	0.7	1.3	0.8	2.0	
U.S. Core Plus Bond Fund	5,476,141	0.5	1.8	-14.1	-	-	-	-7.7	01/01/2021
Blmbg. U.S. Aggregate			1.9	-13.0	-	-	-	-7.5	
Global Equity Fund	11,686,856	1.0	5.6	-29.6	-	-	-	-11.4	01/01/2021
MSCI AC World Index (Net)			9.8	-18.4	-	-	-	-1.6	



## **Investor Select Fund**

	Investor Select Fund
Allocation to Underlying Funds	
DFA Small-Cap Portfolio	3.2%
BlackRock Russell 1000 Index Fund	28.8
BlackRock All Country World Ex-U.S. Index	11.5
MFS Global Equity Fund	19.0
PIMCO Core Plus	7.5
BlackRock Core Plus	7.5
BlackRock U.S. Debt Index	5.0
PIMCO MAC	10.0
Goldman Sachs Real Estate	7.5
Total Fund Assets	100.0%

The Investor Select Fund allocates 62.5% to stocks, 30% to bonds, and 7.5% to real estate.



# Defined Cont. and Deferred Comp. Plan Watchlist

### As of December 31, 2022

#### **DC Plan**

#### **Investment Watchlist Summary**

	1	2	3	4	5	6	Watch Li	st Status
	Underperformed During Trailing 5 Years		Diverged from Strategy and/or Portfolio Characteristics	Adverse Change in Portfolio Manager	Weak Manager Research Rating	Significant Organizational Change	4th Quarter 2022	3rd Quarter 2022
BlackRock LifePath Index Funds	No	No	No	No	No	No		
Investor Select Fund	No	No	No	No	No	No		
U.S. Bond Index Fund	No	No	No	No	No	No		
U.S. Total Stock Market Index Fund	No	No	No	No	No	No		
International Stock Index Fund (IMI)	No	No	No	No	No	No		
Stable Value Fund	No	No	No	No	No	No		
U.S. Core Plus Bond Fund	No	Yes	No	No	No	No		
Global Equity Fund	No	Yes	No	No	No	No		

- The table below provides a "Suggested Action" based on the number of affirmative responses received to the questions noted above.
- Changes in Watch List designations from the previous quarter are highlighted in red.

Status	Number of Criteria Met	Suggested Action
	Less than 2	Active – No action required
	2 to 3	Active – On "closely monitored" list
	4	Closed – all allocations to the fund must be stopped, but accumulated balances may remain Invested
	Greater than 4	Closed Out - All invested balances must be moved to another active option



#### **Total Cash Balance Benefit**



		Allocation					Performance %			
	Market Value \$ (\$)	%	Policy %	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Total Cash Balance Benefit Plan	2,635,310,746	100.0	100.0	6.7	-11.8	4.9	5.7	7.9	7.5	01/01/2003
Policy Benchmark				6.3	-14.7	3.4	4.9	7.3	7.3	
Total U.S. Equity	676,513,144	25.7	27.0	7.6	-18.6	7.4	8.8	12.2	9.9	01/01/2003
Dow Jones U.S. Total Stock Market				7.2	-19.5	6.9	8.7	12.0	10.0	
Dimensional Fund Advisors	71,440,942	2.7		10.3	-13.2	7.4	5.7	10.3	8.9	10/01/2004
Russell 2000 Index*				6.2	-20.4	3.1	4.1	8.7	7.3	
BlackRock Russell 1000 Index	605,072,203	23.0		7.2	-19.2	7.4	9.2	12.4	8.4	10/01/2007
Russell 1000 Index				7.2	-19.1	7.3	9.1	12.4	8.4	
Total Non-U.S. Equity	277,593,723	10.5	11.5	14.2	-16.4	0.4	1.1	4.8	6.5	01/01/2003
MSCI All Country World ex-U.S. IMI*				14.1	-16.6	0.2	0.8	4.0	7.0	
BlackRock ACWI ex-U.S. IMI Index	277,593,723	10.5		14.2	-16.4	0.4	1.1		1.6	12/01/2017
MSCI AC World ex USA IMI (Net)				14.1	-16.6	0.2	0.8		1.3	
Total Global Equity	507,841,729	19.3	19.0	13.9	-12.6	6.3	6.4	8.9	7.7	09/01/2005
MSCI All Country World IMI*				9.8	-18.4	3.9	5.0	7.9	6.4	
MFS	158,421,778	6.0		13.0	-17.3	3.6	5.8	9.0	8.4	10/01/2005
MSCI All Country World IMI*				9.8	-18.4	3.9	5.0	7.9	6.2	
Arrowstreet	170,530,468	6.5		14.9	-12.1	8.8	7.9		11.2	09/01/2016
MSCI AC World IMI (Net)				9.8	-18.4	3.9	5.0		7.8	
Wellington Equity	53,744,017	2.0		11.2	-14.5	5.5	4.4		8.1	09/01/2016
MSCI AC World Small Cap (Net)				10.4	-18.7	3.2	3.2		6.6	
Dodge & Cox	125,125,219	4.7		14.7	-6.1	6.4	5.5		6.7	07/01/2017
MSCI AC World IMI (Net)				9.8	-18.4	3.9	5.0		6.6	



		Allocation					Performance %			
	Market Value \$ (\$)	%	Policy %	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Total Fixed Income	781,982,949	29.7		2.5	-11.6	-1.9	0.5	1.5	3.7	01/01/2003
DB/CBB Total Fixed Income Custom Benchmark				2.8	-12.8	-2.5	0.2	1.4	3.5	
Total Core Fixed Income	518,797,343	19.7	20.0	2.0					-4.2	05/01/2022
Blmbg. U.S. Aggregate				1.9					-3.9	
BlackRock Aggregate Bond Index	122,722,846	4.7		1.7	-13.0	-2.7	0.0	1.1	3.2	07/01/2006
Blmbg. Barc. Aggregate Bond Index				1.9	-13.0	-2.7	0.0	1.1	3.1	
BlackRock Core Plus Universal	129,750,566	4.9		2.1	-13.8	-2.6	0.1	1.4	3.7	01/01/2003
BlackRock Core Plus Benchmark				1.9	-13.2	-2.6	0.1	1.3	3.5	
PIMCO	124,174,061	4.7		2.1	-14.0	-2.1	0.6	1.6	3.8	03/01/2005
PIMCO Core Plus Benchmark				1.9	-13.1	-2.6	0.2	1.3	3.2	
Baird	130,838,038	5.0		2.5					-4.0	05/01/2022
Baird DB/CBB Custom Benchmark				1.9					-4.0	
Opportunistic Cash and Int Rec	4,681	0.0								
CBB GICS and Money Market	11,227,546	0.4								
Total Return Seeking Fixed Income	263,185,606	10.0	10.0	3.5					-3.3	05/01/2022
DB/CBB Custom RS FI Benchmark				4.6					-2.7	
Loomis Sayles	90,561,476	3.4		2.6	-12.1	0.3	2.0	3.8	5.8	07/01/2006
Blmbg. Barc. Universal Bond Index*				2.2	-13.0	-2.5	0.2	1.3	3.7	
PIMCO DIV INC	88,484,130	3.4		5.0					-2.9	05/01/2022
PIMCO DIV INC Custom Benchmark				4.9					-3.1	
Barings	79,479,843	3.0		7.0					6.8	05/01/2022
Barings Primary Benchmark				2.1					4.9	
Barings Secondary Benchmark				3.3					-2.3	
Franklin Templeton	3,473,967	0.1		4.3	-5.1	-0.1	1.0		2.1	07/01/2014
Credit Suisse Leveraged Loan (Split BB)				3.5	0.7	2.2	3.0		3.3	
Opportunistic Fixed Income - PIMCO Bravo II	1,158,526	0.0								
Total Real Estate	188,902,122	7.2	7.5	-1.6	9.3	9.4	7.8	9.2	7.2	12/01/2004
Performance Benchmark*				-5.2	6.5	9.0	7.7	8.9	8.4	
CB Richard Ellis Strategic	28,887	0.0								
Prudential PRISA I	35,307,301	1.3								
UBS Real Estate	18,160,193	0.7								
Rockwood Capital Real Estate Fund IX	527,815	0.0								



	,	Allocation					Performance %			
	Market Value \$ (\$)	%	Policy %	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Prudential PRISA II	17,413,239	0.7								
Five Arrows Realty	5,978	0.0								
RockPoint Fund III	106,088	0.0								
Landmark Real Estate VI	19,508	0.0								
Landmark Real Estate VII	1,269,217	0.0								
AG Realty Fund VIII	604,216	0.0								
UBS Trumbull Property Income	25,001,362	0.9								
Almanac Realty Securities VII	3,478,437	0.1								
Torchlight IV	275,590	0.0								
Torchlight V	613,958	0.0								
Rockwood Capital Real Estate Fund X	3,936,031	0.1								
andmark Real Estate VIII	3,204,767	0.1								
orchlight VI	4,344,303	0.2								
Almanac Realty Securities VIII	3,329,580	0.1								
Clarion Lion Properties Fund	49,159,815	1.9								
Forchlight Debt Opportunity	22,505,901	0.9								
Kayne Anderson RE VI	1,530,553	0.1								
Prime Property Fund LLC	7,277,489	0.3								
Real Estate Cash	3,728,658	0.1								
Total Private Equity	202,477,078	7.7	5.0	2.6	12.6	25.6	21.1	17.2	8.5	09/01/2005
Dow Jones U.S. Total Stock Market + 3%				8.0	-17.1	10.1	11.9	15.4	12.1	
Abbott Capital	319,746	0.0								
Pathway	642,091	0.0								
Sun Capital	315,969	0.0								
Oover Street VIII	434,870	0.0								
CMEA Ventures VII	693,027	0.0								
New Mountain Partners III	157,589	0.0								
New Mountain Partners IV	1,432,581	0.1								
New Mountain Partners, V	13,020,317	0.5								
Citigroup Venture Capital International	489,666	0.0								
Resolute Fund III	2,104,167	0.1								
BridgePoint Europe IV	659,737	0.0								



		Allocation					Performance %			
	Market Value \$ (\$)	%	Policy %	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Quantum Energy Partners V	192,596	0.0								
Quantum Energy Partners VI	6,712,890	0.3								
CVC European Equity Partners	2,641,941	0.1								
CVC European Equity Partners V	120,935	0.0								
Fulcrum Growth Partners IV	229,370	0.0								
Ares Corporate Opp Fund III	46,084	0.0								
Ares Corporate Opportunities Fund IV	1,127,682	0.0								
New Enterprise Associates 13	770,116	0.0								
New Enterprise Associates 14	4,844,264	0.2								
Lincolnshire Equity Partners IV	837,290	0.0								
Merit Mezzanine Fund V	357,658	0.0								
Ares Mezzanine Fund Partners	9,522	0.0								
ightyear Fund III	254,621	0.0								
EIF U.S. Power Fund IV	1,480,736	0.1								
McCarthy Capital Fund V	1,032,567	0.0								
Green Equity Investors VI	3,028,372	0.1								
Vayzata Opp Fund III	478,389	0.0								
Accell KKR Capital Partners IV		0.0								
Beecken Petty O'Keefe & Co. IV	2,103,947	0.1								
Pine Brook Capital Partners II	3,857,392	0.1								
EMG III LP	2,869,260	0.1								
Francisco Partners IV	2,959,205	0.1								
Wynnchurch Capital Partners IV	4,887,605	0.2								
BridgePoint Europe V	2,009,448	0.1								
McCarthy Capital Fund VI	10,777,651	0.4								
Dover Street IX	4,754,508	0.2								
Green Equity Investors VII	9,736,489	0.4								
Quantum Energy Partners VII	7,434,575	0.3								
Ares Corporate Opp Fund V	7,566,488	0.3								
Genstar Cap Ptr VIII L.P.	12,756,905	0.5								
Francisco Partners V	9,908,096	0.4								
Resolute Fund IV	11,368,480	0.4								

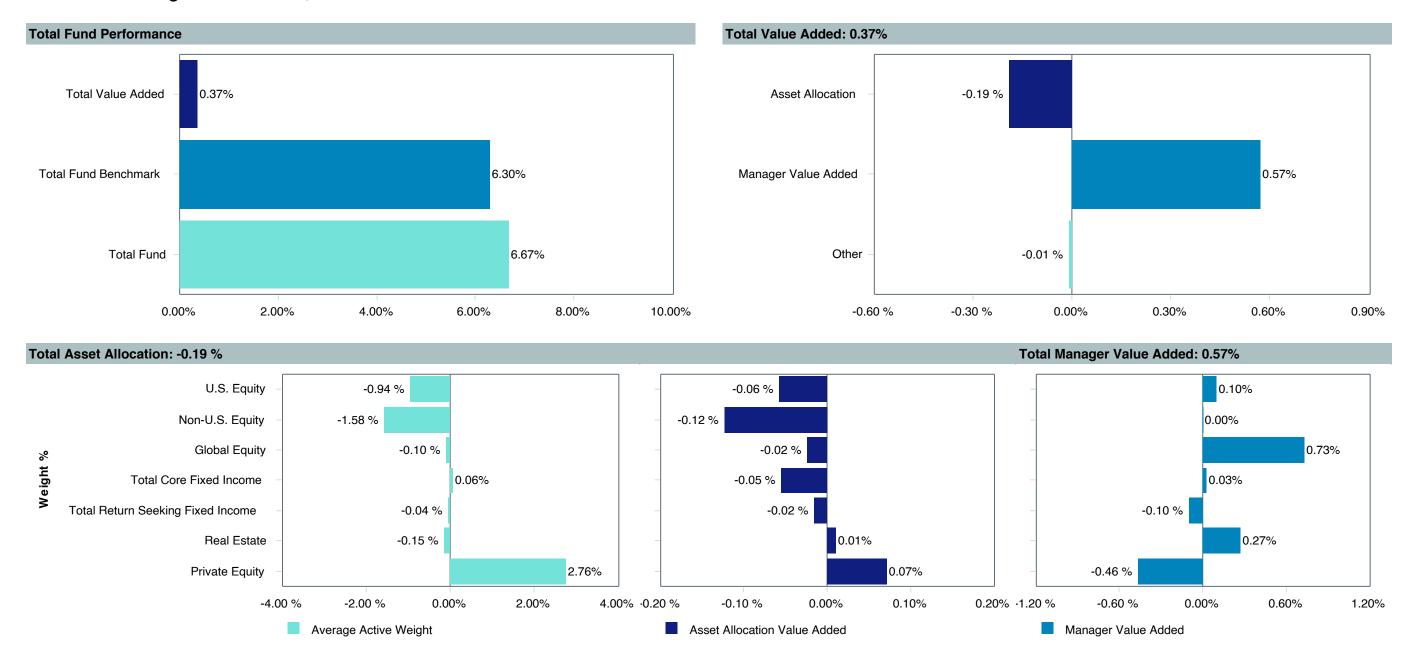


		Allocation					Performance %			
	Market Value \$ (\$)	%	Policy %	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
BridgePoint Europe VI	7,502,495	0.3								
Genstar Cap Ptr IX LP	9,693,775	0.4								
New Enterprise Associates 17	6,080,633	0.2								
Dover Street X	31,589,219	1.2								
Wynnchurch Capital Partners V	4,995,299	0.2								
Private Equity Cash	21,002,220	0.8								



#### **Total Fund Attribution**

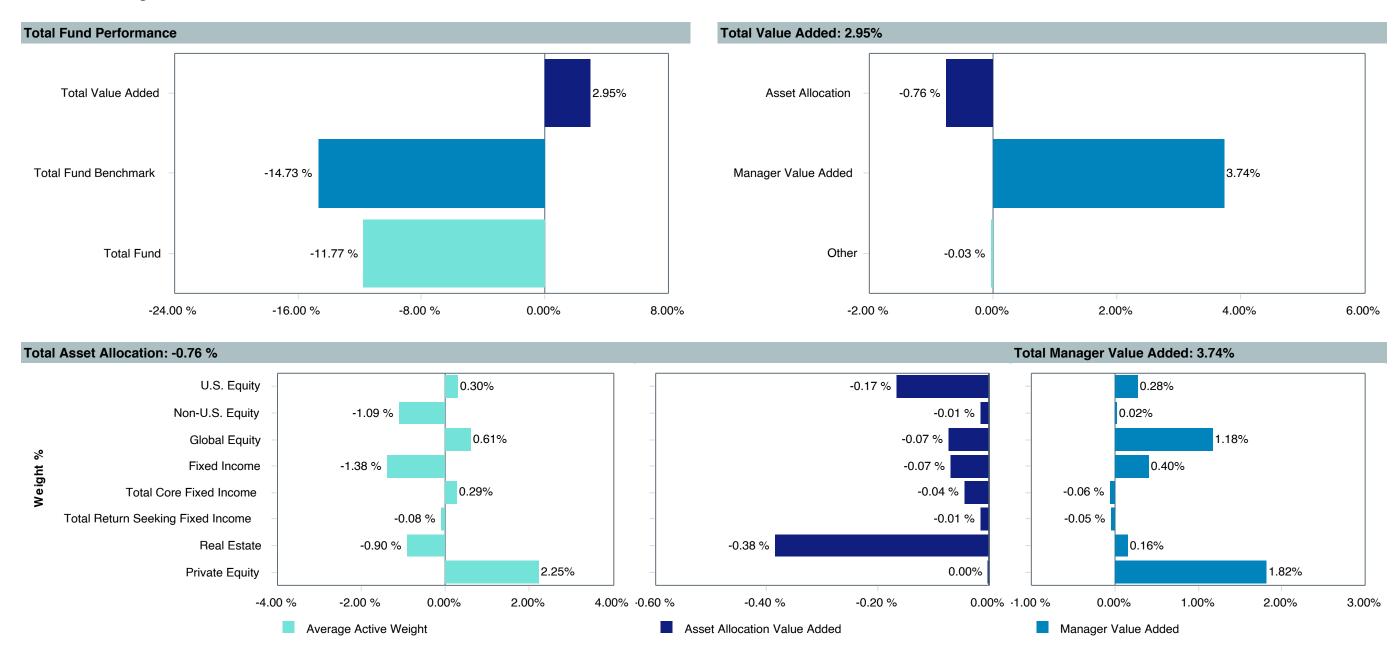
1 Quarter Ending December 31, 2022





#### **Total Fund Attribution**

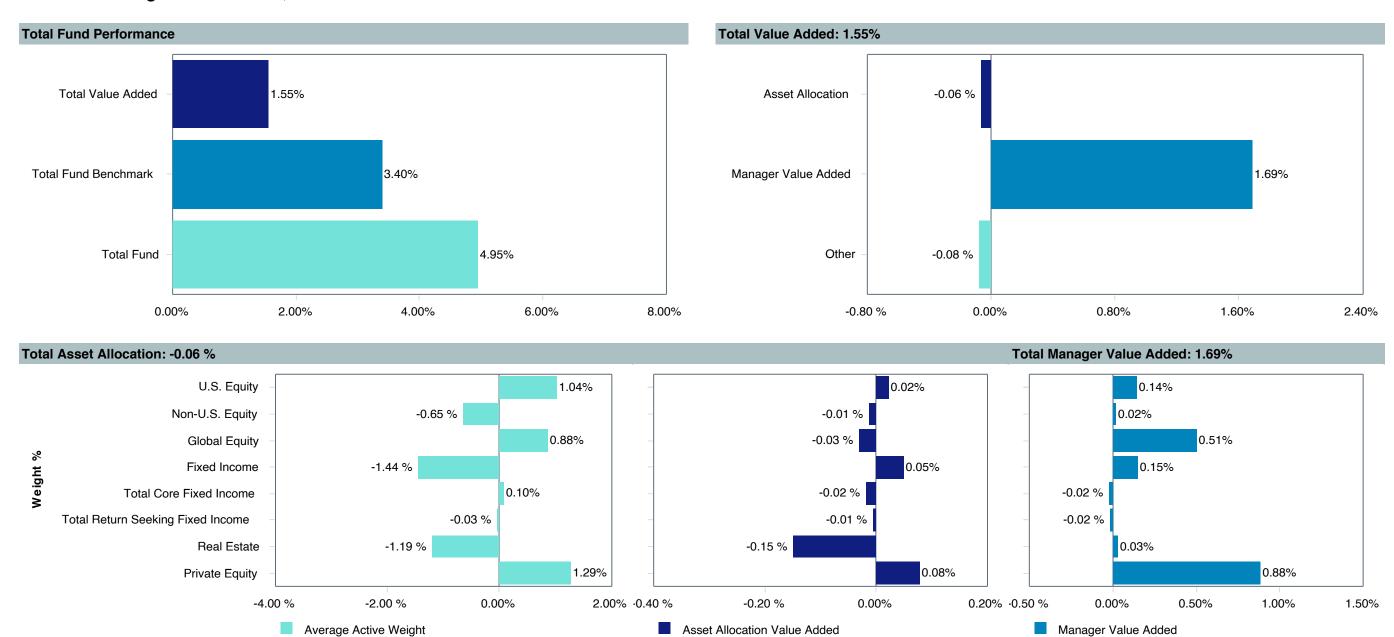
1 Year Ending December 31, 2022





#### **Total Fund Attribution**

3 Years Ending December 31, 2022





**Total Hartford Options** 



### **Total Hartford Options**

	Allocati	on			Perforn	nance %		
	Market Value \$ (\$)	%	1 Quarter	Year to Date	1 Year	3 Years	5 Years	10 Years
<b>Total Hartford Options</b>	4,104,410							
General Fund	4,104,410							





As of December 31, 2022

#### **Total Fund**

	\$	%
Union Bank & Trust	5,312,565,729	100.0
NEST Advisor	1,236,932,983	23.3
NEST Direct	2,279,776,679	42.9
Bloomwell	1,795,856,066	33.8

	Allocation				Perform	nance %		
	Market Value \$ (\$)	%	1 Quarter	1 Year	3 Years	5 Years	Since Inception	Inception Date
Total NEST Direct	2,279,776,679	100.0						
Age-Based Funds	1,162,595,172	51.0						
Age-Based Aggressive 0-02	5,842,754	0.3	9.3	-18.2			-0.4	01/01/2021
Aggressive 0-02 Benchmark			9.5	-17.7			-0.1	
Age-Based Aggressive 03-05	24,251,850	1.1	8.3	-17.7			-0.9	01/01/2021
Aggressive 03-05 Benchmark			8.5	-17.1			-0.6	
Age-Based Aggressive 06-08	47,974,549	2.1	7.5	-17.1			-1.7	01/01/2021
Aggressive 06-08 Benchmark			7.8	-16.3			-1.2	
Age-Based Aggressive 09-10	41,539,369	1.8	6.8	-16.6			-2.4	01/01/2021
Aggressive 09-10 Benchmark			7.0	-15.7			-1.8	
Age-Based Aggressive 11-12	49,543,468	2.2	6.0	-15.6			-2.7	01/01/2021
Aggressive 11-12 Benchmark			6.1	-14.8			-2.3	
Age-Based Aggressive 13-14	70,379,132	3.1	5.2	-14.9			-3.3	01/01/2021
Aggressive 13-14 Benchmark			5.3	-13.9			-2.7	
Age-Based Aggressive 15-16	90,157,684	4.0	4.4	-13.8			-3.5	01/01/2021
Aggressive 15-16 Benchmark			4.5	-12.9			-3.0	
Age-Based Aggressive 17-18	89,831,634	3.9	3.5	-12.2			-3.5	01/01/2021
Aggressive 17-18 Benchmark			3.7	-11.3			-2.9	
Age-Based Aggressive 19+	133,807,496	5.9	2.7	-10.5			-3.5	01/01/2021
Aggressive 19+ Benchmark			2.8	-9.7			-3.1	

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<sup>-</sup> Performance of the Age-Based and Static investment options shown above and on the following pages is shown net of the 529 Program Manager fees (15 bps per annum) and State fees (2 bps per annum).



	Allocation				Perforn	nance %		
	Market Value \$ (\$)	%	1 Quarter	1 Year	3 Years	5 Years	Since Inception	Inception Date
Age-Based Moderate 0-2	3,019,387	0.1	8.5	-17.5			-0.8	01/01/2021
Moderate 0-02 Benchmark			8.5	-17.1			-0.6	
ge-Based Moderate 03-05	15,684,345	0.7	7.5	-17.1			-1.7	01/01/2021
Moderate 03-05 Benchmark			7.8	-16.3			-1.2	
ge-Based Moderate 06-08	28,369,216	1.2	6.8	-16.6			-2.4	01/01/2021
Moderate 06-08 Benchmark			7.0	-15.7			-1.8	
ge-Based Moderate 09-10	27,069,393	1.2	6.0	-15.6			-2.7	01/01/2021
Moderate 09-10 Benchmark			6.1	-14.8			-2.3	
ge-Based Moderate 11-12	34,939,496	1.5	5.2	-14.9			-3.3	01/01/2021
Moderate 11-12 Benchmark			5.3	-13.9			-2.7	
ge-Based Moderate 13-14	53,896,511	2.4	4.5	-13.7			-3.4	01/01/2021
Moderate 13-14 Benchmark			4.5	-12.9			-3.0	
ge-Based Moderate 15-16	67,459,079	3.0	3.6	-12.2			-3.5	01/01/2021
Moderate 15-16 Benchmark			3.7	-11.3			-2.9	
ge-Based Moderate 17-18	70,983,533	3.1	2.7	-10.5			-3.5	01/01/2021
Moderate 17-18 Benchmark			2.8	-9.7			-3.1	
ge-Based Moderate 19+	117,661,342	5.2	1.9	-7.8			-3.0	01/01/2021
Moderate 19+ Benchmark			2.1	-7.1			-2.5	
ge-Based Conservative 0-2	144,147	0.0	6.9	-16.5			-2.6	01/01/2021
Conservative 0-02 Benchmark			7.0	-15.7			-1.8	
ge-Based Conservative 03-05	259,667	0.0	5.5	-15.5			-2.0	01/01/2021
Conservative 03-05 Benchmark			6.1	-14.8			-2.3	
ge-Based Conservative 06-08	153,765	0.0	5.1	-15.3			-4.4	01/01/2021
Conservative 06-08 Benchmark			5.3	-13.9			-2.7	
ge-Based Conservative 09-10	395,762	0.0	4.6	-14.5			-3.0	01/01/2021
Conservative 09-10 Benchmark			4.5	-12.9			-3.0	
ge-Based Conservative 11-12	912,531	0.0	3.8	-13.0			-3.8	01/01/2021
Conservative 11-12 Benchmark			3.7	-11.3			-2.9	
ge-Based Conservative 13-14	305,261	0.0	2.7	-10.2			-3.4	01/01/2021
Conservative 13-14 Benchmark			2.8	-9.7			-3.1	

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	Allocation	l e			Perforn	nance %		
	Market Value \$ (\$)	%	1 Quarter	1 Year	3 Years	5 Years	Since Inception	Inception Date
Age-Based Conservative 15-16	1,195,925	0.1	1.9	-7.8			-2.8	01/01/2021
Conservative 15-16 Benchmark			2.1	-7.1			-2.5	
Age-Based Conservative 17-18	2,632,068	0.1	1.0	-3.2			-1.5	01/01/2021
Conservative 17-18 Benchmark			1.2	-2.8			-1.2	
ge-Based Conservative 19+	4,475,443	0.2	0.9	1.5			0.8	01/01/2021
Conservative 19+ Benchmark			0.9	1.5			0.8	
ge-Based Index Aggressive 0-2	4,749,637	0.2	9.2	-18.8			-0.8	01/01/2021
Index Aggressive 0-02 Benchmark			9.1	-18.8			-0.7	
ge-Based Index Aggressive 03-05	3,089,788	0.1	8.1	-18.3			-1.5	01/01/2021
Index Aggressive 03-05 Benchmark			8.2	-18.1			-1.1	
ge-Based Index Aggressive 06-08	4,070,162	0.2	7.5	-17.3			-1.9	01/01/2021
Index Aggressive 06-08 Benchmark			7.5	-17.3			-1.7	
ge-Based Index Aggressive 09-10	2,276,547	0.1	6.6	-16.6			-2.6	01/01/2021
Index Aggressive 9-10 Benchmark			6.7	-16.5			-2.2	
ge-Based Index Aggressive 11-12	3,682,053	0.2	6.0	-15.6			-2.8	01/01/2021
Index Aggressive 11-12 Benchmark			5.9	-15.5			-2.6	
ge-Based Index Aggressive 13-14	4,242,151	0.2	5.2	-14.4			-3.2	01/01/2021
Index Aggressive 13-14 Benchmark			5.2	-14.5			-3.0	
ge-Based Index Aggressive 15-16	4,354,805	0.2	4.2	-13.3			-3.2	01/01/2021
Index Aggressive 15-16 Benchmark			4.4	-13.3			-3.1	
ge-Based Index Aggressive 17-18	2,890,799	0.1	3.5	-11.6			-3.2	01/01/2021
Index Aggressive 17-18 Benchmark			3.6	-11.7			-3.1	
ge-Based Index Aggressive 19+	3,041,963	0.1	2.6	-10.0			-3.3	01/01/2021
Index Aggressive 19+ Benchmark			2.8	-9.9			-3.1	
ge-Based Index Moderate 0-2	2,434,643	0.1	8.1	-18.3			-1.5	01/01/2021
Index Moderate 0-02 Benchmark			8.2	-18.1			-1.1	
ge-Based Index Moderate 03-05	2,164,735	0.1	7.5	-17.3			-1.9	01/01/2021
Index Moderate 03-05 Benchmark			7.5	-17.3			-1.7	
ge-Based Index Moderate 06-08	2,730,977	0.1	6.5	-16.6			-2.5	01/01/2021
Index Moderate 06-08 Benchmark			6.7	-16.5			-2.2	

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	Allocation				Perforn	nance %		
	Market Value \$ (\$)	%	1 Quarter	1 Year	3 Years	5 Years	Since Inception	Inception Date
Age-Based Index Moderate 09-10	2,185,495	0.1	5.8	-15.4			-3.2	01/01/2021
Index Moderate 09-10 Benchmark			5.9	-15.5			-2.6	
ge-Based Index Moderate 11-12	2,119,649	0.1	5.1	-14.5			-3.0	01/01/2021
Index Moderate 11-12 Benchmark			5.2	-14.5			-3.0	
ge-Based Index Moderate 13-14	3,048,574	0.1	4.4	-13.3			-3.2	01/01/2021
Index Moderate 13-14 Benchmark			4.4	-13.3			-3.1	
ge-Based Index Moderate 15-16	3,575,191	0.2	3.6	-11.5			-3.1	01/01/2021
Index Moderate 15-16 Benchmark			3.6	-11.7			-3.1	
ge-Based Index Moderate 17-18	4,142,615	0.2	2.7	-10.0			-3.2	01/01/2021
Index Moderate 17-18 Benchmark			2.8	-9.9			-3.1	
ge-Based Index Moderate 19+	3,767,159	0.2	1.8	-7.4			-2.8	01/01/2021
Index Moderate 19+ Benchmark			2.0	-7.3			-2.6	
ge-Based Index Conservative 0-2	558,837	0.0	6.9	-16.5			-2.2	01/01/2021
Index Conservative 0-02 Benchmark			6.7	-16.5			-2.2	
ge-Based Index Conservative 03-05	4,386,788	0.2	5.9	-15.7			-2.7	01/01/2021
Index Conservative 03-05 Benchmark			5.9	-15.5			-2.6	
ge-Based Index Conservative 06-08	8,342,623	0.4	5.1	-14.6			-3.1	01/01/2021
Index Conservative 06-08 Benchmark			5.2	-14.5			-3.0	
ge-Based Index Conservative 09-10	8,569,565	0.4	4.3	-13.4			-3.2	01/01/2021
Index Conservative 09-10 Benchmark			4.4	-13.3			-3.1	
ge-Based Index Conservative 11-12	9,835,803	0.4	3.5	-11.9			-3.3	01/01/2021
Index Conservative 11-12 Benchmark			3.6	-11.7			-3.1	
ge-Based Index Conservative 13-14	14,309,099	0.6	2.6	-10.0			-3.2	01/01/2021
Index Conservative 13-14 Benchmark			2.8	-9.9			-3.1	
ge-Based Index Conservative 15-16	17,039,732	0.7	1.9	-7.3			-2.8	01/01/2021
Index Conservative 15-16 Benchmark			2.0	-7.3			-2.6	
ge-Based Index Conservative 17-18	20,005,980	0.9	1.0	-3.0			-1.4	01/01/2021
Index Conservative 17-18 Benchmark			1.2	-2.8			-1.2	
ge-Based Index Conservative 19+	38,094,995	1.7	0.9	1.5			0.7	01/01/2021
Index Conservative 19+ Benchmark			0.9	1.5			0.8	

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	Allocation				Perform	nance %		
	Market Value \$ (\$)	%	1 Quarter	1 Year	3 Years	5 Years	Since Inception	Inception Date
Static Funds	341,258,590	15.0						
All Equity Static	14,297,210	0.6	9.3	-18.3			-0.5	01/01/2021
All Equity Static Benchmark			9.5	-17.7			-0.1	
Growth Static	170,278,478	7.5	7.5	-17.2			-1.8	01/01/2021
Growth Static Benchmark			7.8	-16.3			-1.2	
Balanced Static	64,158,279	2.8	5.1	-15.1			-3.4	01/01/2021
Balanced Static Benchmark			5.3	-13.9			-2.7	
Conservative Static	28,210,375	1.2	2.7	-10.5			-3.5	01/01/2021
Conservative Static Benchmark			2.8	-9.7			-3.1	
Bank Savings Static	64,314,248	2.8	0.8	1.7			1.0	01/01/2021
FTSE 3 Month T-Bill			0.9	1.5			0.8	

<sup>-</sup> Performance of the Age-Based and Static investment options shown above and on the following pages is shown net of the 529 Program Manager fees (15 bps per annum) and State fees (2 bps per annum).



<sup>-</sup> Historical performance shown for underlying mutual fund and ETF options reflects performance since the inception of the mutual fund / ETF and may pre-date the option's inclusion within the Nebraska CSP.

	Allocation				Perform	mance %		
	Market Value \$ (\$)	%	1 Quarter	1 Year	3 Years	5 Years	Since Inception	Inception Date
Individual Funds	775,922,917	34.0						
DFA US Small Cap Value 529	32,415,642	1.4	13.5	-3.5	11.3	6.7	11.1	04/01/1993
Russell 2000 Value Index			8.4	-14.5	4.7	4.1	9.4	
DFA World ex-US Government	1,756,800	0.1	0.6	-18.9	-6.3	-1.6	1.6	01/01/2012
FTSE Non-U.S. World Government Bond Hedged			-1.0	-13.1	-3.9	-0.1	2.2	
MetWest Total Return Bond	19,734,276	0.9	1.8	-14.7	-2.7	0.2	2.3	08/01/2011
Blmbg. U.S. Aggregate			1.9	-13.0	-2.7	0.0	1.6	
State Street S&P 500 Index	125,950,422	5.5	7.4	-18.3	7.3	9.2	10.2	10/01/2014
S&P 500 Index			7.6	-18.1	7.7	9.4	10.5	
T Rowe Price Large Cap Growth	91,930,229	4.0	-0.2	-35.2	3.7	8.4	9.9	11/01/2001
Russell 1000 Growth Index			2.2	-29.1	7.8	11.0	8.9	
/anguard Equity Income	67,066,391	2.9	13.9	0.0	9.0	8.9	8.5	09/01/2001
S&P 500 Index			7.6	-18.1	7.7	9.4	8.0	
/anguard Explorer 529	38,597,400	1.7	6.9	-23.2	5.5	8.6	8.8	12/01/2001
Russell 2500 Growth Index			4.7	-26.2	2.9	6.0	8.5	
/anguard Extended Market Index	49,812,157	2.2	5.1	-26.5	3.0	4.9	7.9	08/01/1997
S&P Completion Index			5.1	-26.5	2.9	4.8	7.8	
/anguard Federal Money Market 529	59,666,107	2.6	0.9	1.6	0.7	1.2	3.9	08/01/1981
90 Day U.S. Treasury Bill			0.8	1.5	0.7	1.3	3.9	
/anguard Real Estate Index	22,464,355	1.0	4.4	-26.2	-0.4	3.7	7.8	01/01/2004
Vanguard Real Estate Spliced Index			4.3	-26.1	-0.3	3.8	7.8	
/anguard Short-Term Bond Index	21,283,256	0.9	1.1	-5.5	-0.7	0.8	1.0	10/01/2011
Blmbg. U.S. Gov/Credit Float Adj: 1-5 Year			1.2	-5.5	-0.7	0.8	1.1	
/anguard ST Inflation Protected	18,126,077	0.8	1.3	-2.8	2.4	2.5	1.4	11/01/2012
Blmbg. U.S. TIPS 0-5 Year			1.3	-2.7	2.5	2.6	1.4	
/anguard Total Bond Market Index	23,605,697	1.0	1.7	-13.1	-2.7	0.0	2.1	03/01/2010
Blmbg. U.S. Aggregate Float Adjusted			1.9	-13.1	-2.7	0.1	2.1	
/anguard Total Intl Stock Index 529	53,728,611	2.4	14.7	-16.0	0.5	1.1	4.2	12/01/2010
FTSE Global ex USA All Cap Index (Net)			14.1	-16.1	0.5	1.1	4.2	
/anguard Total Stock Market Index	147,704,281	6.5	7.2	-19.5	7.0	8.7	7.8	06/01/2001
Vanguard Spliced Total Stock Market Index			7.1	-19.5	7.0	8.7	7.7	

<sup>-</sup> Historical performance shown for underlying mutual fund and ETF options reflects performance since the inception of the mutual fund / ETF and may pre-date the option's inclusion within the Nebraska CSP.

<sup>-</sup> Performance of the Age-Based and Static investment options shown above and on the following pages is shown net of the 529 Program Manager fees (15 bps per annum) and State fees (2 bps per annum).



	Allocation	on			Perforr	nance %		
	Market Value \$ (\$)	%	1 Quarter	1 Year	3 Years	5 Years	Since Inception	Inception Date
otal NEST Advisor	1,236,932,983	100.0						
Age-Based Funds	769,810,315	62.2						
ge-Based Aggressive 0-02	8,771,706	0.7	8.9	-19.6			-1.3	01/01/2021
Aggressive 0-02 Benchmark			9.0	-18.9			-1.0	
Age-Based Aggressive 03-05	24,355,120	2.0	8.0	-18.9			-1.7	01/01/2021
Aggressive 03-05 Benchmark			8.1	-18.2			-1.4	
ge-Based Aggressive 06-08	37,418,423	3.0	7.4	-18.1			-2.3	01/01/2021
Aggressive 06-08 Benchmark			7.4	-17.3			-1.9	
Age-Based Aggressive 09-10	35,140,198	2.8	6.7	-17.4			-2.8	01/01/2021
Aggressive 09-10 Benchmark			6.6	-16.6			-2.4	
ge-Based Aggressive 11-12	36,195,815	2.9	5.7	-16.5			-3.3	01/01/2021
Aggressive 11-12 Benchmark			5.9	-15.5			-2.8	
ge-Based Aggressive 13-14	43,138,796	3.5	5.2	-15.6			-3.7	01/01/2021
Aggressive 13-14 Benchmark			5.1	-14.6			-3.1	
ge-Based Aggressive 15-16	53,036,459	4.3	4.3	-14.2			-3.6	01/01/2021
Aggressive 15-16 Benchmark			4.3	-13.3			-3.3	
ge-Based Aggressive 17-18	61,207,083	4.9	3.6	-12.8			-3.7	01/01/2021
Aggressive 17-18 Benchmark			3.6	-11.7			-3.2	
ge-Based Aggressive 19+	91,874,291	7.4	2.8	-10.8			-3.7	01/01/2021
Aggressive 19+ Benchmark			2.7	-10.0			-3.2	
Age-Based Moderate 0-2	3,519,483	0.3	8.0	-18.9			-1.7	01/01/2021
Moderate 0-02 Benchmark			8.1	-18.2			-1.4	
ge-Based Moderate 03-05	13,730,125	1.1	7.4	-18.1			-2.3	01/01/2021
Moderate 03-05 Benchmark			7.4	-17.3			-1.9	
ge-Based Moderate 06-08	29,322,627	2.4	6.7	-17.4			-2.8	01/01/2021
Moderate 06-08 Benchmark			6.6	-16.6			-2.4	
ge-Based Moderate 09-10	28,702,905	2.3	5.7	-16.5			-3.3	01/01/2021
Moderate 09-10 Benchmark			5.9	-15.5			-2.8	
ge-Based Moderate 11-12	35,704,160	2.9	5.2	-15.6			-3.7	01/01/2021
Moderate 11-12 Benchmark			5.1	-14.6			-3.1	

<sup>-</sup> Historical performance shown for underlying mutual fund and ETF options reflects performance since the inception of the mutual fund / ETF and may pre-date the option's inclusion within the Nebraska CSP.



	Allocatio	n			Perforr	nance %		
	Market Value \$ (\$)	%	1 Quarter	1 Year	3 Years	5 Years	Since Inception	Inception Date
Age-Based Moderate 13-14	40,281,507	3.3	4.3	-14.2			-3.6	01/01/2021
Moderate 13-14 Benchmark			4.3	-13.3			-3.3	
Age-Based Moderate 15-16	46,750,035	3.8	3.6	-12.8			-3.7	01/01/2021
Moderate 15-16 Benchmark			3.6	-11.7			-3.2	
Age-Based Moderate 17-18	51,475,941	4.2	2.8	-10.8			-3.7	01/01/2021
Moderate 17-18 Benchmark			2.7	-10.0			-3.2	
Age-Based Moderate 19+	69,417,294	5.6	2.0	-8.0			-3.1	01/01/2021
Moderate 19+ Benchmark			2.0	-7.3			-2.6	
Age-Based Index Conservative 0-2	245,547	0.0	6.6	-15.8			-2.3	01/01/2021
Index Conservative 0-02 Benchmark			6.7	-16.7			-2.3	
Age-Based Index Conservative 03-05	1,968,809	0.2	5.1	-15.9			-2.7	01/01/2021
Index Conservative 03-05 Benchmark			5.9	-15.6			-2.7	
Age-Based Index Conservative 06-08	4,328,288	0.3	5.2	-14.6			-3.2	01/01/2021
Index Conservative 06-08 Benchmark			5.2	-14.6			-3.1	
Age-Based Index Conservative 09-10	4,389,782	0.4	4.3	-13.2			-3.3	01/01/2021
Index Conservative 09-10 Benchmark			4.4	-13.4			-3.2	
Age-Based Index Conservative 11-12	5,801,130	0.5	18.6	0.9			3.4	01/01/2021
Index Conservative 11-12 Benchmark			3.6	-11.8			-3.2	
Age-Based Index Conservative 13-14	8,310,434	0.7	2.7	-7.9			-2.3	01/01/2021
Index Conservative 13-14 Benchmark			2.8	-10.0			-3.1	
Age-Based Index Conservative 15-16	7,824,564	0.6	2.0	-7.8			-3.2	01/01/2021
Index Conservative 15-16 Benchmark			2.0	-7.3			-2.6	
Age-Based Index Conservative 17-18	9,011,743	0.7	1.0	-0.7			-1.3	01/01/2021
Index Conservative 17-18 Benchmark			1.2	-2.8			-1.2	
Age-Based Index Conservative 19+	17,888,051	1.4	0.8	1.5			0.8	01/01/2021
Index Conservative 19+ Benchmark			0.9	1.5			0.8	

<sup>-</sup> Historical performance shown for underlying mutual fund and ETF options reflects performance since the inception of the mutual fund / ETF and may pre-date the option's inclusion within the Nebraska CSP.



	Allocatio	n			Perforn	nance %		
	Market Value \$ (\$)	%	1 Quarter	1 Year	3 Years	5 Years	Since Inception	Inception Date
Static Funds	241,857,433	19.6						
All Equity Static	12,912,891	1.0	8.9	-19.6			-1.3	01/01/2021
All Equity Static Benchmark			9.0	-18.9			-1.0	
Growth Static	157,831,874	12.8	7.4	-18.1			-2.3	01/01/2021
Growth Static Benchmark			7.4	-17.3			-1.9	
Balanced Static	42,645,268	3.4	5.2	-15.6			-3.7	01/01/2021
Balanced Static Benchmark			5.1	-14.6			-3.1	
Conservative Static	9,934,594	0.8	2.8	-10.8			-3.7	01/01/2021
Conservatice Static Benchmark			2.7	-10.0			-3.2	
Bank Savings Static	18,532,807	1.5	0.9	1.5			1.1	01/01/2021
FTSE 3 Month T-Bill			0.9	1.5			0.8	
Individual Funds	225,265,236	18.2						
Am Funds The Inc Fund of America 529	4,880,719	0.4	10.3	-6.2	5.2	5.7	9.5	06/01/2009
S&P 500 Index			7.6	-18.1	7.7	9.4	13.3	
DFA World ex US Govtt Fixed Inc 529	601,944	0.0	0.6	-18.9	-6.3	-1.6	1.6	01/01/2012
FTSE Non-U.S. World Government Bond Hedged			-1.0	-13.1	-3.9	-0.1	2.2	
Dodge & Cox Stock 529	16,633,279	1.3	13.0	-7.2	9.4	8.7	12.9	01/01/1979
Russell 1000 Value Index			12.4	-7.5	6.0	6.7	11.6	
Fidelity Ttl Intl Index 529	15,100,312	1.2	14.8	-16.3	0.3	1.0	5.3	07/01/2016
MSCI AC World ex USA IMI (Net)			14.1	-16.6	0.2	0.8	5.4	
Fidelity U.S. Bond Index 529	3,936,960	0.3	1.7	-13.0	-2.7	0.0	1.6	06/01/2011
Blmbg. U.S. Aggregate			1.9	-13.0	-2.7	0.0	1.7	

<sup>-</sup> Historical performance shown for underlying mutual fund and ETF options reflects performance since the inception of the mutual fund / ETF and may pre-date the option's inclusion within the Nebraska CSP.



	Allocatio	n			Perforn	mance %		
	Market Value \$ (\$)	%	1 Quarter	1 Year	3 Years	5 Years	Since Inception	Inception Date
MetWest Total Return Bond 529	6,555,692	0.5	1.8	-14.7	-2.7	0.2	2.3	08/01/2011
Blmbg. U.S. Aggregate			1.9	-13.0	-2.7	0.0	1.6	
Northern Small Cap Value 529	8,501,757	0.7	10.1	-10.4	3.4	3.1	9.0	05/01/1994
Russell 2000 Value Index			8.4	-14.5	4.7	4.1	9.3	
PGIM Total Return Bond 529	2,486,523	0.2	2.3	-14.9	-3.1	0.1	3.0	01/01/2011
Blmbg. U.S. Aggregate			1.9	-13.0	-2.7	0.0	1.9	
PDR S&P Dividend ETF 529	14,567,489	1.2	13.1	-0.5	8.3	8.8	9.0	12/01/2005
S&P High Yield Dividend Aristocrats Index			13.2	-0.2	8.6	9.2	9.4	
State Street S&P 500 Index 529	30,776,622	2.5	7.4	-18.3	7.3	9.2	10.2	10/01/2014
S&P 500 Index			7.6	-18.1	7.7	9.4	10.5	
tate Street US Govt Money Market 529	16,244,497	1.3	0.9	1.6	0.7	1.2	0.7	11/01/2007
FTSE 3 Month T-Bill			0.9	1.5	0.7	1.2	0.7	
. Rowe Price Large-Cap Growth 529	30,088,590	2.4	-0.2	-35.2	3.7	8.4	9.9	11/01/2001
Russell 1000 Growth Index			2.2	-29.1	7.8	11.0	8.9	
an Sht-Trm Inf-Prtcted Sec ETF 529	3,973,937	0.3	1.2	-2.8	2.4	2.5	1.3	11/01/2012
Blmbg. U.S. TIPS 0-5 Year			1.3	-2.7	2.5	2.6	1.4	
anguard Explorer 529	12,099,508	1.0	6.9	-23.2	5.5	8.6	8.8	12/01/2001
Russell 2500 Growth Index			4.7	-26.2	2.9	6.0	8.5	
anguard Extended Market ETF 529	13,700,739	1.1	5.1	-26.5	3.0	4.9	8.7	01/01/2002
S&P Completion Index			5.1	-26.5	2.9	4.8	8.6	
anguard FTSE Emerging Mkts ETF 529	5,278,613	0.4	8.2	-17.7	-1.4	-0.3	5.6	04/01/2005
Vanguard Spliced Emerging Markets Index			8.2	-17.6	-1.1	-0.2	5.7	
anguard Real Estate ETF 529	5,372,309	0.4	4.3	-26.2	-0.4	3.7	7.3	10/01/2004
Vanguard Real Estate Spliced Index			4.3	-26.1	-0.3	3.8	7.4	
anguard Short-Term Bond ETF 529	4,611,787	0.4	1.1	-5.6	-0.7	0.8	2.1	05/01/2007
Vanguard Splc Blmbg. US1-5YGv/Cr Fl Adj (N)			1.2	-5.5	-0.7	0.8	2.2	
anguard Total Stock Market ETF 529	29,853,957	2.4	7.2	-19.5	7.0	8.7	7.7	06/01/2001
Vanguard Spliced Total Stock Market Index			7.1	-19.5	7.0	8.7	7.7	

<sup>-</sup> Historical performance shown for underlying mutual fund and ETF options reflects performance since the inception of the mutual fund / ETF and may pre-date the option's inclusion within the Nebraska CSP.



	Allocation				Perforn	nance %		Inception Date  01/01/2021  01/01/2021  01/01/2021  01/01/2021  01/01/2021  01/01/2021  01/01/2021  01/01/2021  01/01/2021  01/01/2021	
	Market Value \$ (\$)	%	1 Quarter	1 Year	3 Years	5 Years	Since Inception		
Bloomwell	1,795,856,066	100.0							
Age-Based Core 0-2 Years	14,917,841	0.8	8.6	-18.4			-0.9	01/01/2021	
Core 0-02 Benchmark			8.6	-18.3			-0.8		
ge-Based Core 3-5 Years	52,492,622	2.9	7.9	-17.6			-1.5	01/01/2021	
Core 03-05 Benchmark			8.0	-17.6			-1.5		
ge-Based Core 6-8 Years	90,453,191	5.0	7.1	-16.6			-2.0	01/01/2021	
Core 06-08 Benchmark			7.2	-16.5			-1.8		
ge-Based Core 9-10 Years	79,968,093	4.5	6.3	-15.5			-2.3	01/01/2021	
Core 09-10 Benchmark			6.5	-15.4			-2.2		
ge-Based Core 11-12 Years	91,809,330	5.1	5.4	-14.2			-2.5	01/01/2021	
Core 11-12 Benchmark			5.7	-14.0			-2.3		
ge-Based Core 13-14 Years	105,723,697	5.9	4.7	-12.6			-2.6	01/01/2021	
Core 13-14 Benchmark			4.9	-12.5			-2.5		
ge-Based Core 15-16 Years	120,050,818	6.7	3.9	-11.2			-2.8	01/01/2021	
Core 15-16 Benchmark			4.0	-11.1			-2.6		
ge-Based Core 17-18 Years	112,089,652	6.2	3.0	-9.8			-3.0	01/01/2021	
Core 17-18 Benchmark			3.2	-9.7			-2.8		
ge-Based Core 19+ Years	140,551,760	7.8	2.2	-7.4			<b>-2</b> .7	01/01/2021	
Core 19+ Benchmark			2.4	-7.3			-2.5		
ge-Based Socially Aware 0-2 Years	1,052,913	0.1	8.9	-18.9			-1.2	01/01/2021	
Social 0-02 Benchmark			8.8	-18.9			-1.2		
ge-Based Socially Aware 3-5 Years	2,204,307	0.1	8.1	-18.2			-1.9	01/01/2021	
Social 03-05 Benchmark			8.2	-18.2			-1.8		
ge-Based Socially Aware 6-8 Years	2,064,400	0.1	7.5	-16.6			-2.1	01/01/2021	
Social 06-08 Benchmark			7.4	-17.0			-2.1		
ge-Based Socially Aware 9-10 Years	1,653,478	0.1	6.5	-15.8			-2.6	01/01/2021	
Social 09-10 Benchmark			6.6	-15.9			-2.4		
ge-Based Socially Aware 11-12 Years	1,330,412	0.1	5.7	-14.1			-2.5	01/01/2021	
Social 11-12 Benchmark			5.8	-14.3			-2.5		
ge-Based Socially Aware 13-14 Years	984,720	0.1	4.9	-12.6			-2.6	01/01/2021	
Social 13-14 Benchmark			5.0	-12.8			-2.7		

<sup>-</sup> Historical performance shown for underlying mutual fund and ETF options reflects performance since the inception of the mutual fund / ETF and may pre-date the option's inclusion within the Nebraska CSP.



AS OF December 51, 2022								
	Allocation	1			Perform	nance %		
	Market Value \$ (\$)	%	1 Quarter	1 Year	3 Years	5 Years	Since Inception	Inception Date
Age-Based Socially Aware 15-16 Years	1,154,675	0.1	4.0	-11.3			-2.9	01/01/2021
Social 15-16 Benchmark			4.1	-11.3			-2.8	
Age-Based Socially Aware 17-18 Years	907,781	0.1	3.2	-9.9			-3.1	01/01/2021
Social 17-18 Benchmark			3.3	-9.9			-2.9	
Age-Based Socially Aware 19+ Years	1,131,757	0.1	2.4	-7.3			-2.7	01/01/2021
Social 19+ Benchmark			2.5	-7.4			-2.5	
Core Aggressive Static	92,140,645	5.1	8.7	-17.1			-2.5	01/01/2021
Static Core Aggressive Benchmark			8.7	-16.9			-2.3	
Core Growth Static	17,580,951	1.0	7.3	-15.9			-3.3	01/01/2021
Static Core Growth Benchmark			7.5	-15.7			-3.1	
Core Moderate Growth Static	36,433,539	2.0	5.6	-14.3			-4.3	01/01/2021
Static Core Moderate Growth Benchmark			5.8	-14.2			-4.1	
Core Moderate Static	4,195,548	0.2	4.8	-13.5			-4.9	01/01/2021
Static Core Moderate Benchmark			5.0	-13.3			-4.7	
Core Conservative Static	17,934,377	1.0	3.3	-11.9			-5.2	01/01/2021
Static Core Conservative Benchmark			3.5	-11.9			-5.0	
Socially Aware Aggressive Static	2,818,015	0.2	9.1	-17.6			-3.0	01/01/2021
Static Social Aggressive Benchmark			9.1	-17.6			-2.9	
Socially Aware Growth Static	1,509,918	0.1	7.9	-16.3			-3.9	01/01/2021
Static Social Growth Benchmark			7.9	-16.3			-3.6	
Socially Aware Moderate Growth Static	617,839	0.0	5.9	-14.6			-4.6	01/01/2021
Static Social Moderate Growth Benchmark			6.1	-14.6			-4.4	
Socially Aware Moderate Static	229,447	0.0	5.0	-13.7			-5.1	01/01/2021
Static Social Moderate Benchmark			5.2	-13.6			-4.9	
Socially Aware Conservative Static	668,281	0.0	3.4	-12.1			-5.4	01/01/2021
Static Social Conservative Benchmark			3.6	-12.1			-5.2	
FA World ex-US Government Fixed Income	2,869,371	0.2	0.6	-18.9	-6.3	-1.6	-0.6	06/01/2016
Citigroup World Gov't Bond Index ex USA			-1.0	-13.1	-3.9	-0.1	0.3	
Goldman Sachs Financial Square Gov't Money Market	70,072,082	3.9	0.9	1.6	0.7	1.2	1.0	04/01/2016
FTSE 3 Month T-Bill			0.9	1.5	0.7	1.2	1.1	

<sup>-</sup> Historical performance shown for underlying mutual fund and ETF options reflects performance since the inception of the mutual fund / ETF and may pre-date the option's inclusion within the Nebraska CSP.



	Allocation			Performance %						
	Market Value \$ (\$)	%	1 Quarter	1 Year	3 Years	5 Years	Since Inception	Inception Date		
Shares Core S&P Small-Cap ETF	25,036,723	1.4	9.2	-16.2	5.7		5.7	01/01/2020		
S&P SmallCap 600			9.2	-16.1	5.8		5.8			
MetWest Total Return	14,086,399	0.8	1.8	-14.7	-2.7	0.2	0.8	03/01/201		
Blmbg. U.S. Aggregate			1.9	-13.0	-2.7	0.0	0.7			
State Street MSCI ACWI Ex-US Index	39,689,415	2.2	14.3	-15.7	0.3	1.2	6.4	01/01/200		
MSCI AC World ex USA Index (Net)			14.3	-16.0	0.1	0.9	6.1			
State Street S&P 500 Index	159,744,002	8.9	7.4	-18.3	7.3	9.2	10.2	10/01/201		
S&P 500 Index			7.6	-18.1	7.7	9.4	10.5			
T. Rowe Price Large Cap Growth	93,577,216	5.2	-0.2	-35.2	3.7	8.4	9.9	11/01/200		
Russell 1000 Growth Index			2.2	-29.1	7.8	11.0	8.9			
/anguard Emerging Markets Stock Index	23,187,729	1.3	8.2	-17.7	-1.5		-1.5	01/01/202		
FTSE Emerging Mkts All Cap China A Inclusion Index			8.2	-17.3	-0.8		-0.8			
/anguard Equity Income	36,596,317	2.0	13.9	0.0	9.0	8.9	11.8	07/01/201		
FTSE High Dividend Yield Index			15.2	-0.3	8.4	8.3	11.5			
/anguard Extended Market Index	37,301,654	2.1	5.1	-26.4	3.1	4.9	8.5	07/01/201		
Dow Jones U.S. Completion Total Stock Market Index			5.1	-26.5	2.9	4.8	8.4			
/anguard REIT Index	24,369,461	1.4	4.4	-26.2	-0.4	3.7	7.8	01/01/200		
MSCI U.S. IMI Real Estate 25/50 Index (Net)			4.0	-26.9	-1.3	3.0				
/anguard Russell 1000 Value Index	44,947,782	2.5	12.4	-7.6	5.9	6.6	10.5	07/01/201		
Russell 1000 Value Index			12.4	-7.5	6.0	6.7	10.6			
/anguard Russell 2000 Growth Index	38,368,475	2.1	4.2	-26.3	0.7		0.7	01/01/202		
Russell 2000 Growth Index			4.1	-26.4	0.6		0.6			
/anguard Short-Term Bond Index	18,068,627	1.0	1.1	-5.5	-0.7	0.8	1.0	10/01/201		
Blmbg. 1-5 Year Gov/Credit			1.2	-5.5	-0.7	0.8	1.1			
anguard Short-Term Inflation-Protected Index	22,548,462	1.3	1.3	-2.8	2.4	2.5	2.1	07/01/201		
Blmbg. U.S. TIPS 0-5 Year			1.3	-2.7	2.5	2.6	2.1			
anguard Total Bond Market Index	24,927,274	1.4	1.7	-13.1	-2.7	0.0	1.1	07/01/201		
Blmbg. U.S. Aggregate			1.9	-13.0	-2.7	0.0	1.2			
/anguard Total Stock Market Index	125,795,070	7.0	7.2	-19.5	7.0	8.7	11.5	01/01/201		
CRSP US Total Market Index			7.1	-19.5	7.0	8.7	11.5			

<sup>-</sup> Historical performance shown for underlying mutual fund and ETF options reflects performance since the inception of the mutual fund / ETF and may pre-date the option's inclusion within the Nebraska CSP.



# College Savings Plans of Nebraska - Direct Passive

		Allocatio	n to Und	erlying l	Funds							
Aggressive Age-Based Option				19 plus	17-18	15-16	13-14	11-12	9-10	6-8	3-5	0-2
Moderate Age-Based Option			19 plus	17-18	15-16	13-14	11-12	9-10	6-8	3-5	0-2	
Conservative Age-Based Option	19 plus	17-18	15-16	13-14	11-12	9-10	6-8	3-5	0-2			
Money Market Funds												
Vanguard Federal Money Market Fund	100.0%	50.0%	23.0%	9.0%	-	-	-	-	-	-	-	-
Total Money Market Funds	100.0%	50.0%	23.0%	9.0%	-	-	-	-	-	-	-	-
Fixed Income Funds												
Vanguard Short-Term Inflation Protected Securities Fund	-	15.0%	14.0%	11.0%	13.0%	9.0%	4.0%	2.0%	-	-	-	-
Vanguard Short-Term Bond Index Fund	-	20.0%	22.0%	25.0%	22.0%	14.0%	11.0%	9.0%	6.0%	4.0%	2.0%	-
Vanguard Total Bond Market Index Fund	-	15.0%	28.0%	30.0%	30.0%	31.0%	29.0%	24.0%	20.0%	13.0%	7.0%	-
Vanguard Total International Bond Index	-	-	3.0%	5.0%	5.0%	6.0%	6.0%	5.0%	4.0%	3.0%	1.0%	-
Total Fixed Income Funds	-	50.0%	67.0%	71.0%	70.0%	60.0%	50.0%	40.0%	30.0%	20.0%	10.0%	-
Domestic Equity Funds												
Vangaurd Total Stock Market Index Fund	-	-	7.0%	14.0%	21.0%	27.0%	34.0%	40.0%	46.0%	53.0%	60.0%	65.0%
Total Domestic Equity Funds	-	-	7.0%	14.0%	21.0%	27.0%	34.0%	40.0%	46.0%	53.0%	60.0%	65.0%
International Equity Funds												
Vanguard Total International Stock Index Fund	-	-	2.0%	4.0%	7.0%	10.0%	13.0%	16.0%	19.0%	22.0%	24.0%	29.0%
Total International Equity Funds	-	-	2.0%	4.0%	7.0%	10.0%	13.0%	16.0%	19.0%	22.0%	24.0%	29.0%
Real Estate Funds												
Vanguard REIT Index Fund	-	-	1.0%	2.0%	2.0%	3.0%	3.0%	4.0%	5.0%	5.0%	6.0%	6.0%
Total Real Estate Funds	-	-	1.0%	2.0%	2.0%	3.0%	3.0%	4.0%	5.0%	5.0%	6.0%	6.0%



# College Savings Plans of Nebraska - Direct Active

Ageresave Age-Rased Option Moderate Age-Based Option Moderate Age-Based Option  19 plus 17-18 19-16 13-14 11-12 9-10 6-8 3.5 0.2 10-2 10-2 10-2 10-2 10-2 10-2 10-2 10-		A	Allocatio	n to Un	derlying Fur	nds							
Conservative Age-Based Option   19 plus   17-8   18-18   13-14   13-18   13-14   13-12   13-10   13-18   13-16   13-14   13-12   13-10   13-16   13-	Aggressive Age-Based Option				19 plus	17-18	15-16	13-14	11-12	9-10	6-8	3-5	0-2
Static Particulars	Moderate Age-Based Option			19 plus	17-18	15-16	13-14	11-12	9-10	6-8	3-5	0-2	
Money Market Funds  Vanguard Federal Money Market Funds  100.0% 80.0% 23.0% 90.% 10 10 10 10 10 10 10 10 10 10 10 10 10	Conservative Age-Based Option	19 plus	17-18	15-16	13-14	11-12	9-10	6-8	3-5	0-2			
Paguard Federal Maney Market Funds   100.0%   100.0%   23.0%   23.0%   23.0%   20.0%	Static Portfolios	Bank Savings			Conservative			Balanced			Growth		All Equity
Fixed Income Funds	Money Market Funds												
Fixed Income Funds  Vanguard Short-Term Inflation Protected Securities Fund 1 16.0% 14.0% 11.0% 13.0% 9.0% 4.0% 2.0% 2.0% 2.0% 2.0% 14.0% 11.0% 9.0% 6.0% 4.0% 2.0% 2.0% 2.0% 14.0% 15.0% 16.0% 15.0% 16.0% 15.0% 16.0% 12.0% 10.0% 7.0% 4.0% 2.0% 2.0% 10.0% 15.0	Vanguard Federal Money Market Fund	100.0%	50.0%	23.0%	9.0%	-	-	-	-	-	-	-	-
Vanguard Short-Term Inflation Protected Securities Fund         -         15.0%         14.0%         11.0%         13.0%         9.0%         4.0%         2.0%         2.0%         2.0%         2.0%         2.0%         2.0%         2.0%         2.0%         14.0%         11.0%         9.0%         6.0%         4.0%         2.0%         2.0%         2.0%         2.0%         14.0%         11.0%         9.0%         4.0%         2.0%         2.0%         2.0%         4.0%         15.0% <th< td=""><td>Total Money Market Funds</td><td>100.0%</td><td>50.0%</td><td>23.0%</td><td>9.0%</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></th<>	Total Money Market Funds	100.0%	50.0%	23.0%	9.0%	-	-	-	-	-	-	-	-
Vanuard Short-Term Bond Index Fund         2 0.0%         22.0%         25.0%         22.0%         14.0%         11.0%         9.0%         6.0%         4.0%         2.0%         2.0%         22.0%         25.0%         12.0%         11.0%         9.0%         4.0%         2.0%         4.0%         2.0%         4.0%         15.0%         20.0%         20.0%         20.0%         20.	Fixed Income Funds												
Vanuard Total Bond Market Index Fund         -         8.0%         14.0%         15.0%         15.0%         15.0%         12.0%         10.0%         7.0%         4.0%         -         -         -         -         -         15.0%         15.0%         15.0%         14.0%         12.0%         10.0%         6.0%         3.0%         -           Vanguard Total International Bond Index         -         -         -         3.0%         5.0%         5.0%         6.0%         6.0%         5.0%         4.0%         3.0%         1.0%         - <t< td=""><td>Vanguard Short-Term Inflation Protected Securities Fund</td><td>-</td><td>15.0%</td><td>14.0%</td><td>11.0%</td><td>13.0%</td><td>9.0%</td><td>4.0%</td><td>2.0%</td><td>-</td><td>-</td><td>-</td><td>-</td></t<>	Vanguard Short-Term Inflation Protected Securities Fund	-	15.0%	14.0%	11.0%	13.0%	9.0%	4.0%	2.0%	-	-	-	-
Medical Return Bond Fund	Vanguard Short-Term Bond Index Fund	-	20.0%	22.0%	25.0%	22.0%	14.0%	11.0%	9.0%	6.0%	4.0%	2.0%	-
Vanguard Total International Bond Index         -         -         3.0%         5.0%         6.0%         6.0%         5.0%         4.0%         3.0%         1.0%         -         -         1.0%         6.0%         5.0%         6.0%         5.0%         4.0%         3.0%         2.0%         1.0%         -         -         -         -         -         5.0%         6.0%         7.0%         6.0%         6.0%         6.0%         6.0%         6.0%         6.0%         6.0%         6.0%         6.0%         6.0%         6.0%         8.0%         16.0%         18.0%         21.0%         27.0%         27.0%         20.0%         5.0%         6.0%         8.0%         9.0%         11.0%         18.0%         21.0%         24.0%         27.0%         20.0%         2.0%         5.0%         6.0%         8.0%         9.0%         11.0%         13.0%         14.0%         15.0%         15.0%         15.0%         15.0%         15.0%         15.0%         20.0%         20.0%         8.0%         9.0%         11.0%         13.0%         14.0%         15.0%         15.0%         15.0%         15.0%         10.0%         10.0%         2.0%         2.0%         2.0%         2.0%         2.0%         2.0	Vanguard Total Bond Market Index Fund	-	8.0%	14.0%	15.0%	15.0%	16.0%	15.0%	12.0%	10.0%	7.0%	4.0%	-
Page	MetWest Total Return Bond Fund	-	7.0%	14.0%	15.0%	15.0%	15.0%	14.0%	12.0%	10.0%	6.0%	3.0%	
Domestic Equity Funds	Vanguard Total International Bond Index	<del>-</del>	-	3.0%	5.0%	5.0%	6.0%	6.0%	5.0%	4.0%	3.0%	1.0%	-
Vanguard Total Stock Market Index Fund         -         -         3.0%         6.0%         9.0%         11.0%         14.0%         16.0%         18.0%         21.0%         27.0%         27.0%         3.0%         5.0%         6.0%         8.0%         9.0%         11.0%         14.0%         18.0%         21.0%         24.0%         27.0%         2.0%         3.0%         5.0%         6.0%         8.0%         9.0%         11.0%         13.0%         14.0%         15.0%         15.0%         15.0%         15.0%         15.0%         15.0%         15.0%         15.0%         15.0%         15.0%         15.0%         15.0%         15.0%         15.0%         15.0%         15.0%         2.0%         3.0%         3.0%         3.0%         3.0%         3.0%         3.0%         4.0%         4.0%         4.0%         15.0%         15.0%         10.0% <t< td=""><td>Total Fixed Income Funds</td><td>-</td><td>50.0%</td><td>67.0%</td><td>71.0%</td><td>70.0%</td><td>60.0%</td><td>50.0%</td><td>40.0%</td><td>30.0%</td><td>20.0%</td><td>10.0%</td><td>-</td></t<>	Total Fixed Income Funds	-	50.0%	67.0%	71.0%	70.0%	60.0%	50.0%	40.0%	30.0%	20.0%	10.0%	-
Vanguard Equity Income Fund         -         -         2.0%         3.0%         5.0%         6.0%         8.0%         9.0%         11.0%         13.0%         14.0%         15.0%           T. Rowe Price Large Cap Growth Fund         -         -         2.0%         3.0%         5.0%         6.0%         8.0%         9.0%         11.0%         13.0%         14.0%         15.0%           Vanguard Explorer         -         -         -         1.0%         1.0%         2.0%         2.0%         3.0%         3.0%         3.0%         4.0%         4.0%           DFA US Small Cap Value         -         -         -         1.0%         1.0%         2.0%         2.0%         3.0%         3.0%         3.0%         4.0%         4.0%         4.0%         7.0%         14.0%         21.0%         27.0%         34.0%         40.0%         53.0%         60.0%         65.0%         60	Domestic Equity Funds												
T. Rowe Price Large Cap Growth Fund 2.0% 3.0% 5.0% 6.0% 8.0% 9.0% 11.0% 13.0% 14.0% 15.0% Vanguard Explorer - 1.0% 1.0% 1.0% 2.0% 2.0% 3.0% 3.0% 3.0% 3.0% 4.0% 4.0% DFA US Small Cap Value 1.0% 1.0% 1.0% 2.0% 2.0% 3.0% 3.0% 3.0% 3.0% 4.0% 4.0% Total Domestic Equity Funds 7.0% 14.0% 21.0% 27.0% 34.0% 40.0% 46.0% 53.0% 60.0% 65.0% International Equity Funds  Vanguard Total International Stock Index Fund 2.0% 4.0% 7.0% 10.0% 13.0% 16.0% 19.0% 22.0% 24.0% 29.0% Total International Equity Funds  Vanguard Total International Equity Funds 2.0% 4.0% 7.0% 10.0% 13.0% 16.0% 19.0% 22.0% 24.0% 29.0% Total International Equity Funds 1.0% 2.0% 2.0% 3.0% 3.0% 3.0% 4.0% 5.0% 6.0% 6.0% 6.0%	Vanguard Total Stock Market Index Fund	-	-	3.0%	6.0%	9.0%	11.0%	14.0%	16.0%	18.0%	21.0%	24.0%	27.0%
Vanguard Explorer       -       -       1.0%       1.0%       2.0%       2.0%       3.0%       3.0%       3.0%       4.0%       4.0%         DFA US Small Cap Value       -       -       1.0%       1.0%       2.0%       2.0%       3.0%       3.0%       3.0%       4.0%       4.0%         Total Domestic Equity Funds       -       -       7.0%       14.0%       21.0%       27.0%       34.0%       40.0%       53.0%       60.0%       65.0%         International Equity Funds         Vanguard Total International Stock Index Fund       -       -       2.0%       4.0%       7.0%       10.0%       13.0%       16.0%       19.0%       22.0%       24.0%       29.0%         Total International Equity Funds       -       -       2.0%       4.0%       7.0%       10.0%       13.0%       16.0%       19.0%       22.0%       24.0%       29.0%         Real Estate Funds         Yanguard RelT Index Fund       -       -       1.0%       2.0%       2.0%       3.0%       3.0%       4.0%       5.0%       5.0%       6.0%       6.0%	Vanguard Equity Income Fund	-	-	2.0%	3.0%	5.0%	6.0%	8.0%	9.0%	11.0%	13.0%	14.0%	15.0%
DFA US Small Cap Value       -       -       1.0%       1.0%       2.0%       2.0%       3.0%       3.0%       3.0%       4.0%       4.0%         Total Domestic Equity Funds       -       -       7.0%       14.0%       21.0%       27.0%       34.0%       40.0%       46.0%       53.0%       60.0%       65.0%         International Equity Funds         Vanguard Total International Stock Index Fund       -       -       2.0%       4.0%       7.0%       10.0%       13.0%       16.0%       19.0%       22.0%       24.0%       29.0%         Total International Equity Funds       -       -       2.0%       4.0%       7.0%       10.0%       13.0%       16.0%       19.0%       22.0%       24.0%       29.0%         Real Estate Funds         Vanguard REIT Index Fund       -       -       1.0%       2.0%       3.0%       3.0%       4.0%       5.0%       5.0%       6.0%       6.0%	T. Rowe Price Large Cap Growth Fund	-	-	2.0%	3.0%	5.0%	6.0%	8.0%	9.0%	11.0%	13.0%	14.0%	15.0%
International Equity Funds         -         -         7.0%         14.0%         21.0%         27.0%         34.0%         40.0%         53.0%         60.0%         65.0%           International Equity Funds           Vanguard Total International Stock Index Fund         -         -         2.0%         4.0%         7.0%         10.0%         13.0%         16.0%         19.0%         22.0%         24.0%         29.0%           Total International Equity Funds         -         -         2.0%         4.0%         7.0%         10.0%         13.0%         16.0%         19.0%         22.0%         24.0%         29.0%           Real Estate Funds           Vanguard REIT Index Fund         -         -         1.0%         2.0%         2.0%         3.0%         3.0%         4.0%         5.0%         5.0%         6.0%         6.0%	Vanguard Explorer	-	-		1.0%	1.0%	2.0%	2.0%	3.0%	3.0%	3.0%	4.0%	4.0%
International Equity Funds  Vanguard Total International Stock Index Fund - 2.0% 4.0% 7.0% 10.0% 13.0% 16.0% 19.0% 22.0% 24.0% 29.0% Total International Equity Funds - 2.0% 4.0% 7.0% 10.0% 13.0% 16.0% 19.0% 22.0% 24.0% 29.0% Parallel Estate Funds  Vanguard REIT Index Fund - 1.0% 2.0% 2.0% 3.0% 3.0% 4.0% 5.0% 5.0% 6.0% 6.0%	DFA US Small Cap Value	-	-		1.0%	1.0%	2.0%	2.0%	3.0%	3.0%	3.0%	4.0%	4.0%
Vanguard Total International Stock Index Fund       -       -       2.0%       4.0%       7.0%       10.0%       13.0%       16.0%       19.0%       22.0%       24.0%       29.0%         Total International Equity Funds       -       -       2.0%       4.0%       7.0%       10.0%       13.0%       16.0%       19.0%       22.0%       24.0%       29.0%         Real Estate Funds         Vanguard REIT Index Fund       -       -       1.0%       2.0%       3.0%       3.0%       4.0%       5.0%       5.0%       6.0%       6.0%	Total Domestic Equity Funds	-	-	7.0%	14.0%	21.0%	27.0%	34.0%	40.0%	46.0%	53.0%	60.0%	65.0%
Vanguard Total International Stock Index Fund       -       -       2.0%       4.0%       7.0%       10.0%       13.0%       16.0%       19.0%       22.0%       24.0%       29.0%         Total International Equity Funds       -       -       2.0%       4.0%       7.0%       10.0%       13.0%       16.0%       19.0%       22.0%       24.0%       29.0%         Real Estate Funds         Vanguard REIT Index Fund       -       -       1.0%       2.0%       3.0%       3.0%       4.0%       5.0%       5.0%       6.0%       6.0%	International Equity Funds												
Total International Equity Funds         -         -         2.0%         4.0%         7.0%         10.0%         13.0%         16.0%         19.0%         22.0%         24.0%         29.0%           Real Estate Funds           Vanguard REIT Index Fund         -         -         1.0%         2.0%         3.0%         3.0%         4.0%         5.0%         5.0%         6.0%         6.0%	• •	-	-	2.0%	4.0%	7.0%	10.0%	13.0%	16.0%	19.0%	22.0%	24.0%	29.0%
Vanguard REIT Index Fund - 1.0% 2.0% 2.0% 3.0% 3.0% 4.0% 5.0% 5.0% 6.0%		-	-	2.0%	4.0%	7.0%	10.0%	13.0%	16.0%	19.0%			
Vanguard REIT Index Fund - 1.0% 2.0% 2.0% 3.0% 3.0% 4.0% 5.0% 5.0% 6.0%	Real Estate Funds												
		_	-	1.0%	2.0%	2.0%	3.0%	3.0%	4.0%	5.0%	5.0%	6.0%	6.0%
	Total Real Estate Funds	<u> </u>		1.0%	2.0%	2.0%	3.0%	3.0%	4.0%	5.0%	5.0%	6.0%	6.0%



# College Savings Plans of Nebraska – Advisor

	A.11								
	Allocation t	to Underly	ing Funds						
Conservative Age-Based Option	19 plus	17-18	15-16	13-14	11-12	9-10	6-8	3-5	0-2
Money Market Funds									
State Street U.S. Government Money Market Fund	100%	50.0%	23.0%	9.0%	-	-	-	-	-
Total Money Market Funds	100%	50.0%	23.0%	9.0%	-	-	-	-	-
Fixed Income Funds									
Vanguard Short-Term Inflation Protected ETF	-	15.0%	14.0%	11.0%	13.0%	9.0%	4.0%	2.0%	-
Vanguard Short-Term Bond ETF	<del>-</del>	20.0%	22.0%	25.0%	22.0%	14.0%	11.0%	9.0%	6.0%
Fidelity U.S. Bond Index Fund	-	15.0%	28.0%	30.0%	30.0%	31.0%	29.0%	24.0%	20.0%
Vanguard Total International Bond ETF	-	-	3.0%	5.0%	5.0%	6.0%	6.0%	5.0%	4.0%
Total Fixed Income Funds	-	50.0%	67.0%	71.0%	70.0%	60.0%	50.0%	40.0%	30.0%
Domestic Equity Funds									
Vangaurd Total Stock Market ETF	-	-	7.0%	14.0%	21.0%	27.0%	34.0%	40.0%	46.0%
Total Domestic Equity Funds	-	-	7.0%	14.0%	21.0%	27.0%	34.0%	40.0%	46.0%
International Equity Funds									
Fidelity Total International Index Fund	<del>-</del>	-	2.0%	4.0%	7.0%	10.0%	13.0%	16.0%	19.0%
Total International Equity Funds	-	-	2.0%	4.0%	7.0%	10.0%	13.0%	16.0%	19.0%
Real Estate Funds									
Vanguard REIT ETF	<del>-</del>	-	1.0%	2.0%	2.0%	3.0%	3.0%	4.0%	5.0%
Total Real Estate Funds	-		1.0%	2.0%	2.0%	3.0%	3.0%	4.0%	5.0%



# College Savings Plans of Nebraska – Advisor

	Allo	cation to	<b>Underlying</b>	Funds							
Aggressive Age-Based Option			19 plus	17-18	15-16	13-14	11-12	9-10	6-8	3-5	0-2
Moderate Age-Based Option		19 plus	17-18	15-16	13-14	11-12	9-10	6-8	3-5	0-2	
Static Portfolios	Bank Savings		Conservative			Balanced			Growth		All Equity
Money Market Funds											
State Street U.S. Government Money Market Fund	100.0%	23.0%	9.0%	-	-	-	-	-	-	-	-
Total Money Market Funds	100.0%	23.0%	9.0%	-	-	-	-	-	-	-	-
Fixed Income Funds											
Vanguard Short-Term Inflation Protected ETF	-	14.0%	11.0%	13.0%	9.0%	4.0%	2.0%	-	-	-	-
Vanguard Short-Term Bond ETF	-	22.0%	25.0%	22.0%	14.0%	11.0%	9.0%	6.0%	4.0%	2.0%	-
Fidleity U.S. Bond Index Fund	-	10.0%	10.0%	10.0%	11.0%	10.0%	8.0%	7.0%	5.0%	3.0%	-
MetWest Total Return Bond Fund	-	9.0%	10.0%	10.0%	10.0%	10.0%	8.0%	7.0%	4.0%	2.0%	
Prudential Total Return Bond Fund		9.0%	10.0%	10.0%	10.0%	9.0%	8.0%	6.0%	4.0%	2.0%	
DFA World ex-US Government Fixed Income Fund	-	3.0%	5.0%	5.0%	6.0%	6.0%	5.0%	4.0%	3.0%	1.0%	-
Total Fixed Income Funds	-	67.0%	71.0%	70.0%	60.0%	50.0%	40.0%	30.0%	20.0%	10.0%	-
Domestic Equity Funds											
Vangaurd Total Stock Market ETF	<del>-</del>	3.0%	6.0%	9.0%	11.0%	14.0%	16.0%	18.0%	21.0%	24.0%	27.0%
Dodge & Cox Stock Fund	<u>-</u>	2.0%	3.0%	5.0%	6.0%	8.0%	9.0%	11.0%	13.0%	14.0%	15.0%
T. Rowe Price Large Cap Growth Fund	-	2.0%	3.0%	5.0%	6.0%	8.0%	9.0%	11.0%	13.0%	14.0%	15.0%
Vanguard Explorer Adm	-		1.0%	1.0%	2.0%	2.0%	3.0%	3.0%	3.0%	4.0%	4.0%
Northern Trust Small Cap Value SMA	-	_	1.0%	1.0%	2.0%	2.0%	3.0%	3.0%	3.0%	4.0%	4.0%
Total Domestic Equity Funds	_	7.0%	14.0%	21.0%	27.0%	34.0%	40.0%	46.0%	53.0%	60.0%	65.0%
International Equity Funds											
Fidelity Total International Index Fund	-	2.0%	4.0%	7.0%	10.0%	13.0%	16.0%	19.0%	22.0%	24.0%	29.0%
Total International Equity Funds	-	2.0%	4.0%	7.0%	10.0%	13.0%	16.0%	19.0%	22.0%	24.0%	29.0%
Real Estate Funds											
Vanguard REIT ETF	-	1.0%	2.0%	2.0%	3.0%	3.0%	4.0%	5.0%	5.0%	6.0%	6.0%
Total Real Estate Funds	-	1.0%	2.0%	2.0%	3.0%	3.0%	4.0%	5.0%	5.0%	6.0%	6.0%



# College Savings Plans of Nebraska – Bloomwell Core

	Allocation to	Underlyin	n Funds						
Age-Based Option	19 plus	17-18	15-16	13-14	11-12	9-10	6-8	3-5	0-2
Money Market Funds									
Goldman Sachs Financial Square Government Money Market	33.0%	21.0%	17.0%	13.0%	8.5%	4.0%	2.0%	-	-
Total Money Market Funds	33.0%	21.0%	17.0%	13.0%	8.5%	4.0%	2.0%	-	-
Fixed Income Funds									
Vanguard Short-Term Bond ETF	24.0%	22.0%	17.5%	13.0%	9.5%	6.0%	3.0%	-	-
iShares Core US Aggregate Bond ETF	25.0%	28.0%	26.5%	25.0%	23.5%	22.0%	17.5%	13.0%	5.0%
Vanguard Total International Bond ETF	3.0%	4.0%	4.0%	3.0%	2.5%	2.0%	1.5%	1.0%	-
VanEck Vectors JP Morgan EM Bond ETF	-	-	-	1.0%	1.0%	1.0%	1.0%	1.0%	-
Total Fixed Income Funds	52.0%	54.0%	48.0%	42.0%	36.5%	31.0%	23.0%	15.0%	5.0%
Domestic Equity Funds									
iShares Core S&P Total US Stock Market ETF	12.0%	20.0%	27.5%	35.0%	42.5%	50.0%	57.5%	65.0%	73.0%
Total Domestic Equity Funds	12.0%	20.0%	27.5%	35.0%	42.5%	50.0%	57.5%	65.0%	73.0%
International Equity Funds									
Vanguard FTSE Developed Markets ETF	3.0%	4.0%	6.0%	8.0%	10.0%	12.0%	14.0%	16.0%	17.5%
Vanguard FTSE Emerging Markets ETF	-	1.0%	1.5%	2.0%	2.5%	3.0%	3.5%	4.0%	4.5%
Total International Equity Funds	3.0%	5.0%	7.5%	10.0%	12.5%	15.0%	17.5%	20.0%	22.0%



# College Savings Plans of Nebraska – Bloomwell Socially Aware

	Allocation to	Underlying	g Funds						
Age-Based Option	19 plus	17-18	15-16	13-14	11-12	9-10	6-8	3-5	0-2
Money Market Funds									
Goldman Sachs Financial Square Government Money Market	33.0%	21.0%	17.0%	13.0%	8.5%	4.0%	2.0%	-	-
Total Money Market Funds	33.0%	21.0%	17.0%	13.0%	8.5%	4.0%	2.0%	-	
Fixed Income Funds									
Vanguard Short-Term Bond ETF	24.0%	22.0%	17.5%	13.0%	9.5%	6.0%	3.0%	-	-
iShares Core US Aggregate Bond ETF	25.0%	28.0%	26.5%	25.0%	23.5%	22.0%	17.5%	13.0%	5.0%
Vanguard Total International Bond ETF	3.0%	4.0%	4.0%	3.0%	2.5%	2.0%	1.5%	1.0%	-
VanEck Vectors JP Morgan EM Bond ETF	-	-	-	1.0%	1.0%	1.0%	1.0%	1.0%	-
Total Fixed Income Funds	52.0%	54.0%	48.0%	42.0%	36.5%	31.0%	23.0%	15.0%	5.0%
Domestic Equity Funds									
iShares MSCI USA ESG Optimized ETF	11.0%	18.0%	24.8%	31.5%	38.3%	45.0%	51.8%	58.5%	65.5%
NuShares ESG Small-Cap ETF	1.0%	2.0%	2.8%	3.5%	4.3%	5.0%	5.8%	6.5%	7.5%
Total Domestic Equity Funds	12.0%	20.0%	27.5%	35.0%	42.5%	50.0%	57.5%	65.0%	73.0%
International Equity Funds									
iShares MSCI EAFE ESG Optimized ETF	3.0%	4.0%	6.0%	8.0%	10.0%	12.0%	14.0%	16.0%	17.5%
iShares MSCI EM ESG Optimized ETF	-	1.0%	1.5%	2.0%	2.5%	3.0%	3.5%	4.0%	4.5%
Total International Equity Funds	3.0%	5.0%	7.5%	10.0%	12.5%	15.0%	17.5%	20.0%	22.0%



# CSP of Nebraska (Direct, Advisor, and Bloomwell) Plan Watchlist

	1	2	3	4	5	6	Watch Li	st Status
	Underperformed During Trailing 5 Years	Underperformed in 3 of 4 Trailing Calendar Quarters	Diverged from Strategy and/or Portfolio Characteristics	Adverse Change in Portfolio Manager	Weak Manager Research Rating	Significant Organizational Change	4th Quarter 2022	3rd Quarter 2022
Goldman Sachs Financial Square Gov't Money Market	No	No	No	No	No	No		
State Street US Gov't Money Market	No	No	No	No	No	No		
Vanguard Federal Money Market	No	No	No	No	No	No		
Vanguard Short Term Inflation Protected Index*	No	No	No	No	No	No		
Vanguard Short Term Inflation Protected ETF*	No	No	No	No	No	No		
Vanguard Short Term Bond Index*	No	No	No	No	No	No		
Vanguard Short Term Bond ETF*	No	No	No	No	No	No		
Fidelity U.S. Bond Index*	No	No	No	No	No	No		
Vanguard Total Bond Market Index*	No	No	No	No	No	No		
Vanguard Total Stock Market Index*	No	No	No	No	No	No		
Vanguard Total Stock Market ETF*	No	No	No	No	No	No		
State Street S&P 500 Index*	No	No	No	No	No	No		
Vanguard Russll 1000 Value Index*	No	No	No	No	No	No		
Vanguard Extended Market Index*	No	No	No	No	No	No		
Vanguard Extended Market ETF*	No	No	No	No	No	No		
Vanguard Russell 2000 Growth Index*	No	No	No	No	No	No		
Vanguard Real Estate Index*	No	No	No	No	No	No		
Vanguard Real Estate ETF*	No	No	No	No	No	No		
Fidelity Total International Stock Index*	No	No	No	No	No	No		
State Street MSCI ACWI ex-US Index*	No	No	No	No	No	No		
Vanguard Total International Stock Index*	No	No	No	No	No	No		
Vanguard Emerging Markets Stocks Index*	No	No	No	No	No	No		
MetWest Total Return Bond	No	Yes	No	No	No	No		
PGIM Total Return Bond	No	Yes	No	No	No	No		
DFA World ex-US Government Fixed Income	Yes	Yes	No	No	No	No		

<sup>\*</sup>Tracking Error of 10 to 20 basis points is typical for index funds

- The table below provides a "Suggested Action" based on the number of affirmative responses received to the questions noted above.
- · Changes in Watch List designations from the previous quarter are highlighted in red.

Status	Number of Criteria Met	Suggested Action
	Less than 2	Active - No action required
	2 to 3	Active – On "closely monitored" list
	4	Closed - all allocations to the fund must be stopped, but accumulated balances may remain Invested
	Greater than 4	Closed Out - All invested balances must be moved to another active option



# CSP of Nebraska (Direct, Advisor, and Bloomwell) Plan Watchlist

	1	2	3	4	5	6	Watch List Status	
	Underperformed During Trailing 5 Years	Underperformed in 3 of 4 Trailing Calendar Quarters	Diverged from Strategy and/or Portfolio Characteristics	Adverse Change in Portfolio Manager	Weak Manager Research Rating	Significant Organizational Change	4th Quarter 2022	3rd Quarter 2022
SPDR S&P Dividend ETF*	No	No	No	No	No	No		
American Funds The Income Fund of America	Yes	No	No	No	No	No		
Vanguard Equity Income	Yes	No	No	No	No	No		
Dodge & Cox Stock	No	Yes	No	No	No	No		
T. Rowe Price Large Cap Growth	Yes	Yes	No	No	No	No		
Vanguard Explorer	No	No	No	No	No	No		
iShares Core S&P Small-Cap ETF*	No	No	No	No	No	No		
DFA US Small Cap Value	No	No	No	No	No	No		
Northern Small Cap Value	Yes	No	No	No	No	No		
Vanguard FTSE Emerging Markets ETF*	No	No	No	No	No	No		

<sup>\*</sup>Tracking Error of 10 to 20 basis points is typical for index funds

- The table below provides a "Suggested Action" based on the number of affirmative responses received to the questions noted above.
- Changes in Watch List designations from the previous quarter are highlighted in red.

Status	Number of Criteria Met	Suggested Action
	Less than 2	Active - No action required
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	4	Closed - all allocations to the fund must be stopped, but accumulated balances may remain Invested
	Greater than 4	Closed Out - All invested balances must be moved to another active option

#### **Total CSP of Nebraska**

#### Fee Schedule\*\*

	Ticker	Expense Ratio (%)
Am Funds The Inc Fund of America	RIDGX	0.26
DFA US Small Cap Value	DFSVX	0.30
DFA World ex-US Government	DWFIX	0.31
Dodge & Cox Stock	DODGX	0.51
Fidelity Total International Index	FTIHX	0.06
Fidelity U.S. Bond Index	FXNAX	0.03
Goldman Sachs Financial Square Gov't Money Market	FGTXX	0.18
iShares Core S&P Small-Cap ETF	IJR	0.06
MetWest Total Return Bond	MWTSX	0.36
Northern Small Cap Value	NOSGX	1.15
PGIM Total Return Bond	PTRQX	0.40
SPDR S&P Dividend ETF	SDY	0.35
State Street S&P 500 Index	SSSWX	0.32
State Street US Govt Money Market	GVMXX	0.12
State Street MSCI ACWI Ex-US Index		0.41
T Rowe Price Large Cap Growth	TRLGX	0.55
Vanguard Equity Income	VEIRX	0.19
Vanguard Explorer	VEXRX	0.29
Vanguard Extended Market Index	VIEIX	0.05
Vanguard Extended Market ETF	VXF	0.06
Vanguard Federal Money Market	VMFXX	0.11
Vanguard FTSE Emerging Mkts ETF	VWO	0.08
Vanguard Emerging Markets Stock Index	VEMIX	0.08
Vanguard Real Estate Index	VGSNX	0.10
Vanguard Real Estate ETF	VNQ	0.12
Vanguard Russell 1000 Value Index	VRVIX	0.07
Vanguard Russell 2000 Growth Index	VRTGX	0.08
Vanguard Short-Term Bond Index	VBITX	0.05
Vanguard Short-Term Bond ETF	BSV	0.04
Vanguard ST Inflation Protected	VTSPX	0.04
Van Sht-Trm Inf-Prtcted Sec ETF	VTIP	0.04
Vanguard Total Bond Market Index	VBMPX	0.03

<sup>\*\*</sup> In addition to the fees listed above, \$530,810 (~1 bp on assets) in annual fees are paid to the Nebraska Investment Council. Includes funds in the First National Direct Plan, First National Advisor Plan, and First National Bloomwell Plan.

Nebraska Investment Council



#### **Total CSP of Nebraska**

Fee Schedule\*\*

	Ticker	Expense Ratio (%)
Vanguard Total Intl Stock Index	VTPSX	0.07
Vanguard Total Stock Market Index	VITPX	0.02
Vanguard Total Stock Market ETF	VTI	0.03

<sup>\*\*</sup> In addition to the fees listed above, \$530,810 (~1 bp on assets) in annual fees are paid to the Nebraska Investment Council. Includes funds in the First National Direct Plan, First National Advisor Plan, and First National Bloomwell Plan.

Nebraska Investment Council



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#### **Enable Savings Plan**



## **Enable Savings Plan**

	Allocation	Allocation				Performance %			
	Market Value (\$)	1 Quarter	1 Year	3 Years	5 Years	Since Inception	Inception Date		
Enable Savings Plan	28,994,826								
<b>Growth Option</b>	6,017,335	7.7	-17.5	3.5	5.0	7.4	07/01/2016		
Enable Benchmark Growth Option		7.8	-17.2	3.6	5.3	7.7			
Moderate Option	3,765,981	6.1	-15.4	2.4	4.0	5.7	07/01/2016		
Enable Benchmark Moderate Option		6.3	-15.0	2.4	4.2	6.0			
<b>Conservative Option</b>	2,735,426	3.6	-10.1	1.4	2.6	3.3	07/01/2016		
Enable Benchmark Conservative Option		3.8	-9.7	1.5	2.8	3.6			
Bank Savings Option	12,527,213	0.0	0.0	0.1	0.5	0.5	07/01/2016		
FTSE 3 Month T-Bill		0.9	1.5	0.7	1.2	1.1			
Checking Option	3,948,871								

Enable Savings P	lan: Nebraska	28,994,826
<b>Growth Option N</b>	ebraska	6,017,335
<b>Moderate Option</b>	Nebraska	3,765,981
<b>Conservative Op</b>	tion Nebraska	2,735,426
Bank Savings O	otion Nebraska	12,527,213
<b>Checking Option</b>	Nebraska	3,948,871



## **Enable Savings Plan**

		Performance %						
	1 Quarter	1 Year	3 Years	5 Years	Since Inception	Inception Date		
Vanguard Total Stock Market Index	7.2	-19.5	7.0	8.7	11.3	07/01/2016		
CRSP U.S. Total Market TR Index	7.1	-19.5	7.0	8.7	11.3			
Vanguard International Stock Index	14.7	-16.0	0.5	1.1	5.4	07/01/2016		
FTSE All World ex-U.S. (Net)	14.3	-15.6	0.5	1.1	5.5			
Vanguard Total Bond Market Index	1.7	-13.1	-2.7	0.0	0.1	07/01/2016		
Blmbg. U.S. Aggregate Float Adjusted	1.9	-13.1	-2.7	0.1	0.2			
Vangaurd Short Term Bond Index	1.1	-5.5	-0.7	0.8	0.6	07/01/2016		
Blmbg. U.S. Gov/Credit Float Adj: 1-5 Year	1.2	-5.5	-0.7	0.8	0.7			
Vanguard Short-Term Inflation Protected Securities	1.3	-2.8	2.4	2.5	2.1	07/01/2016		
Barclays U.S. 0-5 Year TIPS	1.3	-2.7	2.5	2.6	2.1			
Vanguard Federal Money Market	0.9	1.6	0.7	1.2	1.1	07/01/2016		
Citigroup 3 Month T-Bill	0.9	1.5	0.7	1.2	1.1			



# **ENABLE Savings Plan**

# Allocation to Underlying Funds

	Growth Option	Moderate Option	Conservative Option
Equity			
Vanguard Total Stock Market Index	56%	42%	21%
Vanguard International Stock Index	24	18	9
Fixed Income			
Vanguard Total Bond Market Index	20	30	25
Vanguard Short-Term Bond Index		5	15
Vanguard Short-Term Inflation Protect Securities			15
Cash			
Vanguard Federal Money Market		5	15
Total Fund Assets	100%	100%	100%



# **ENABLE Plan Watchlist**

## As of December 31, 2022

#### **ENABLE**

**Investment Watchlist Summary** 

	1 Underperformed During Trailing 5 Years	2 Underperformed in 3 of 4 Trailing Calendar Quarters	3 Diverged from Strategy and/or Portfolio Characteristics	4 Adverse Change in Portfolio Manager	5 Weak Manager Research Rating	6 Significant Organizational Change	Watch Li 4th Quarter 2022	st Status 3rd Quarter 2022
Vanguard Total Stock Market Index*	No	No	No	No	No	No		
Vanguard International Stock Index*	No	No	No	No	No	No		
Vanguard Total Bond Market Index*	No	No	No	No	No	No		
Vangaurd Short Term Bond Index*	No	No	No	No	No	No		
Vanguard Short-Term Inflation Protected Securities	No	No	No	No	No	No		
Vanguard Federal Money Market	No	No	No	No	No	No		

<sup>\*</sup>Tracking Error of 10 to 20 basis points is typical for index funds.

- The table below provides a "Suggested Action" based on the number of affirmative responses received to the questions noted above.
- Changes in Watch List designations from the previous quarter are highlighted in red.

Status	Number of Criteria Met	Suggested Action
	Less than 2	Active - No action required
	2 to 3	Active - On "closely monitored" list
	4	Closed - all allocations to the fund must be stopped, but accumulated balances may remain Invested
	Greater than 4	Closed Out – All invested balances must be moved to another active option



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**Total State Farm College Savings** 



## **Total State Farm College Savings Plan**

	Allocation					
	Market Value \$ (\$)	%	1 Quarter	1 Year	Since Inception	Inception Date
Total State Farm College Savings Plan	623,261,572	100.0				
State Farm Age-Based Investment Options	462,587,779	74.2				
Age-Based 0-2	2,714,982	0.4	8.6	-19.3	-0.8	01/01/2021
Age-Based Benchmark 0-2 yr			8.7	-19.0	-0.4	
Age-Based 3-5	10,966,438	1.8	8.2	-19.0	-1.1	01/01/2021
Age-Based Benchmark 3-5 yr			8.4	-18.7	-0.7	
Age-Based 6-8	36,463,730	5.9	7.6	-18.3	-1.8	01/01/2021
Age-Based Benchmark 6-8 yr			7.7	-18.0	-1.3	
Age-Based 9-10	44,359,090	7.1	6.7	-17.3	-2.1	01/01/2021
Age-Based Benchmark 9-10 yr			6.9	-16.8	-1.6	
Age-Based 11-12	54,770,097	8.8	6.0	-16.2	-2.6	01/01/2021
Age-Based Benchmark 11-12 yr			6.2	-15.7	-2.0	
Age-Based 13-14	63,306,124	10.2	5.2	-14.8	-2.8	01/01/2021
Age-Based Benchmark 13-14 yr			5.4	-14.2	-2.1	
Age-Based 15-16	72,853,929	11.7	4.4	-13.4	-3.0	01/01/2021
Age-Based Benchmark 15-16 yr			4.6	-12.7	-2.3	
Age-Based 17-18	77,404,033	12.4	3.7	-11.8	-3.0	01/01/2021
Age-Based Benchmark 17-18 yr			3.9	-11.2	-2.4	
Age-Based 19+	99,749,357	16.0	2.9	-10.3	-3.2	01/01/2021
Age-Based Benchmark 19+ yr			3.1	-9.7	-2.5	



## **Total State Farm College Savings Plan**

	Allocation				<b>0</b> :	
	Market Value \$ (\$)	%	- 1 Quarter	1 Year	Since Inception	Inception Date
State Farm Static Investment Options	160,673,793	25.8				
All Equity Static	83,444,650	13.4	8.6	-19.3	-0.8	01/01/2021
All Equity Static Benchmark			8.7	-19.0	-0.4	
Growth Static	39,232,882	6.3	7.6	-18.3	-1.8	01/01/2021
Growth Static Benchmark			7.7	-18.0	-1.3	
Moderate Growth Static	16,003,917	2.6	6.0	-16.2	-2.6	01/01/2021
Moderate Growth State Benchmark			6.2	-15.7	-2.0	
Balanced Static	3,005,832	0.5	5.2	-14.8	-2.8	01/01/2021
Balanced Static Benchmark			5.4	-14.2	-2.1	
Conservative Static	2,758,720	0.4	2.9	-10.2	-3.1	01/01/2021
Conservative Static Benchmark			3.1	-9.7	-2.5	
Money Market Static	10,058,498	1.6	0.8	1.5	0.7	01/01/2021
FTSE 3 Month T-Bill			0.9	1.5	0.8	
Bank Savings Static	6,169,294	1.0	0.9	1.6	1.0	01/01/2021
FTSE 3 Month T-Bill			0.9	1.5	0.8	



# College Savings Plans of Nebraska – State Farm

	Allocation to Underlying Funds										
State Farm Age-Based Options	19+ Years	17-18 Years	15-16 Years	13-14 Years	11-12 Years	9-10 Years	6-8 Years	3-5 Years	0-2 Years		
State Street S&P 500 Index	16.00%	22.00%	28.00%	34.00%	40.00%	46.00%	52.00%	58.00%	61.00%		
Vanguard Extended Market ETF	2.00%	3.00%	4.00%	5.00%	6.00%	7.00%	8.00%	10.00%	10.50%		
Vanguard REIT ETF	2.00%	2.50%	3.00%	3.50%	4.00%	4.50%	5.00%	5.00%	5.25%		
State Street MSCI ACWI ex USA Index	5.00%	7.50%	10.00%	12.50%	15.00%	17.50%	20.00%	22.00%	23.25%		
DFA World ex-US Government Fixed Income	4.00%	4.00%	4.00%	3.50%	3.00%	2.50%	2.00%				
iShares Core US Aggregate ETF	28.00%	26.50%	25.00%	23.50%	22.00%	17.50%	13.00%	5.00%			
Vanguard Short-Term Bond ETF	17.00%	15.00%	13.00%	9.50%	6.00%	3.00%					
Vanguard Short-Term Inflation-Protected ETF	5.00%	2.50%									
Goldman Sachs Fin Sq Government Money Market	21.00%	17.00%	13.00%	8.50%	4.00%	2.00%					

State Farm Static Options	Conservative	Balanced	Moderate Growth	Growth	All Equity
State Street S&P 500 Index	16.00%	34.00%	40.00%	52.00%	61.00%
Vanguard Extended Market ETF	2.00%	5.00%	6.00%	8.00%	10.50%
Vanguard REIT ETF	2.00%	3.50%	4.00%	5.00%	5.25%
State Street MSCI ACWI ex USA Index	5.00%	12.50%	15.00%	20.00%	23.25%
DFA World ex-US Government Fixed Income	4.00%	3.50%	3.00%	2.00%	
iShares Core US Aggregate ETF	28.00%	23.50%	22.00%	13.00%	
Vanguard Short-Term Bond ETF	17.00%	9.50%	6.00%		
Vanguard Short-Term Inflation-Protected ETF	5.00%	-			
Goldman Sachs Fin Sq Government Money Market	21.00%	8.50%	4.00%		





#### **Total Endowment Plans**

As of December 31, 2022

	Allocation	า				Performance %			
	Market Value \$ (\$)	%	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Total Endowment Plans	1,604,988,406	100.0							
Health Care Endowment	479,501,169	29.9	6.7	-11.9	4.9	5.9	8.1	6.7	01/01/2001
Health Care Policy			6.7	-14.2	4.1	5.4	7.7	5.9	
50/50 Endowments	1,064,434,021	66.3	5.7	-10.4	2.7	4.1	5.9	6.9	01/01/1996
50/50 Endowment Policy			5.3	-14.3	1.9	3.8	5.8	6.4	
Excess Liability Fund	61,053,216	3.8	2.5	-12.7	-2.1	0.5	1.5	4.6	07/01/1997
Performance Benchmark			2.7	-13.0	-2.5	0.2	1.3	4.3	
Health Care Endowment Fixed	106,625,430	6.6	1.3	-6.9	-1.4	0.4	0.8	2.5	12/01/2000
Performance Benchmark			1.4	-7.1	-1.1	0.7	1.0	2.8	

The table above details the allocation and performance of the various Endowment Funds. The line-item labeled "50/50 Endowments" represents the Agricultural College, Bessey, Permanent School, Permanent University, State College, Veterans Aid, Cultural Endowments, and the Environmental Endowment Fund.



#### **Endowment Breakout**

AS OF December 31, 2022									
	Allocatio	on				Performance %			
	Market Value \$ (\$)	%	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Total Health Care Endowment	479,501,169	100.0	6.7	-11.9	4.9	5.9	8.1	6.7	01/01/2001
Health Care Policy			6.7	-14.2	4.1	5.4	7.7	5.9	
Total US Equity	141,224,970	29.5	7.5	-18.6	7.4	8.9	12.2	8.0	01/01/2002
Dow Jones U.S. Total Stock Market Index			7.2	-19.5	6.9	8.7	12.0	8.3	
Total Non-US Equity	58,224,756	12.1	14.1	-16.6	0.1	0.7	4.0	4.0	01/01/2001
MSCI All Country World ex-U.S. IMI*			14.1	-16.6	0.2	0.8	4.0	4.4	
Total Global Equity	109,011,507	22.7	12.8	-12.3	5.1	5.6	8.3	8.0	09/01/2005
MSCI All Country World IMI*			9.8	-18.4	3.9	5.0	7.9	6.4	
Total Fixed Income	106,625,430	22.2	1.3	-6.9	-1.4	0.4	0.8	2.5	12/01/2000
Performance Benchmark			1.4	-7.1	-1.1	0.7	1.0	2.8	
Total Real Estate	19,594,584	4.1							
Total Private Equity	44,819,922	9.3							
	Allocatio	n				Performance %			
	Market Value \$ (\$)	%	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Total 50/50 Endowment	1,064,434,021	100.0	5.7	-10.4	2.7	4.1	5.9	6.9	01/01/1996
50/50 Endowment Policy			5.3	-14.3	1.9	3.8	5.8	6.4	
Total US Equity	211,892,081	19.9	12.1	-8.2	6.1	6.6	10.3	7.1	01/01/2002
Dow Jones U.S. Total Stock Market Index			7.2	-19.5	6.9	8.7	12.0	8.3	
Total Non-US Equity	80,803,338	7.6	14.1	-16.6	0.1	0.7	4.0	4.0	01/01/2001
MSCI All Country World ex-U.S. IMI*			14.1	-16.6	0.2	0.8	4.0	4.4	
Total Global Equity	130,144,038	12.2	12.8	-12.3	5.1	5.6	8.3	8.0	09/01/2005
MSCI All Country World IMI*			9.8	-18.4	3.9	5.0	7.9	6.4	
Total Fixed Income	523,031,273	49.1	2.5	-12.8	-2.2	0.4	1.5	4.6	07/01/1997
Total Fixed Income Custom Benchmark*			2.7	-13.0	-2.5	0.2	1.3	4.3	
Total Core Fixed Income	363,777,362	34.2	1.9					-4.1	05/01/2022
Blmbg. U.S. Aggregate			1.9					-3.9	
Total Return Seeking Fixed Income	159,253,910	15.0	4.0					-3.2	05/01/2022
50/50 Endowment RS Custom FI Benchmark*			4.6					-3.3	
Total Real Estate	49,446,318	4.6							
Total Private Equity	69,116,973	6.5							

<sup>-</sup> Historical performance shown for underlying mutual fund and ETF options reflects performance since the inception of the mutual fund / ETF and may pre-date the option's inclusion within the Nebraska CSP. - Performance of the Age-Based and Static investment options shown above and on the following pages is shown net of the 529 Program Manager fees (15 bps per annum) and State fees (2 bps per annum).



	Allocation	1				Performance %			
	Market Value \$ (\$)	%	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Total Endowment	1,498,362,896	100.0							
Total U.S. Equity	353,117,051	23.6	10.2	-12.5	6.8	7.6	11.1	7.4	01/01/2002
Dow Jones U.S. Total Stock Market Index			7.2	-19.5	6.9	8.7	12.0	8.3	
DFA	34,408,376	2.3	10.1	-13.5	7.9	5.8	10.4	9.8	01/01/2002
Russell 2000 Index*			6.2	-20.4	3.1	4.1	8.7	8.0	
BlackRock Russell 1000 (Healthcare Endowment)	125,286,379	8.4	7.2	-19.2	7.3	9.2	-	11.9	02/01/2013
Russell 1000 Index			7.2	-19.1	7.3	9.1	-	11.9	
BlackRock Russell 1000 Value Index	193,402,117	12.9	12.3	-7.6	6.0	6.7	10.3	10.3	12/01/2012
Russell 1000 Value Index			12.4	-7.5	6.0	6.7	10.3	10.4	
BlackRock Russell 1000 Index	20,179	0.0							
Total Non-U.S. Equity	139,028,094	9.3	14.1	-16.6	0.1	0.7	4.0	4.0	01/01/2001
MSCI All Country World ex-U.S. IMI*			14.1	-16.6	0.2	0.8	4.0	4.4	
BlackRock All Country World ex-U.S. IMI	139,028,094	9.3	14.1	-16.6	0.1	0.8	4.0	3.7	01/01/2001
MSCI All Country World ex-U.S. IMI*			14.1	-16.6	0.2	0.8	4.0	3.7	
Total Global Equity	239,155,465	16.0	12.8	-12.3	5.1	5.6	8.3	8.0	09/01/2005
MSCI All Country World IMI*			9.8	-18.4	3.9	5.0	7.9	6.4	
MFS	98,456,732	6.6	13.0	-17.4	3.4	5.7	9.0	8.3	10/01/2005
MSCI All Country World IMI*			9.8	-18.4	3.9	5.0	7.9	6.2	
Wellington Equity	36,306,340	2.4	11.1	-15.4	5.1	3.7	-	7.8	12/01/2016
MSCI AC World Small Cap (Net)			10.4	-18.7	3.2	3.2	-	6.7	
Dodge & Cox	104,390,307	7.0	13.3	-5.8	6.4	5.5	-	6.7	07/01/2017
MSCI AC World IMI (Net)			9.8	-18.4	3.9	5.0	-	6.6	
Mondrian	2,086	0.0							

<sup>\*</sup>Denotes a performance benchmark that is a splice of more than one index. Descriptions can be found in the appendix of this report. Nebraska Investment Council



	Allocation	1				Performance %			
	Market Value \$ (\$)	%	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Total Fixed Income	584,084,489	39.0	2.5	-12.8	-2.2	0.4	1.5	4.6	07/01/1997
Total Fixed Income Custom Benchmark*			2.7	-13.0	-2.5	0.2	1.3	4.3	
Total Core Fixed Income	406,240,938	27.1	1.9					-4.1	05/01/2022
Blmbg. U.S. Aggregate			1.9	-	-	-	-	-3.9	
BlackRock Aggregate Bond Index	170,316,471	11.4	1.7	-13.0	-2.7	0.0	1.1	2.9	12/01/2006
Blmbg. U.S. Aggregate			1.9	-13.0	-2.7	0.0	1.1	2.9	
PIMCO	115,681,690	7.7	1.8	-13.9	-2.4	0.2	1.3	4.6	04/01/1998
PIMCO Core Plus Endowment Custom Benchmark			1.9	-13.1	-2.6	0.2	1.3	4.1	
Baird - Endowment	119,817,751	8.0	2.2	-	-	-	-	-3.9	05/01/2022
Baird Endowment Custom Benchmark			1.9	-	-	<del>-</del>	-	-4.0	
Total Return Seeking Fixed Income	177,843,551	11.9	4.0					-3.2	05/01/2022
50/50 Endowment RS Custom FI Benchmark			4.6	-	-	-	-	-3.3	
Loomis Sayles	87,902,853	5.9	3.1	-12.4	0.3	1.9	3.4	5.4	07/01/2006
Loomis Sayle Custom Benchmark			2.2	-11.5	-2.0	0.5	1.5	3.8	
PIMCO DIV INC - Endowment	89,940,698	6.0	4.9	-	-	-	-	-2.5	05/01/2022
PIMCO DIV INC Custom Benchmark			4.9	-	-	-	-	-3.1	

<sup>\*</sup>Denotes a performance benchmark that is a splice of more than one index. Descriptions can be found in the appendix of this report. Nebraska Investment Council



As of December 31, 2022

	Allocation					Performance %			
	Market Value \$ (\$)	%	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Total Real Estate	69,040,902	4.6							
Metropolitan Real Estate Partners (Combined)	1,572,669	0.1							
Prudential PRISA	11,419,712	0.8							
UBS Trumbull	9,019,108	0.6							
Landmark VII	1,269,272	0.1							
UBS Trumbull Property Income	7,403,531	0.5							
MREP SCIF	4,024,691	0.3							
Torchlight Debt Opportunity	5,257,440	0.4							
PRIME Property Fund LLC	3,614,110	0.2							
Real Estate Cash	102,252	0.0							
Total Private Equity	113,936,895	7.6							
Abbott Capital VI	17,018,659	1.1							
Abbott Capital VII	24,150,787	1.6							
RCP Fund VII	9,339,497	0.6							
RCP Fund VIII	6,288,084	0.4							
Dover Street VIII L.P.	1,739,568	0.1							
Ironside Partnership Fund V	19,335,413	1.3							
Dover Street X L.P.	11,892,312	0.8							
Private Equity Cash	24,172,574	1.6							

Inception-to-date IRR for Real Estate 9.3% as of 9/30/2022. The Inception-to-Date IRR for Private Equity is 17.1% as of 9/30/2022.

<sup>\*</sup>Denotes a performance benchmark that is a splice of more than one index. Descriptions can be found in the appendix of this report. Nebraska Investment Council



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#### **Total In-House Plans**



#### **Total In House Trusts & OIP Performance**

As of December 31, 2022

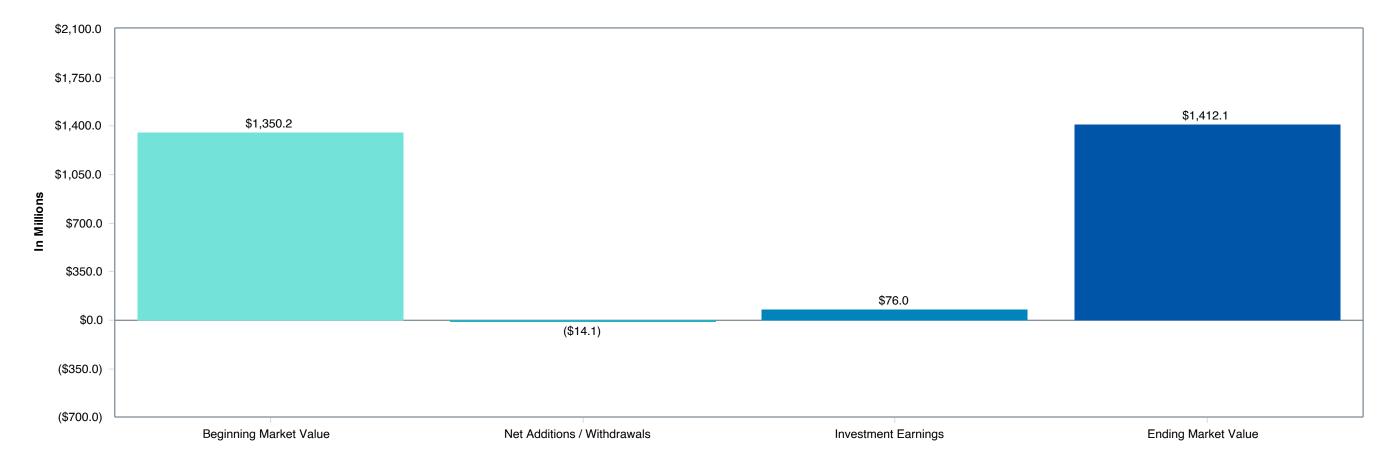
	Allocatio	n				Performance %				
	Market Value \$ (\$)	%	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date	
Total In-House Plans	8,049,257	100.0								
Aeronautics	5,801,340	72.1	1.0	-11.6	-2.4	0.1	0.7	5.2	01/01/1990	
Blmbg. U.S. Treasury			0.7	-12.5	-2.6	-0.1	0.6	4.8		
Agricultural Development	2,247,917	27.9	1.0	-12.0	-2.6	0.0	0.7	5.4	01/01/1989	
Blmbg. Barc. U.S. Treasury			0.7	-12.5	-2.6	-0.1	0.6	5.1		
	Allocation	on				Performance %	Performance %			
	Market Value \$ (\$)	%	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date	
Total OIP	8,503,505,648	100.0	1.3	-6.9	-1.3	0.6	1.0	3.2	01/01/1997	
Performance Benchmark			1.5	-6.8	-1.0	0.8	1.1	3.4		
nternal Short–Term Liquidity Pool	1,115,349,824	13.1	0.8	1.4	0.5	1.0	0.6	2.8	01/01/1997	
Performance Benchmark			0.9	1.5	0.7	1.2	0.7	2.1		
Operating Investment Pool (Internal G/C)	7,388,155,824	86.9	1.3	-7.9	-1.2	0.7	1.1	1.4	11/01/2011	
Performance Benchmark			1.6	-8.2	-1.3	0.7	1.1	1.4		
						Total Fund				
				\$				%		

The Internal Short-Term Liquidity Pool includes the DB STIF amount of \$18,908,710. When summing the assets of all NIC Plans, the DB STIF has been counted in the DB Plan and removed from the In-House Plan to avoid double counting.





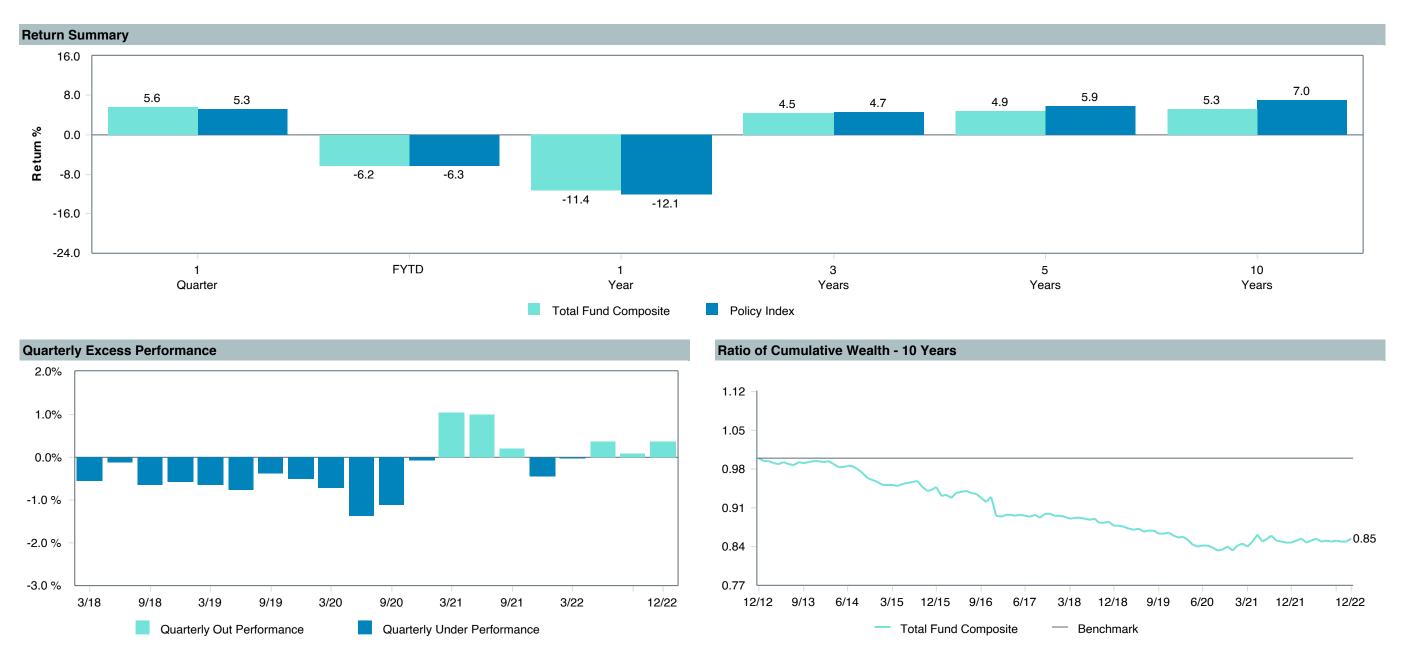
### **Total Plan Asset Summary**

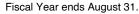


Summary of Cash Flows			
	1 Quarter	FYTD	1 Year
Total Fund Composite			
Beginning Market Value	1,350,199,514	1,445,344,157	1,626,049,076
+ Additions / Withdrawals	-14,092,291	-20,098,249	-30,934,046
+ Investment Earnings	76,036,368	-13,102,317	-182,971,438
= Ending Market Value	1,412,143,592	1,412,143,592	1,412,143,592



#### **Total Plan Performance Summary**







	Allocation		Performance %					
	Market Value \$	%	1 Quarter	FYTD	1 Year	3 Years	5 Years	10 Years
OSERS	1,412,143,592	100.0	5.6 (35)	-0.9 (62)	-11.4 (51)	4.5 (50)	4.9 (62)	5.3 (97)
Policy Index			5.3 (42)	-1.4 (78)	-12.1 (60)	4.7 (45)	5.9 (32)	7.0 (46)
U.S. Equity Composite	327,165,408	23.2	7.6 (44)	-2.4 (63)	-18.4 (58)	7.6 (26)	8.9 (21)	10.7 (71)
Custom U.S. Equity Index			7.2 (65)	-2.8 (77)	-19.5 (75)	6.9 (44)	8.7 (29)	11.6 (46)
BlackRock Russell 1000 Index	292,739,684	20.7	7.2 (63)	-2.7 (64)	-19.0 (61)	7.5 (38)	9.2 (33)	-
Russell 1000 Index			7.2 (62)	-2.7 (64)	-19.1 (62)	7.3 (41)	9.1 (34)	-
Dimensional Fund Advisors	34,425,723	2.4	10.3 (27)	0.1 (34)	-13.2 (19)	7.4 (35)	5.7 (60)	-
Russell 2000 Index			6.2 (88)	-4.0 (88)	-20.4 (76)	3.1 (82)	4.1 (83)	-
Global Equity Composite	236,480,797	16.7	13.9 (23)	3.3 (24)	-12.5 (34)	6.4 (19)	6.4 (31)	8.7 (37)
Custom Global Equity Index			9.8 (62)	-0.8 (65)	-18.4 (54)	3.9 (50)	5.0 (54)	7.9 (59)
Arrowstreet	84,189,098	6.0	14.9 (16)	4.3 (16)	-12.1 (33)	8.8 (8)	8.0 (12)	-
MSCI AC World IMI (Net)			9.8 (62)	-0.8 (65)	-18.4 (54)	3.9 (50)	5.0 (54)	-
MFS	69,738,481	4.9	13.0 (30)	3.0 (27)	-17.2 (49)	3.6 (55)	5.8 (39)	-
MSCI AC World IMI (Net)			9.8 (62)	-0.8 (65)	-18.4 (54)	3.9 (50)	5.0 (54)	-
Wellington Equity	27,783,545	2.0	11.2 (52)	1.0 (48)	-14.4 (32)	5.5 (51)	4.4 (38)	-
MSCI AC World Small Cap (Net)			10.4 (65)	-0.9 (66)	-18.7 (35)	3.2 (80)	3.2 (59)	-
Dodge & Cox	54,769,672	3.9	14.7 (15)	3.2 (23)	-6.0 (16)	6.5 (20)	5.5 (37)	-
MSCI AC World IMI (Net)			9.8 (57)	-0.8 (54)	-18.4 (50)	3.9 (48)	5.0 (46)	-
International Equity Composite	147,092,265	10.4	14.2 (68)	2.7 (67)	-16.4 (43)	0.4 (56)	0.9 (59)	
MSCI AC World ex USA IMI (Net)			14.1 (68)	2.6 (68)	-16.6 (44)	0.2 (60)	0.8 (60)	-
BlackRock ACWI ex-U.S. IMI Index	147,092,265	10.4	14.2 (68)	2.7 (67)	-16.4 (43)	0.4 (56)	1.1 (56)	-
MSCI AC World ex USA IMI (Net)			14.1 (68)	2.6 (68)	-16.6 (44)	0.2 (60)	0.8 (60)	-



As of December 31, 2022

	Allocation				Performan	ice %		
	Market Value \$	%	1 Quarter	FYTD	1 Year	3 Years	5 Years	10 Years
Total Fixed Income	403,044,905	28.5	2.3 (27)	-2.2 (47)	-12.8 (61)	-2.2 (75)	0.4 (74)	-0.5 (98)
Custom Fixed Income Index			2.3 (27)	-2.2 (45)	-12.9 (67)	-2.5 (83)	0.2 (83)	1.2 (90)
Total Core Fixed Income	337,292,155	23.9	2.0 (47)	-2.5 (73)				
Blmbg. U.S. Aggregate			1.9 (53)	-2.5 (72)	-	-	-	-
BlackRock Aggregate Bond Index	84,125,499	6.0	1.7 (62)	-2.7 (54)	-13.0 (37)	-2.7 (70)	0.1 (64)	-
Blmbg. U.S. Aggregate			1.9 (37)	-2.5 (35)	-13.0 (36)	-2.7 (70)	0.0 (70)	-
BlackRock Core Plus Universal	87,607,842	6.2	2.1 (49)	-2.8 (73)	-13.8 (68)	-2.7 (78)	0.1 (78)	-
BlackRock Core Plus Benchmark			1.9 (63)	-2.5 (52)	-13.2 (47)	-2.6 (76)	0.1 (75)	-
PIMCO	76,732,298	5.4	2.1 (42)	-2.5 (49)	-13.9 (71)	-2.1 (49)	0.6 (39)	-
PIMCO Core Plus Benchmark			1.9 (63)	-2.5 (52)	-13.1 (46)	-2.6 (75)	0.2 (75)	-
Baird	88,035,133	6.2	2.2 (28)	-2.3 (26)	•	-	-	-
Blmbg. U.S. Aggregate			1.9 (50)	-2.5 (46)	-	-	-	-
OSERS Contributions & Withdrawals	740,768	0.1						
Total Return Seeking Fixed Income	65,752,751	4.7	3.7 (8)	-0.5 (36)				
OSERS Custom RS FI Benchmark			4.6 (6)	-0.1 (31)	-	-	-	-
Loomis Sayles	19,609,838	1.4	2.6 (23)	-1.8 (19)	•	-	-	-
Blmbg. Barc. Universal Bond Index*			2.2 (36)	-2.2 (32)	-	-	-	-
PIMCO DIV INC	19,738,866	1.4	4.8 (6)	0.1 (30)	•	-	-	-
PIMCO DIV INC Custom Benchmark			4.9 (6)	0.0 (30)	-	-	-	-
Barings	26,404,047	1.9	3.6 (8)	0.0 (30)	•	-	-	-
Barings Primary Benchmark			2.1 (21)	2.8 (1)	-	-	-	-
Hedge Fund Composite	6,975,234	0.5	0.0	0.0	0.0	0.4	-3.2	-2.0
HFRI RV: Multi-Strategy Index			0.3	-1.4	-0.7	4.3	3.6	4.0
Vaquero EMD	6,963,543	0.5	0.0	0.0	0.0	0.4	-4.6	-5.6
Blmbg. Emerging Markets USD Aggregate Index			6.6	0.7	-15.3	-3.9	-0.4	1.7
Hedge Fund Cash	11,691	0.0						
Real Asset Composite	19,670,782	1.4	-1.3	-1.3	20.6	27.4	12.3	8.5
Custom Real Asset Benchmark			2.9	3.1	8.3	13.1	10.4	6.7
BTG	43,877	0.0						
JP Morgan Global Maritime	18,056,966	1.3						
Real Asset Cash	1,569,939	0.1						

Fiscal Year ends August 31.



	Allocation				Perform	ance %		
	Market Value \$	%	1 Quarter	FYTD	1 Year	3 Years	5 Years	10 Years
Private Equity Composite	161,977,020	11.5	0.0	-2.1	0.4	17.0	13.7	9.5
Burgiss All US PE (1-Qtr Lag)			-0.5	-4.4	0.3	19.4	17.3	15.6
AAVIN Mezzanine Credit Funds	40,498,091	2.9						
FCP Capital	4,953,819	0.4						
SPC Capital*	85,190,138	6.0						
Stonetree Capital	30,147,579	2.1						
Private Equity Cash	1,187,393	0.1						
*SPC is currently being wound down by Hamilton Lane  Real Estate Composite  NCREIF Property Index	109,737,180	7.8	-3.2 -3.5	-3.2 -2.9	6.2 5.5	4.5 8.1	3.2 7.5	5.8 8.8
			-3.5	-2.9	5.5	8.1	7.5	8.8
Mariner IV	27,166,379	1.9						
Almanac Realty Securities VI	3,336,771	0.2						
Almanac Realty Securities VII	17,392,957	1.2						
JP Morgan India Property Fund II	6,940,110	0.5						
Mariner III	641,335	0.0						
UBS Trumbull	10,884,116	0.8						
PRIME Property Fund LLC	4,362,323	0.3						
Kayne Anderson RE Prtnrs VI	2,551,036	0.2						
PRISA LP	15,000,927	1.1						
Clarion Lion Properties Fund	19,749,966	1.4						
Almanac Realty Securities IX	584,602	0.0						
Real Estate Cash	1,126,658	0.1						



# **OSERS – Private Market Manager IRR Summary**

## As of September 30, 2022

<b>Private</b>	<b>Equit</b>	ty Po	rtfolio

	Vintage	Total		Inception	
Investment	Year	Commitments	Quarter		
Hamilton Lane/SPC	2001	\$163,958,323	-5.60%	6.65%	
FCP Fund II	2011	30,000,000	0.71%	13.94%	
Stonetree IV	2012	53,152,755	-2.32%	6.82%	
AAVIN Mezzanine Fund, LP	2014	5,000,000	-0.12%	20.31%	
AAVIN Equity Partners II, LP	2015	25,000,000	-0.88%	15.52%	
Total Private Equity Portfolio		\$277,111,078	-3.36%	7.86%	

#### **Real Assets Portfolio**

	Vintage	Total		
Investment	Year	Commitments	Quarter	Inception
BTG Pactual Timberland	2004	\$25,000,000	-0.18%	1.20%
JP Morgan Maritime Global	2010	25,000,000	-1.09%	2.92%
Total Real Assets Portfolio		\$50,000,000	-1.09%	1.80%

#### **Real Estate Portfolio**

	Vintage	Total		
Investment	Year	Commitments	Quarter	Inception
UBS Trumbull Property Fund	1995	\$33,614,492	-0.16%	10.40%
Almanac Realty Securities VI	2011	25,000,000	-0.12%	8.84%
Mariner Real Estate Partners III	2011	50,000,000	-0.11%	7.60%
JP Morgan India Fund II	2012	25,000,000	-2.07%	-12.07%
Mariner Real Estate Partners IV	2014	60,000,000	-6.09%	14.37%
Almanac Realty Securities VII	2015	30,000,000	-3.11%	11.74%
Prime Property Fund	2021	33,614,492	-0.06%	10.91%
Kayne Anderson Real Estate Partners VI	2021	10,000,000	5.00%	3.54%
PRISA LP	2021	15,000,000	-0.06%	10.71%
Lion Properties Fund	2022	17,602,260	0.43%	13.11%
Almanac Realty Securities IX, L.P.	2022	5,000,000	-5.10%	-19.84%
Landmark Real Estate Partners IX, L.P.	2022	10,000,000	N/M	N/M
Total Real Estate Portfolio		\$314,831,244	-2.26%	8.44%

<sup>\*</sup>Total Commitments include commitments to Real Estate funds that have already wound down.



<sup>&</sup>lt;sup>1</sup>SPC is currently being wound down by Hamilton Lane

As of December 31, 2022

	Performance %											
	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013		
OSERS	-11.4 (51)	17.8 (17)	9.4 (74)	13.8 (92)	-2.4 (25)	13.5 (84)	1.3 (100)	-2.5 (94)	3.0 (97)	14.5 (63)		
Policy Index	-12.1 (60)	15.8 (44)	12.9 (26)	16.4 (62)	-0.4 (8)	13.7 (83)	7.1 (74)	-1.7 (82)	7.1 (18)	15.1 (56)		
U.S. Equity Composite	-18.4 (-)	26.6 (-)	20.4 (-)	30.3 (-)	-5.5 (-)	20.5 (-)	7.2 (-)	-3.2 (-)	5.7 (-)	36.2 (-)		
Custom U.S. Equity Benchmark	-19.5 (-)	<i>25.7 (-)</i>	20.8 (-)	30.9 (-)	<i>-5.3 (-)</i>	18.0 (-)	18.5 (-)	-3.5 (-)	7.2 (-)	<i>36.3 (-)</i>		
BlackRock Russell 1000 Index	-19.0 (61)	26.5 (50)	21.1 (35)	31.3 (37)	-4.7 (44)	-	-	-	-	-		
Russell 1000 Index	-19.1 (62)	26.5 (50)	21.0 (36)	31.4 (35)	-4.8 (44)	-	-	-	-	-		
Dimensional Fund Advisors	-13.2 (19)	28.0 (26)	11.5 (74)	21.6 (75)	-12.3 (68)	-	-	-	-	-		
Russell 2000 Index*	-20.4 (76)	14.8 (85)	20.0 (37)	<i>25.5 (49)</i>	-11.0 (56)	-	-	-	-	-		
Global Equity Composite	-12.5 (34)	19.6 (35)	15.1 (51)	25.5 (59)	-9.9 (55)	23.1 (53)	7.0 (43)	1.9 (29)	3.6 (51)	21.7 (70)		
Custom Global Equity Benchmark	-18.4 (54)	18.2 (48)	16.3 (47)	26.4 (52)	-10.1 (56)	24.1 (46)	7.9 (36)	-2.4 (64)	4.2 (46)	22.8 (66)		
Arrowstreet	-12.1 (33)	20.1 (31)	21.8 (29)	22.4 (74)	-6.9 (31)	-	-	-	-	-		
MSCI AC World IMI (Net)	-18.4 (54)	18.2 (48)	16.3 (47)	26.4 (52)	-10.1 (56)	-	-	-	-	-		
MFS	-17.2 (49)	17.6 (53)	14.2 (54)	31.2 (22)	-9.3 (49)	-	-	-	-	-		
MSCI All Country World IMI*	-18.4 (54)	18.2 (48)	16.3 (47)	26.4 (52)	-10.1 (56)	-	-	-	-	-		
Wellington Equity	-14.4 (30)	20.2 (55)	14.1 (64)	22.8 (65)	-13.9 (37)	-	-	-	-	-		
MSCI AC World Small Cap (Net)	-18.7 (33)	16.1 (81)	16.3 (55)	24.7 (62)	-14.4 (44)	-	-	-	-	-		
Dodge & Cox	-6.0	21.2	5.9	23.9	-12.8	-	-	-	-	-		
MSCI AC World IMI (Net)	-18.4	18.2	16.3	26.4	-10.1	-	-	-	-	-		
International Equity Composite	-16.4 (43)	8.7 (64)	11.3 (51)	21.2 (63)	-14.5 (43)				-	-		
MSCI AC World ex USA IMI (Net)	-16.6 (44)	8.5 (65)	11.1 (52)	21.6 (60)	-14.8 (45)	-	-	-	-	-		
BlackRock ACWI ex-U.S. IMI	-16.4	8.7	11.3	21.9	-14.5	-	-	-	-	-		
MSCI AC World ex USA IMI (Net)	-16.6	8.5	11.1	21.6	-14.8	-	-	-	-	-		

Fiscal Year ends August 31.



As of December 31, 2022

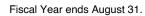
	Performance %									
	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Total Fixed Income	-12.8 (-)	-1.1 (-)	8.4 (-)	9.5 (-)	-0.2 (-)	4.4 (-)	-16.3 (-)	2.1 (-)	-1.0 (-)	5.7 (-)
Custom Fixed Income Index	<i>-12.9 (-)</i>	-1.1 (-)	7.6 (-)	9.3 (-)	-0.3 (-)	3.8 (-)	2.6 (-)	0.5 (-)	6.0 (-)	-2.0 (-)
Total Core Fixed Income										
Blmbg. U.S. Aggregate	-	-	-	-	-	-	-	-	-	-
BlackRock Aggregate Bond Index	-13.0 (37)	-1.6 (59)	7.7 (62)	8.8 (60)	0.1 (29)	-	-	-	-	-
Blmbg. Barc. Aggregate Bond Index	-13.0 <i>(</i> 36 <i>)</i>	<i>-1.5 (57)</i>	7.5 (68)	8.7 (66)	0.0 (33)	-	-	-	-	-
BlackRock Core Plus Universal	-13.8 (68)	-1.1 (75)	8.2 (63)	9.5 (54)	-0.5 (44)	-	-	-	-	-
DB/CBB Custom RS FI Benchmark	-12.1 (20)	-1.1 (75)	7.6 (80)	9.3 (59)	-0.3 (31)	-	-	-	-	-
PIMCO	-13.9 (71)	-0.4 (42)	9.4 (30)	10.0 (40)	-0.3 (32)	-	-	-	-	-
Blmbg. Barc. Universal Bond Index	<i>-13.0 (42)</i>	-1.1 (75)	7.6 (80)	9.3 (59)	-0.3 (31)	-	-	-	-	-
Baird	-	-	-	-	-	-	-	-	-	-
Blmbg. U.S. Aggregate	-	-	-	-	-	-	-	-	-	-
OSERS Contributions & Withdrawals										
Total Return Seeking Fixed Income										
DB/CBB Custom RS FI Benchmark	-	-	-	-	-	-	-	-	-	-
Loomis Sayles	-	-	-	-	-	-	-	-	-	-
Blmbg. Barc. Universal Bond Index*	-	-	-	-	-	-	-	-	-	-
PIMCO DIV INC	-	-	-	-	-	-	-	-	-	-
PIMCO DIV INC Custom Benchmark	-	-	-	-	-	-	-	-	-	-
Barings	-	-	-	-	-	-	-	-	-	-
Barings Primary Benchmark	-	-	-	-	-	-	-	-	-	-
Neuberger Berman Core Plus										
Hedge Fund Composite	0.0	0.0	1.3	-6.9	-9.7	5.9	-6.3	-8.2	-3.7	9.7
HFRI RV: Multi-Strategy Index	-0.7	7.0	6.7	5.3	-0.2	4.1	6.4	0.7	3.4	7.9
Vaquero EMD	0.0	0.0	1.3	-7.1	-16.2	-2.7	10.5	-16.5	-22.4	2.5
Blmbg. Emerging Markets USD Aggregate Index	-15.3	-1.7	6.5	13.1	-2.5	8.2	9.9	1.3	4.8	-4.1
Hedge Fund Cash										

Fiscal Year ends August 31.



		Performance %								
	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Real Asset Composite	20.6	111.4	-18.8	-14.1	0.7	8.0	8.8	-20.9	9.3	24.8
Custom Real Asset Benchmark	8.3	21.3	10.1	4.4	8.8	9.7	18.3	-32.6	4.8	27.6
BTG										
JP Morgan Global Maritime										

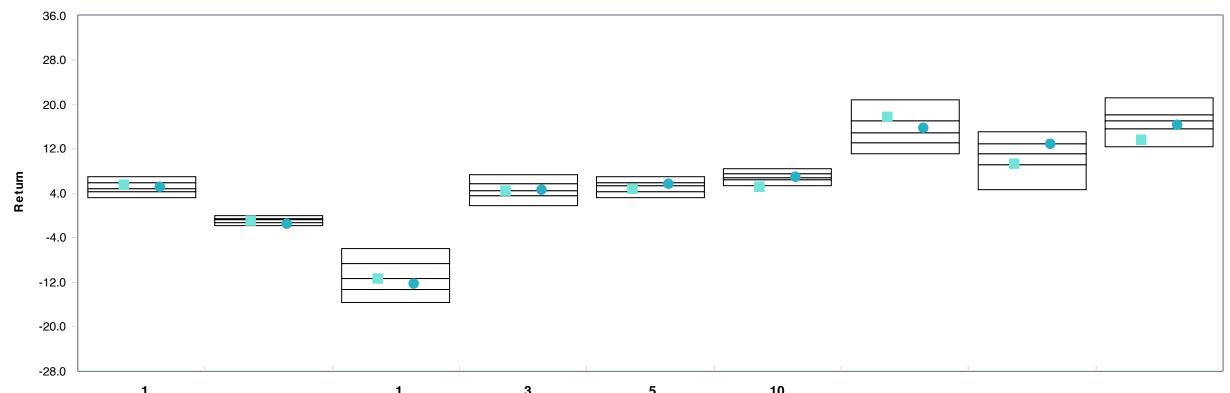
					Darfori	mance %				
	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Private Equity Composite	0.4	60.8	-0.8	5.7	12.1	15.3	2.8	3.8	-0.5	6.7
Burgiss All US PE (1-Qtr Lag)	0.3	44.7	17.1	10.1	18.8	14.6	8.5	10.6	18.9	17.3
AAVIN Mezzanine Credit Funds										
FCP Capital										
SPC Capital										
Stonetree Capital										
Private Equity Cash										
Real Estate Composite	6.2	14.8	-6.4	-0.2	2.7	7.6	3.0	7.6	12.5	11.7
NCREIF Property Index	5.5	17.7	1.6	6.4	6.7	7.0	8.0	13.3	11.8	11.0
25 Capital Residential Mortgage Opp. Fund										
Mariner IV										
Almanac Realty Securities VI										
Almanac Realty Securities VII										
JPM Strategic										
JP Morgan India Property Fund II										
Mariner III										
UBS Trumbull										
PRIME Property Fund LLC										
Kayne Anderson RE Prtnrs VI										
Clarion Lion Properties Fund										
PRISA LP										
Almanac Realty Securities IX										
Real Estate Cash										





## **Total Fund Composite**

As of December 31, 2022

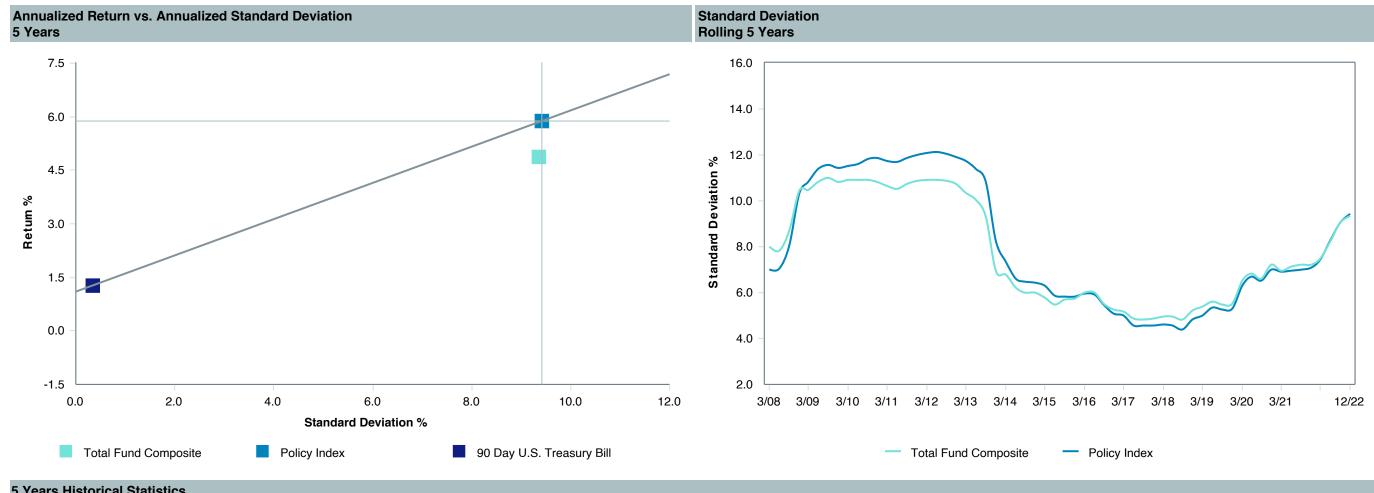


	1 Quarter	FYTD	1 Year	3 Years	5 Years	10 Years	2021	2020	2019
■ Total Fund Composite	5.6 (35)	-0.9 (62)	-11.4 (51)	4.5 (50)	4.9 (62)	5.3 (97)	17.8 (17)	9.4 (74)	13.8 (92)
<ul><li>Policy Index</li></ul>	5.3 (42)	-1.4 (78)	-12.1 (60)	4.7 (45)	5.9 (32)	7.0 (46)	15.8 (44)	12.9 (26)	16.4 (62)
5th Percentile	7.1	0.0	-5.9	7.4	7.0	8.6	21.0	15.2	21.2
1st Quartile	6.0	-0.4	-8.5	5.8	6.1	7.6	17.2	12.9	18.2
Median	5.0	-0.7	-11.3	4.5	5.4	6.9	15.0	11.3	17.0
3rd Quartile	4.4	-1.3	-13.3	3.7	4.4	6.5	13.2	9.2	15.6
95th Percentile	3.3	-1.8	-15.6	1.8	3.3	5.4	11.2	4.8	12.4
Population	68	68	63	58	55	51	134	158	154

Parentheses contain percentile rankings.



#### **Risk Profile Total Fund Composite**



5 Years Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
Total Fund Composite	-0.96	1.89	-0.51	0.96	0.42	-0.80	0.97	4.88	9.37	0.98
Policy Index	0.00	0.00	-	1.00	0.52	0.00	1.00	5.89	9.42	1.00
90 Day U.S. Treasury Bill	-4.92	9.50	-0.52	0.05	-	1.31	-0.01	1.26	0.34	-0.21



## **Asset Class Performance**



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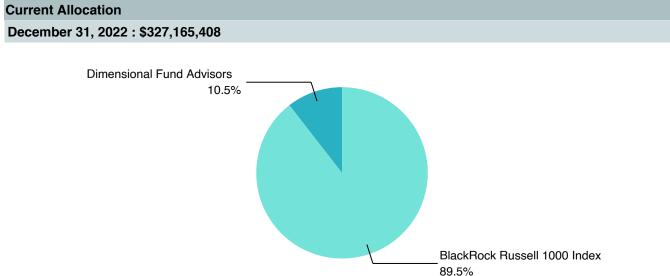


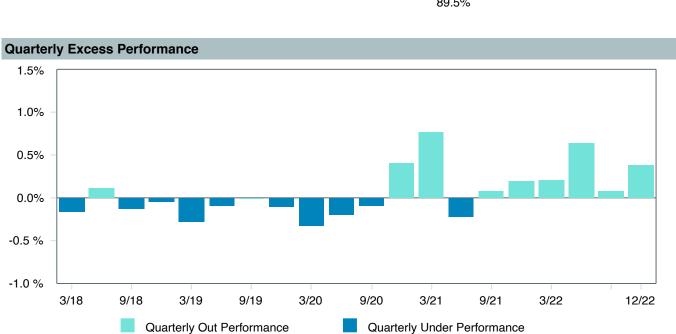
## **U.S. Equity Performance**

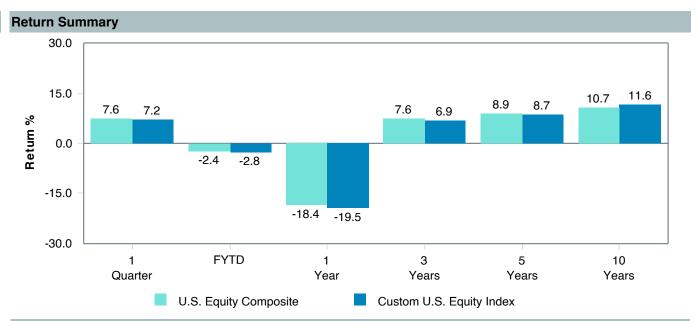


## Composite Portfolio Overview U.S. Equity Composite

As of December 31, 2022





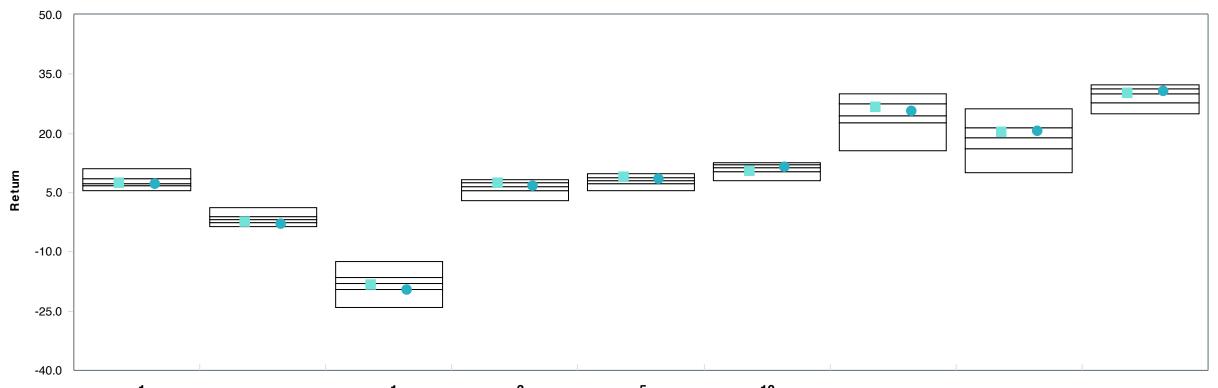






# **U.S. Equity Composite**

As of December 31, 2022

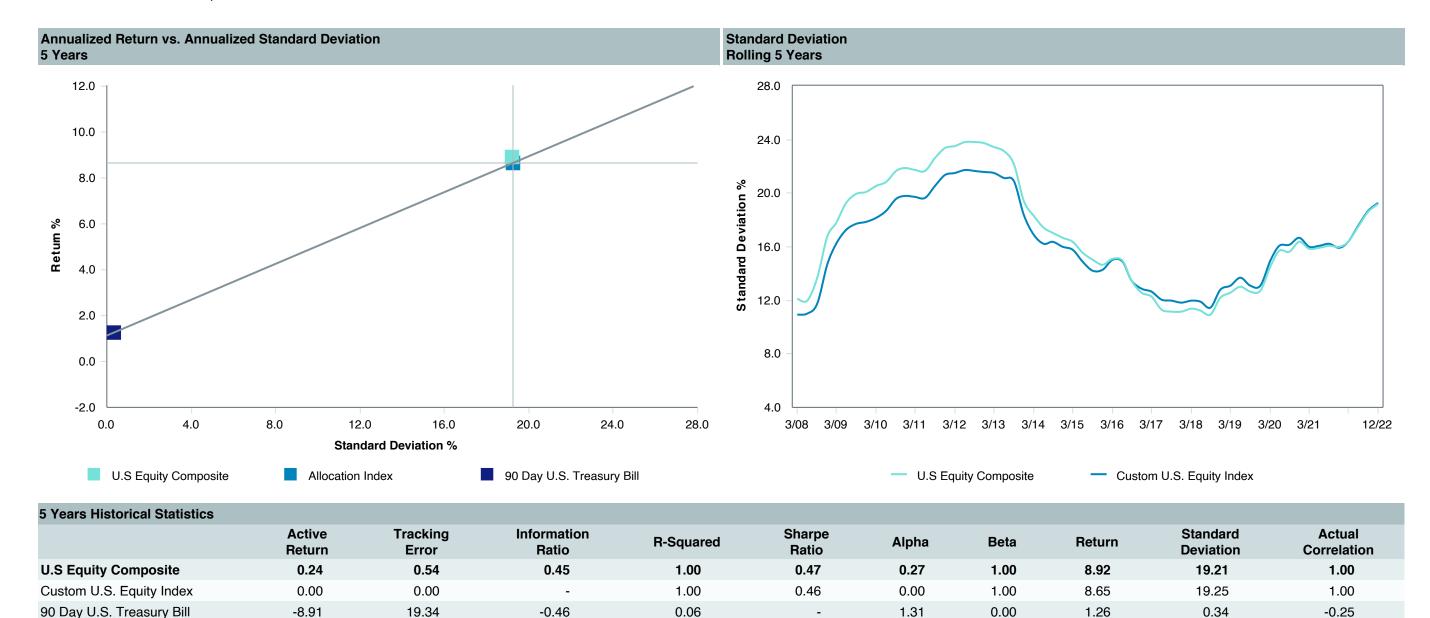


	1 Quarter	FYTD	1 Year	3 Years	5 Years	10 Years	2021	2020	2019
■ U.S. Equity Composite	7.6 (44)	-2.4 (63)	-18.4 (58)	7.6 (26)	8.9 (21)	10.7 (71)	26.6 (28)	20.4 (33)	30.3 (40)
Custom U.S. Equity Index	7.2 (65)	-2.8 (77)	-19.5 (75)	6.9 (44)	8.7 (29)	11.6 (46)	25.7 (38)	20.8 (30)	30.9 (29)
5th Percentile	11.1	1.3	-12.6	8.3	9.7	12.6	30.0	26.4	32.2
1st Quartile	8.7	-1.0	-16.4	7.6	8.7	12.0	27.5	21.5	31.2
Median	7.4	-1.7	-17.9	6.5	8.1	11.4	24.3	18.9	30.1
3rd Quartile	6.9	-2.7	-19.6	5.4	7.2	10.4	22.6	16.1	27.7
95th Percentile	5.4	-3.7	-24.1	2.9	5.4	8.0	15.7	10.0	25.0
Population	54	54	52	46	44	34	56	55	52



## **Risk Profile U.S Equity Composite**

As of December 31, 2022





# Manager Performance Summary BlackRock Russell 1000 Index

As of December 31, 2022

#### **Account Information**

Account Name: BlackRock Russell 1000 Index

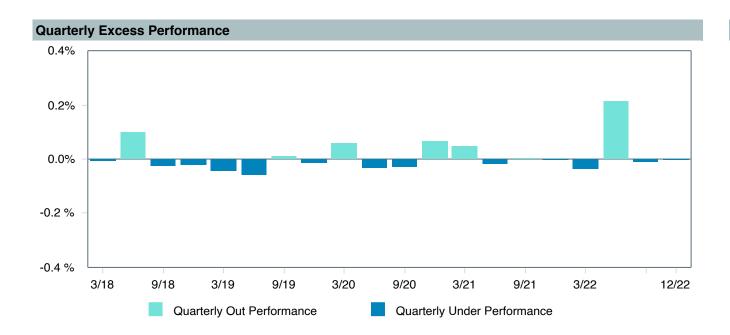
Inception Date: 03/01/2017

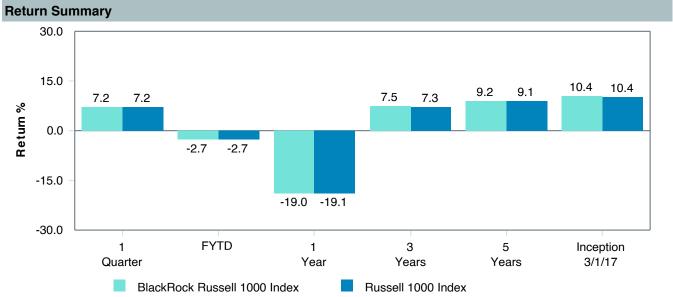
Account Structure: Commingled Fund

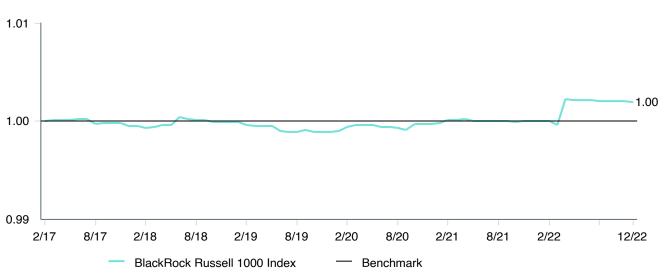
Asset Class: US Equity

Benchmark: Russell 1000 Index

Peer Group: IM U.S. Large Cap Equity (SA+CF)



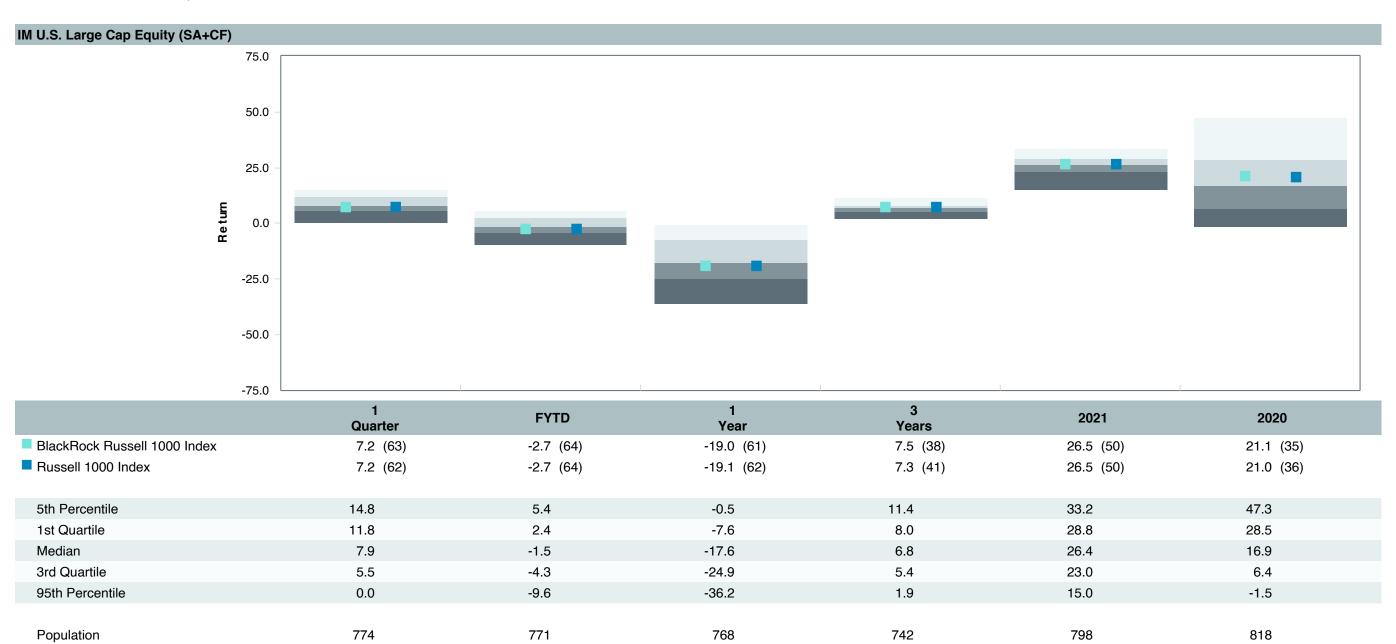






#### BlackRock Russell 1000 Index

As of December 31, 2022





# **Manager Performance Summary Dimensional Fund Advisors**

As of December 31, 2022

#### **Account Information**

Account Name: Dimensional Fund Advisors

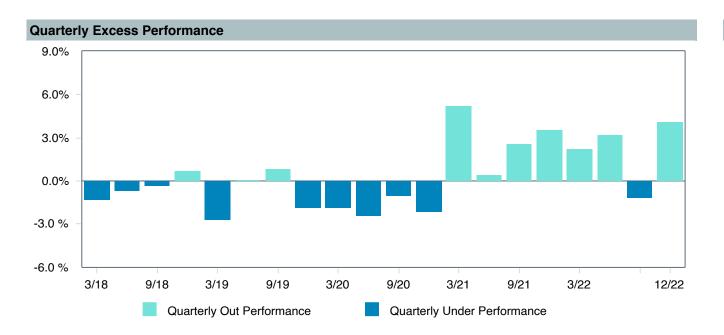
Inception Date: 12/01/2017

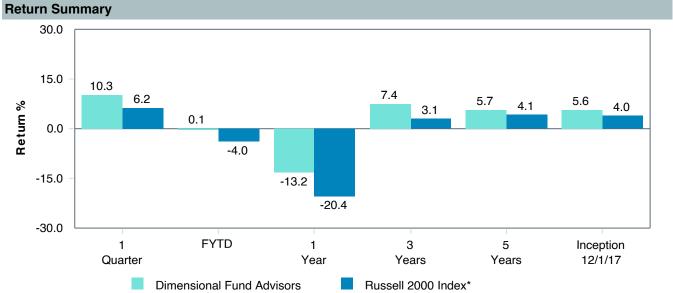
Account Structure: Commingled Fund

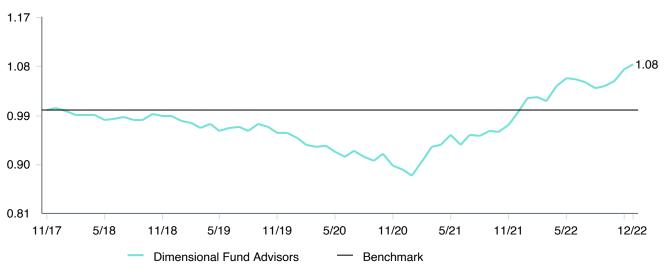
Asset Class: US Equity

Benchmark: Russell 2000 Index\*

Peer Group: IM U.S. Small Cap Core Equity (SA+CF)









#### **Dimensional Fund Advisors**

As of December 31, 2022





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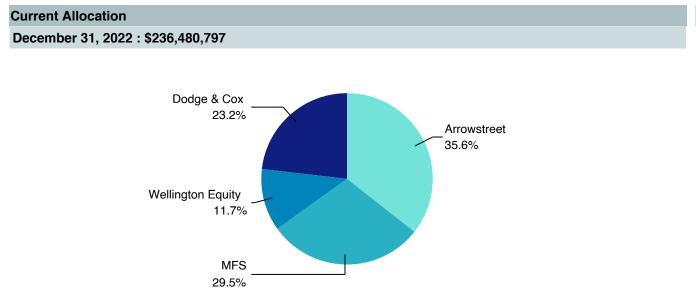


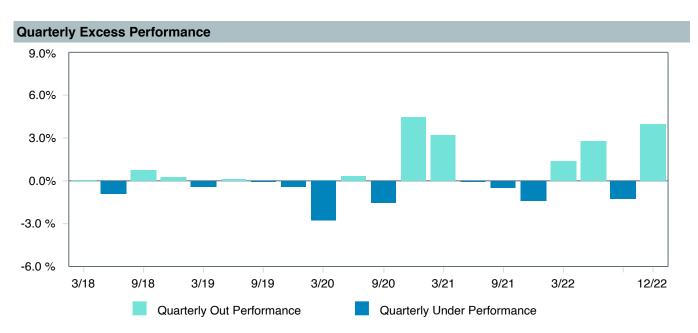
## **Global Equity Performance**

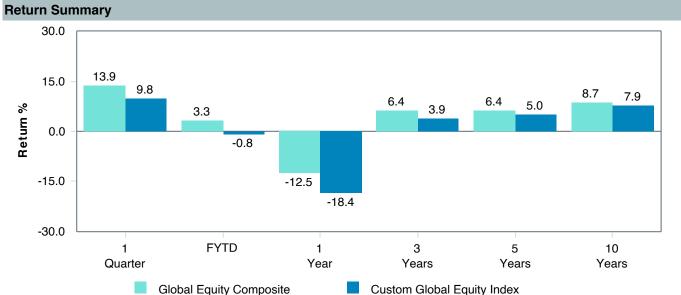


## **Composite Portfolio Overview Global Equity Composite**

As of December 31, 2022





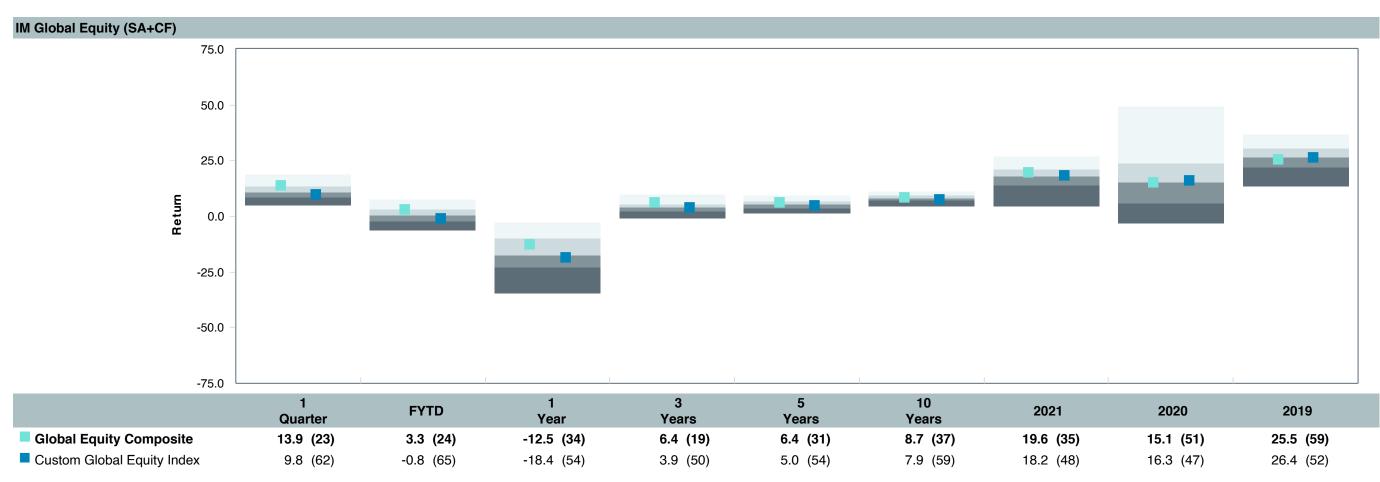






# **Global Equity Composite**

As of December 31, 2022

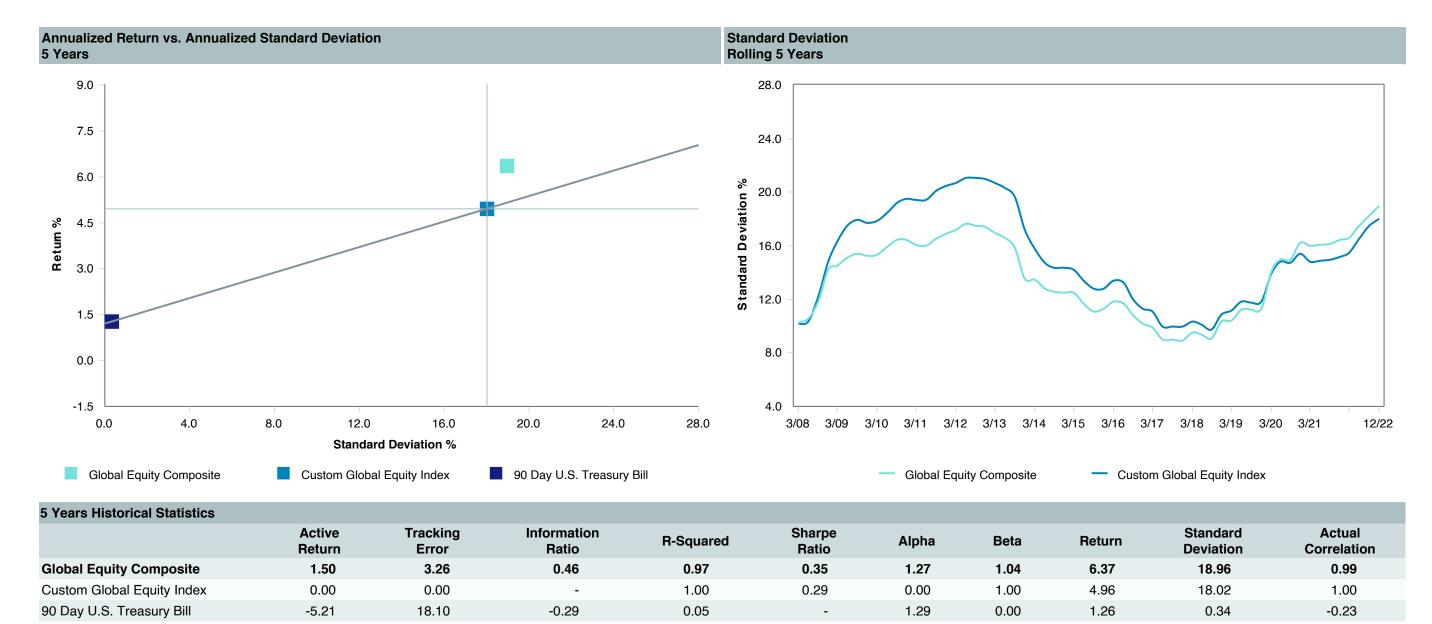


	1 Quarter	FYTD	1 Year	3 Years	5 Years	10 Years	2021	2020	2019
Global Equity Composite	13.9 (23)	3.3 (24)	-12.5 (34)	6.4 (19)	6.4 (31)	8.7 (37)	19.6 (35)	15.1 (51)	25.5 (59)
Custom Global Equity Index	9.8 (62)	-0.8 (65)	-18.4 (54)	3.9 (50)	5.0 (54)	7.9 (59)	18.2 (48)	16.3 (47)	26.4 (52)
5th Percentile	18.8	7.8	<b>-</b> 2.7	10.0	9.4	11.4	26.7	49.2	36.8
1st Quartile	13.6	3.1	-9.8	5.5	6.7	9.3	21.0	24.0	30.5
Median	10.6	0.4	-17.5	3.9	5.2	8.1	17.9	15.3	26.5
3rd Quartile	8.5	-2.2	-23.1	2.1	3.6	7.1	14.0	6.0	22.2
95th Percentile	4.7	-6.5	-34.6	-1.0	1.5	4.7	4.6	-2.9	13.4
Population	448	443	439	408	376	271	450	468	481



## **Risk Profile Global Equity Composite**

As of December 31, 2022





## **Manager Performance Summary Arrowstreet**

As of December 31, 2022

#### **Account Information**

Account Name: Arrowstreet

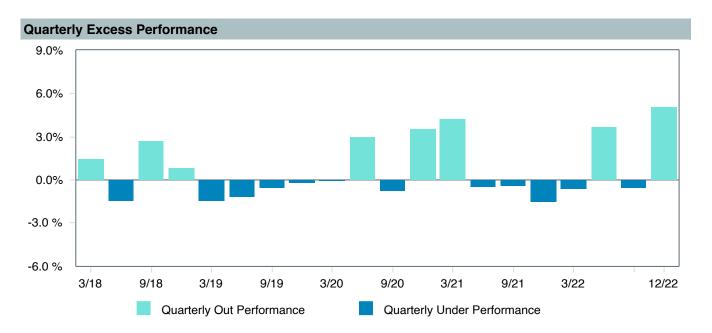
Inception Date: 04/01/2017

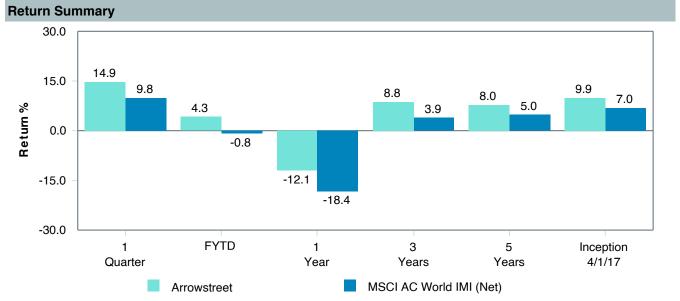
Account Structure: Separate Account

Asset Class: Global Equity

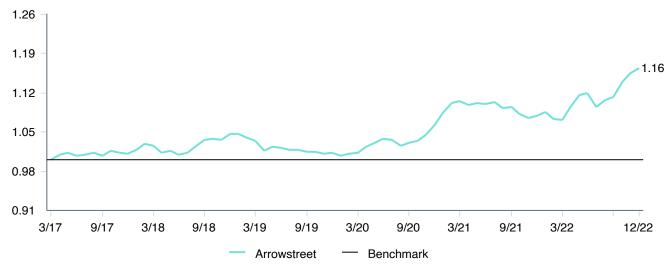
Benchmark: MSCI AC World IMI (Net)

Peer Group: IM Global Equity (SA+CF)





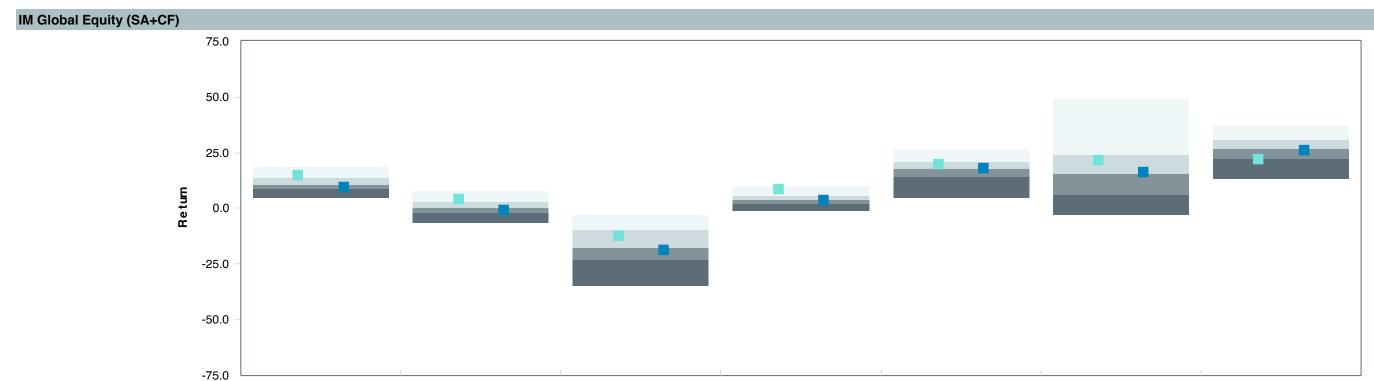






#### **Arrowstreet**

As of December 31, 2022



	1 Quarter	FYTD	1 Year	3 Years	2021	2020	2019
Arrowstreet	14.9 (16)	4.3 (16)	-12.1 (33)	8.8 (8)	20.1 (31)	21.8 (29)	22.4 (74)
MSCI AC World IMI (Net)	9.8 (62)	-0.8 (65)	-18.4 (54)	3.9 (50)	18.2 (48)	16.3 (47)	26.4 (52)
5th Percentile	18.8	7.8	-2.7	10.0	26.7	49.2	36.8
1st Quartile	13.6	3.1	-9.8	5.5	21.0	24.0	30.5
Median	10.6	0.4	-17.5	3.9	17.9	15.3	26.5
3rd Quartile	8.5	-2.2	-23.1	2.1	14.0	6.0	22.2
95th Percentile	4.7	-6.5	-34.6	-1.0	4.6	-2.9	13.4
Population	448	443	439	408	450	468	481



## **Manager Performance Summary MFS**

As of December 31, 2022

#### **Account Information**

Account Name: MFS

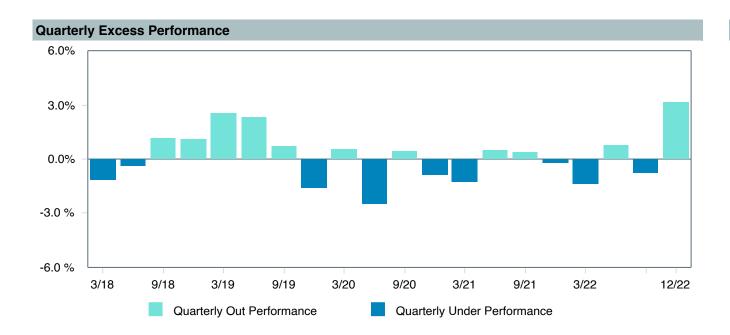
Inception Date: 04/01/2017

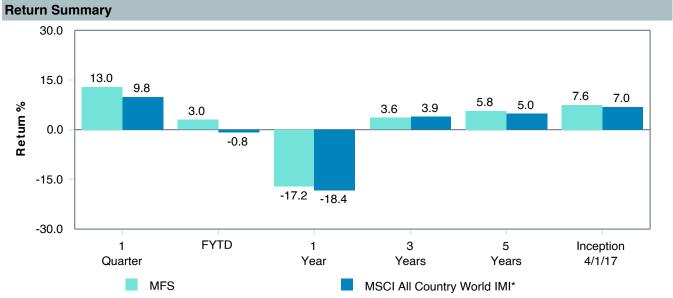
Account Structure: Separate Account

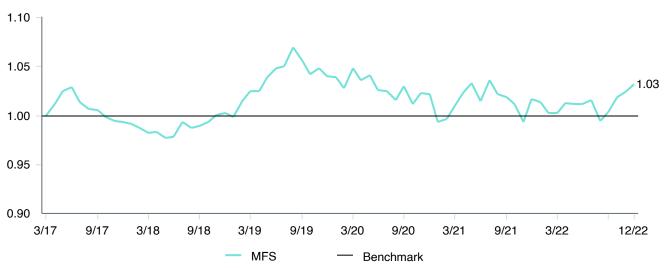
Asset Class: Global Equity

Benchmark: MSCI All Country World IMI\*

Peer Group: IM Global Equity (SA+CF)









## **MFS**

As of December 31, 2022

# M Global Equity (SA+CF) 50.0 25.0 -25.0 -75.0

	1 Quarter	FYTD	1 Year	3 Years	2021	2020	2019
■ MFS	13.0 (30)	3.0 (27)	-17.2 (49)	3.6 (55)	17.6 (53)	14.2 (54)	31.2 (22)
■ MSCI All Country World IMI*	9.8 (62)	-0.8 (65)	-18.4 (54)	3.9 (50)	18.2 (48)	16.3 (47)	26.4 (52)
5th Percentile	18.8	7.8	-2.7	10.0	26.7	49.2	36.8
1st Quartile	13.6	3.1	-9.8	5.5	21.0	24.0	30.5
Median	10.6	0.4	-17.5	3.9	17.9	15.3	26.5
3rd Quartile	8.5	-2.2	-23.1	2.1	14.0	6.0	22.2
95th Percentile	4.7	-6.5	-34.6	-1.0	4.6	-2.9	13.4
Population	448	443	439	408	450	468	481



## Manager Performance Summary Wellington Equity

As of December 31, 2022

#### **Account Information**

Account Name: Wellington Equity

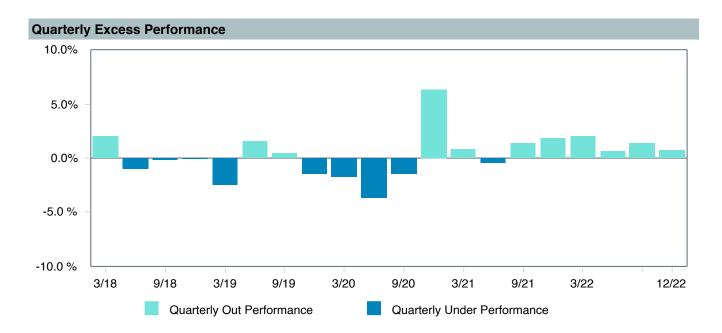
Inception Date: 04/01/2017

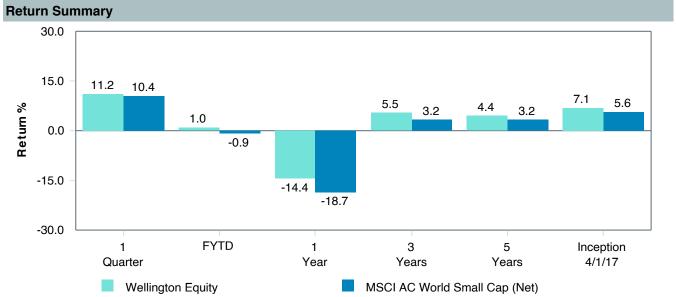
Account Structure: Separate Account

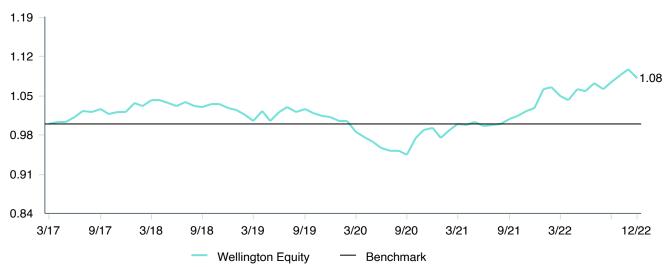
Asset Class: Global Equity

Benchmark: MSCI AC World Small Cap (Net)

Peer Group: IM Global Small Cap Equity (SA+CF)



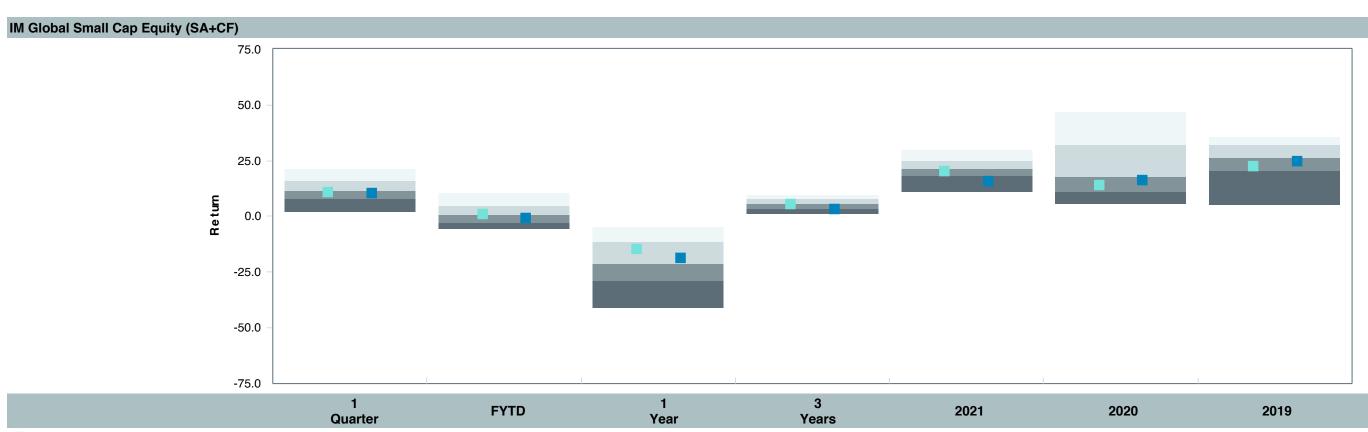






# **Wellington Equity**

As of December 31, 2022



	1 Quarter	FYTD	1 Year	3 Years	2021	2020	2019
Wellington Equity	11.2 (52)	1.0 (48)	-14.4 (32)	5.5 (51)	20.2 (54)	14.1 (57)	22.8 (69)
MSCI AC World Small Cap (Net)	10.4 (65)	-0.9 (66)	-18.7 (35)	3.2 (80)	16.1 (85)	16.3 (52)	24.7 (66)
5th Percentile	21.5	10.4	-4.5	9.8	29.9	46.7	35.6
1st Quartile	15.9	4.5	-11.5	7.8	24.9	32.1	31.9
Median	11.5	0.6	-21.4	5.5	21.1	17.5	26.4
3rd Quartile	8.0	-2.9	-29.0	3.2	18.2	11.1	20.5
95th Percentile	2.0	-5.7	-40.9	1.0	10.9	5.7	5.3
Population	24	24	24	20	26	28	29



## **Manager Performance Summary Dodge & Cox**

As of December 31, 2022

#### **Account Information**

Account Name: Dodge & Cox

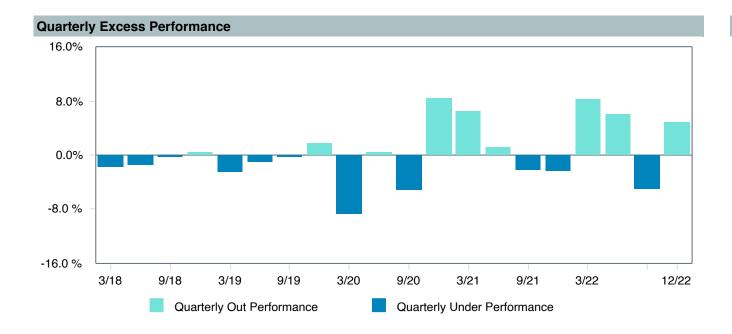
Inception Date: 07/01/2017

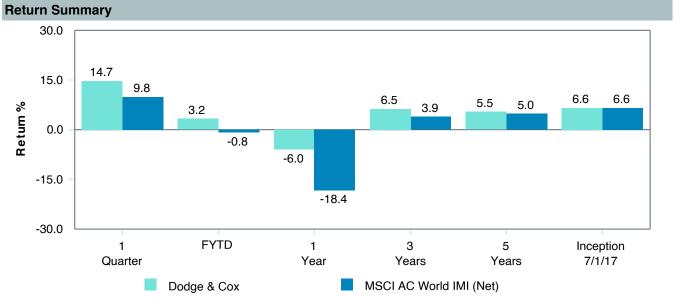
Account Structure: Mutual Fund

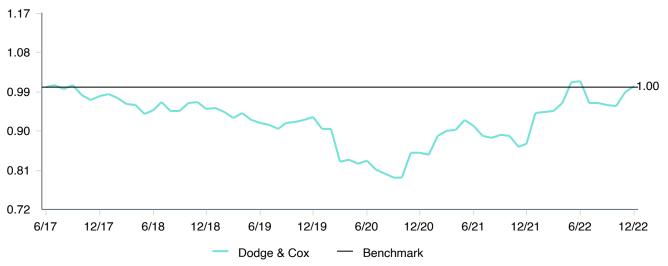
Asset Class: Global Equity

Benchmark: MSCI AC World IMI (Net)

Peer Group: IM Global Equity (MF)



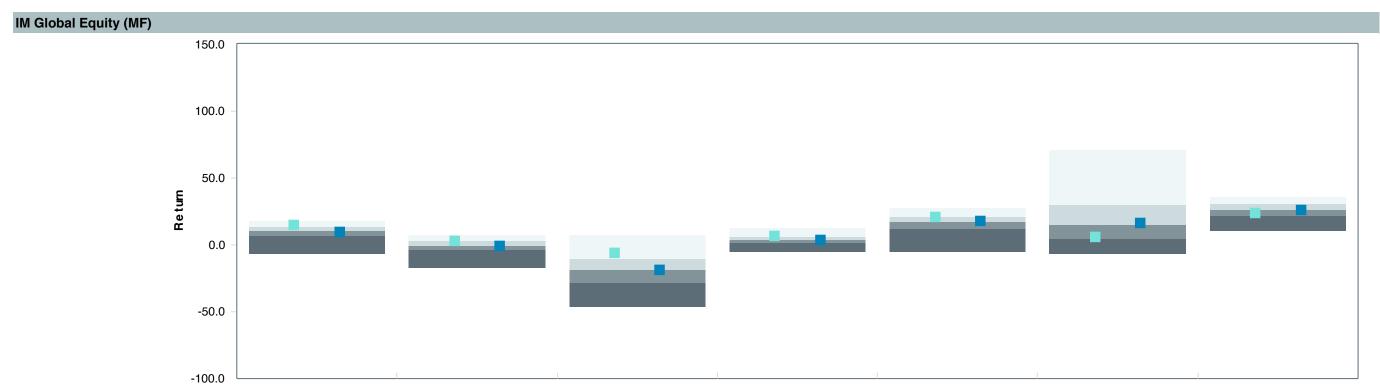






# Dodge & Cox

As of December 31, 2022



100.0							
	1 Quarter	FYTD	1 Year	3 Years	2021	2020	2019
Dodge & Cox	14.7 (15)	3.2 (23)	-6.0 (16)	6.5 (20)	21.2 (23)	5.9 (73)	23.9 (64)
MSCI AC World IMI (Net)	9.8 (57)	-0.8 (54)	-18.4 (50)	3.9 (48)	18.2 (44)	16.3 (45)	26.4 (49)
5th Percentile	18.0	7.8	7.4	12.4	27.8	71.1	36.1
1st Quartile	13.1	2.8	-10.1	5.7	20.8	30.0	30.2
Median	10.4	-0.4	-18.6	3.7	17.2	14.9	26.2
3rd Quartile	7.0	-4.1	-28.7	1.3	11.6	4.2	21.3
95th Percentile	-6.4	-17.3	-46.6	-4.9	-5.3	-7.0	10.3
Population	547	547	507	395	443	401	363

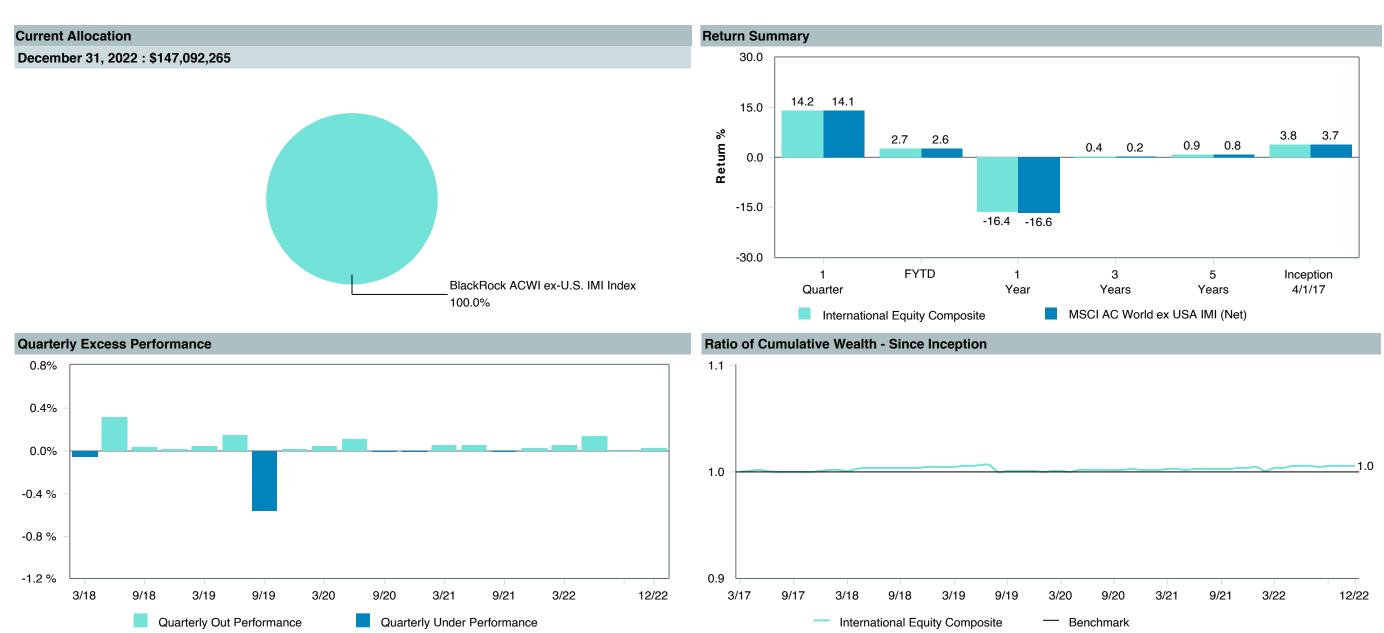


**International Equity Performance** 



## **Composite Portfolio Overview International Equity Composite**

As of December 31, 2022





## Manager Performance Summary BlackRock ACWI ex-U.S. IMI Index

As of December 31, 2022

#### **Account Information**

Account Name: BlackRock ACWI ex-U.S. IMI Index

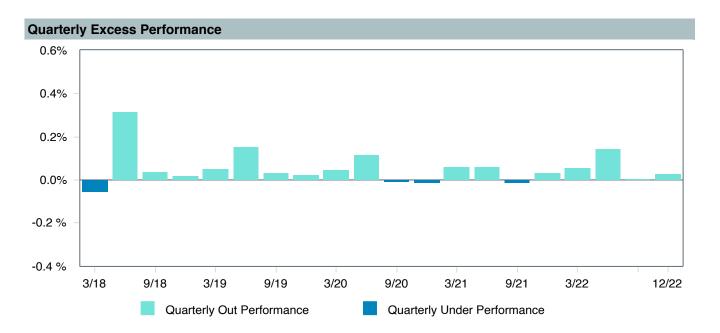
Inception Date: 12/01/2017

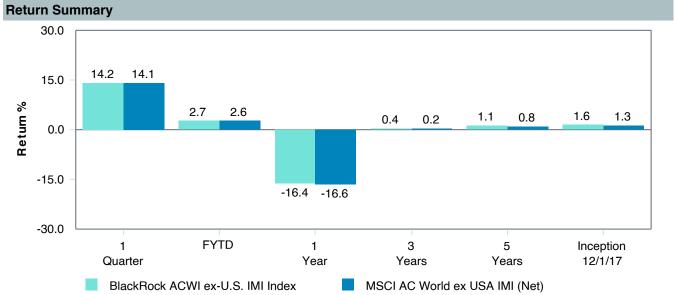
Account Structure: Commingled Fund

Asset Class: International Equity

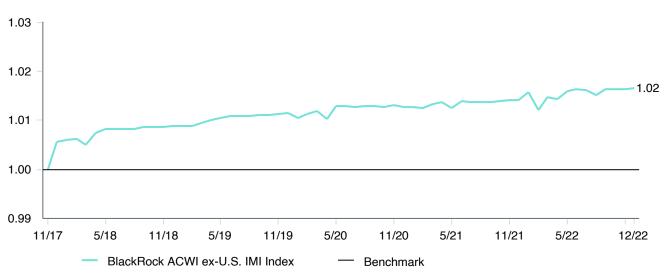
Benchmark: MSCI AC World ex USA IMI (Net)

Peer Group:









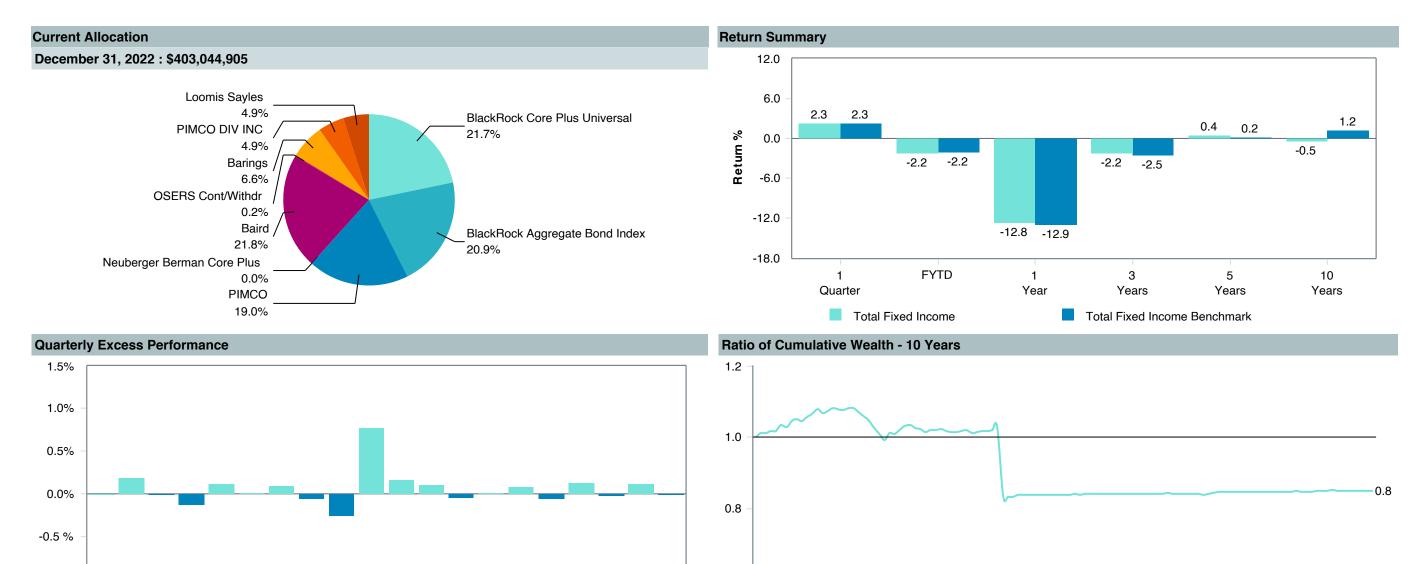


## **Fixed Income Performance**



## **Composite Portfolio Overview Total Fixed Income**

As of December 31, 2022



0.6

12/12

9/13

6/14

3/15

12/15

**Total Fixed Income** 

12/18

— Benchmark

3/21

12/21

12/22



-1.0 %

3/18

9/18

Quarterly Out Performance

3/20

9/20

3/21

Quarterly Under Performance

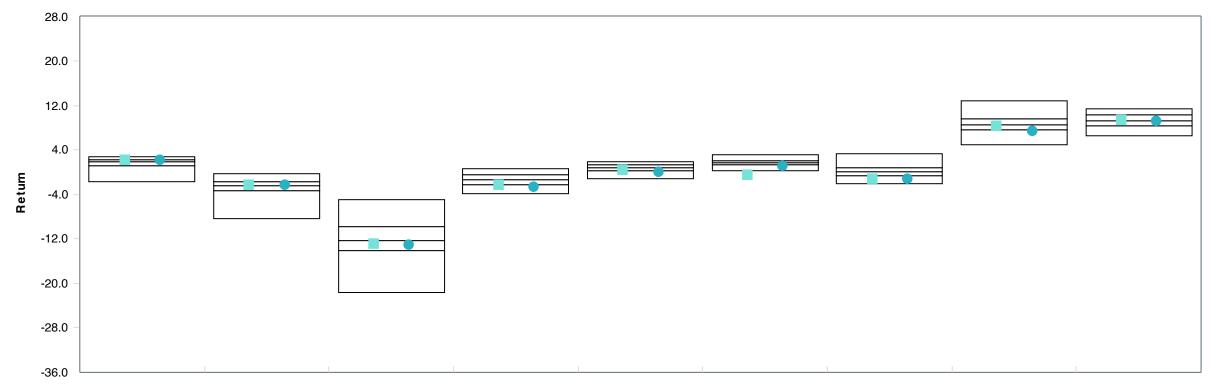
9/21

3/22

12/22

#### **Total Fixed Income**

As of December 31, 2022

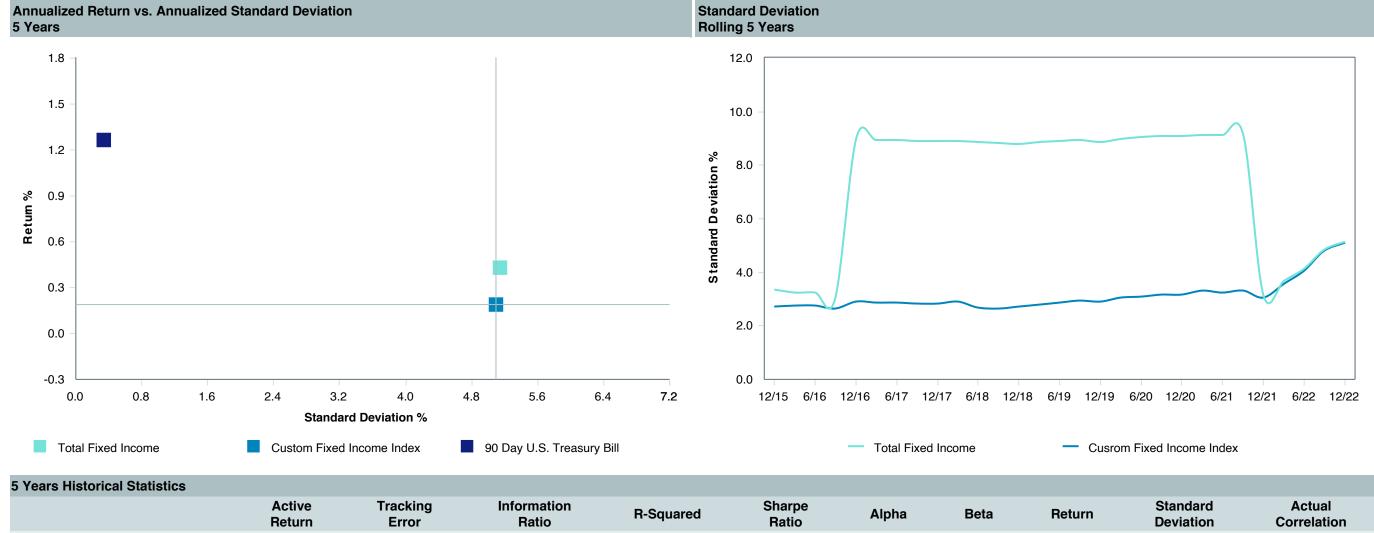


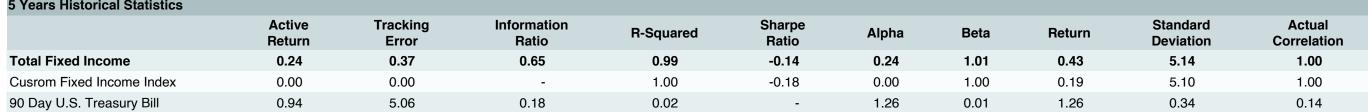
	1 Quarter	FYTD	1 Year	3 Years	5 Years	10 Years	2021	2020	2019
■ Total Fixed Income	2.3 (27)	-2.2 (47)	-12.8 (61)	-2.2 (75)	0.4 (74)	-0.5 (98)	-1.1 (87)	8.4 (58)	9.5 (42)
Custom Fixed Income Index	2.3 (27)	-2.2 (45)	-12.9 (67)	-2.5 (83)	0.2 (83)	1.2 (90)	-1.1 (87)	7.6 (76)	9.3 (51)
5th Percentile	2.8	-0.3	-4.9	0.6	2.0	3.1	3.3	12.9	11.4
1st Quartile	2.3	-1.6	-9.8	-0.4	1.3	2.0	0.8	9.7	10.3
Median	1.9	-2.3	-12.3	-1.4	0.9	1.7	0.1	8.6	9.3
3rd Quartile	1.2	-3.3	-14.1	-2.2	0.4	1.4	-0.6	7.7	8.4
95th Percentile	-1.6	-8.2	-21.7	-3.9	-1.0	0.3	-2.0	4.9	6.5
Population	57	57	57	49	47	39	58	59	53



#### **Risk Profile Total Fixed Income**

As of December 31, 2022







## Manager Performance Summary BlackRock Aggregate Bond Index

As of December 31, 2022

#### **Account Information**

Account Name: BlackRock Aggregate Bond Index

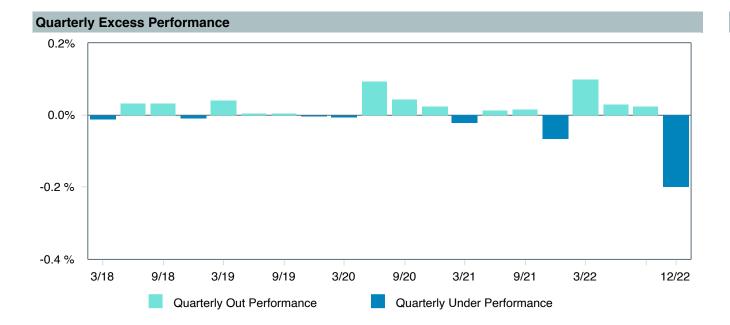
Inception Date: 04/01/2017

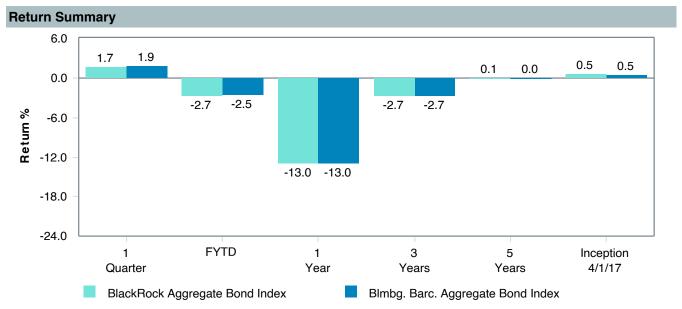
Account Structure: Commingled Fund

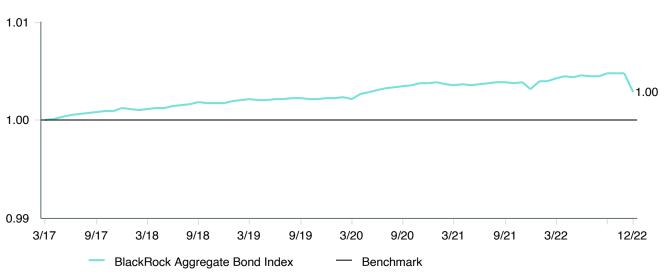
Asset Class: US Fixed Income

Benchmark: Blmbg. Barc. Aggregate Bond Index

Peer Group: IM U.S. Broad Market Core Fixed Income (SA+CF)



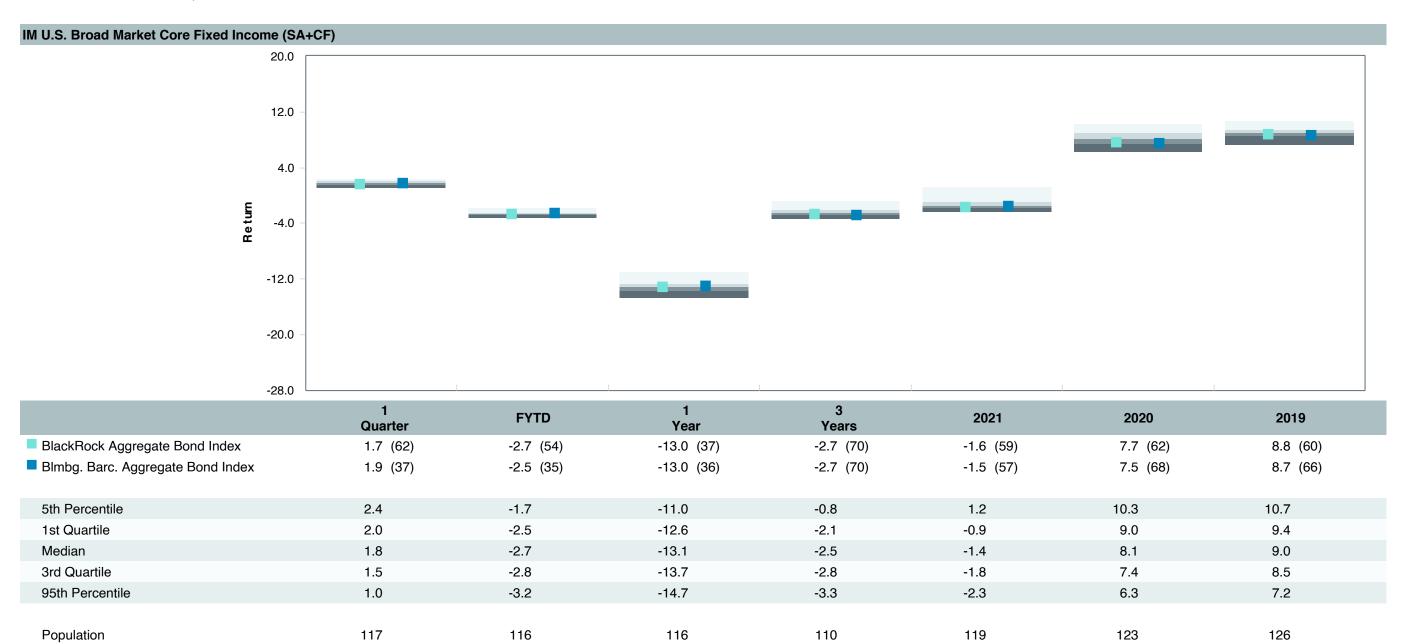






## **BlackRock Aggregate Bond Index**

As of December 31, 2022





## Manager Performance Summary BlackRock Core Plus Universal

As of December 31, 2022

#### **Account Information**

Account Name: BlackRock Core Plus Universal

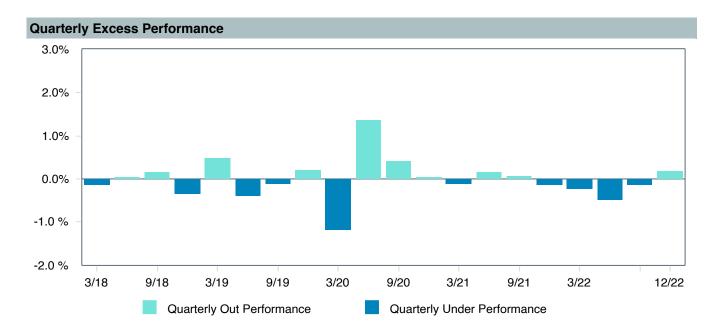
Inception Date: 04/01/2017

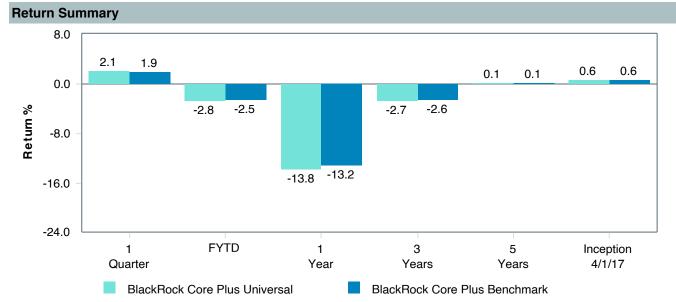
Account Structure: Separate Account

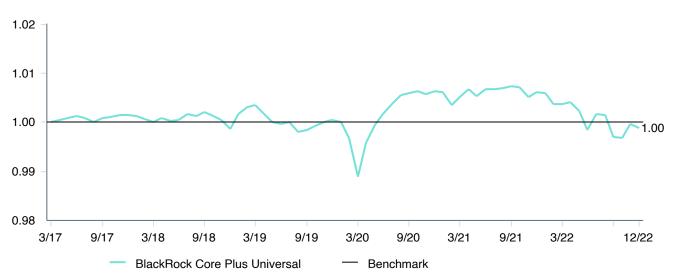
Asset Class: US Fixed Income

Benchmark: BlackRock Core Plus Benchmark

Peer Group: IM U.S. Broad Market Core+ Fixed Income (SA+CF)



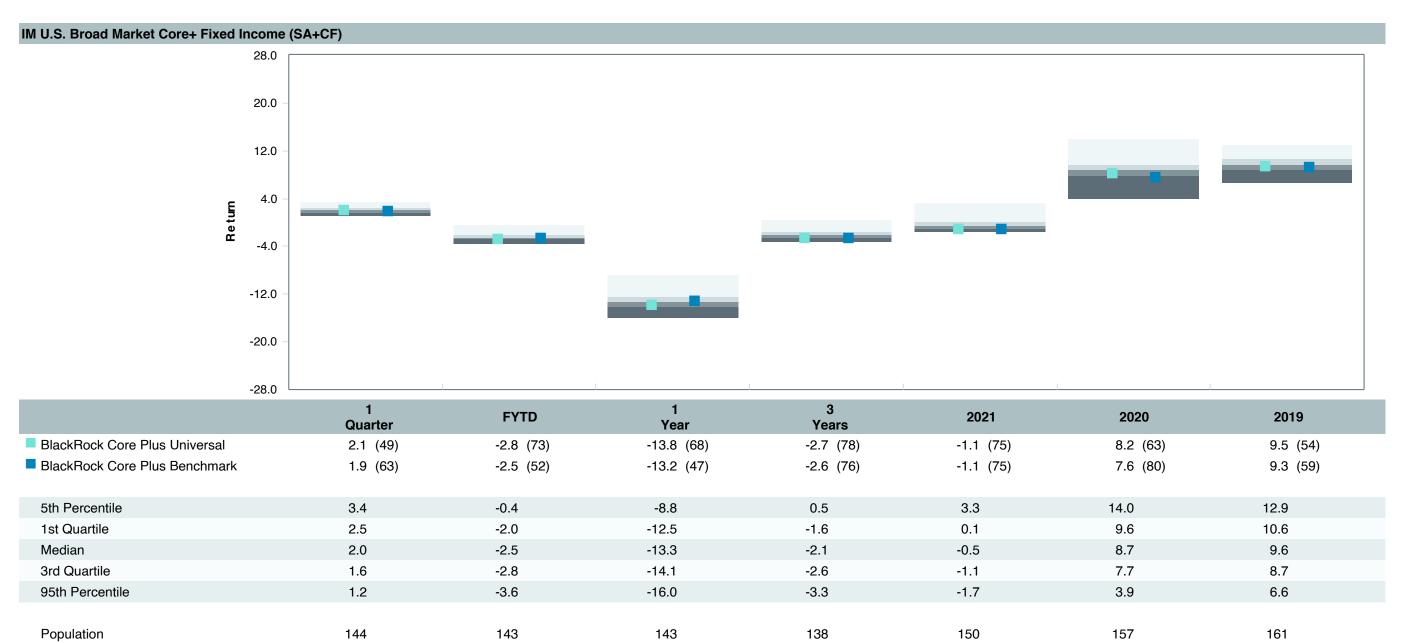






#### **BlackRock Core Plus Universal**

As of December 31, 2022





## **Manager Performance Summary PIMCO**

As of December 31, 2022

#### **Account Information**

Account Name: PIMCO

Inception Date: 04/01/2017

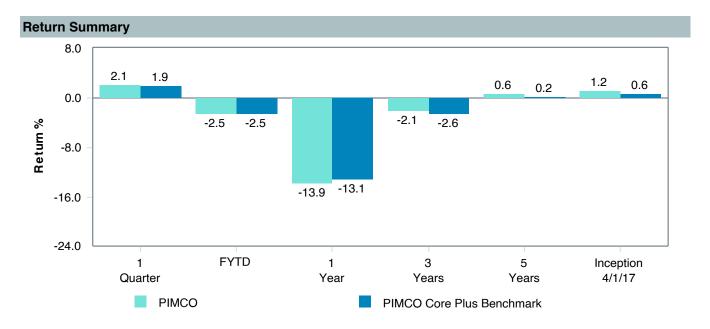
Account Structure: Separate Account

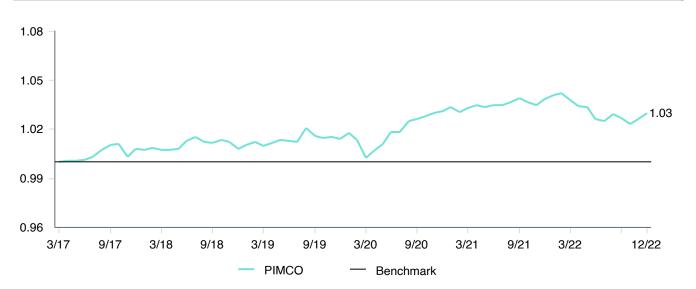
Asset Class: US Fixed Income

Benchmark: PIMCO Core Plus Benchmark

Peer Group: IM U.S. Broad Market Core+ Fixed Income (SA+CF)

#### **Quarterly Excess Performance** 4.0% 2.0% 0.0% -2.0 % -4.0 % 3/20 3/18 9/18 9/19 9/20 3/21 9/21 3/22 12/22 Quarterly Out Performance Quarterly Under Performance

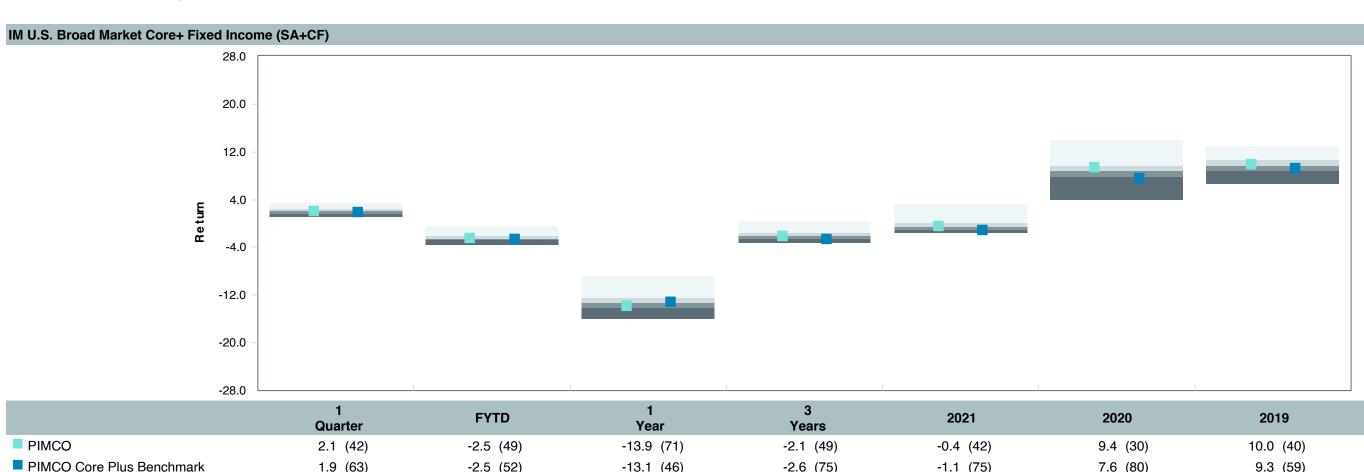






## **PIMCO**

As of December 31, 2022



	1 Quarter	FYTD	1 Year	3 Years	2021	2020	2019
PIMCO	2.1 (42)	-2.5 (49)	-13.9 (71)	-2.1 (49)	-0.4 (42)	9.4 (30)	10.0 (40)
■ PIMCO Core Plus Benchmark	1.9 (63)	-2.5 (52)	-13.1 (46)	-2.6 (75)	-1.1 (75)	7.6 (80)	9.3 (59)
5th Percentile	3.4	-0.4	-8.8	0.5	3.3	14.0	12.9
1st Quartile	2.5	-2.0	-12.5	-1.6	0.1	9.6	10.6
Median	2.0	-2.5	-13.3	-2.1	-0.5	8.7	9.6
3rd Quartile	1.6	-2.8	-14.1	-2.6	-1.1	7.7	8.7
95th Percentile	1.2	-3.6	-16.0	-3.3	-1.7	3.9	6.6
Dec. Lating	444	440	4.40	100	450	457	404
Population	144	143	143	138	150	157	161



# **Manager Performance Summary Baird**

As of December 31, 2022

# **Account Information**

Account Name: Baird

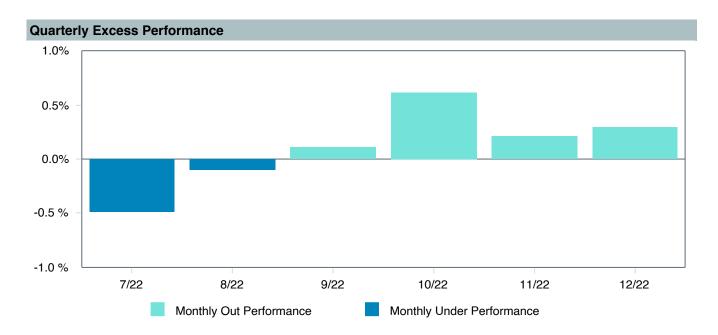
Inception Date: 05/01/2022

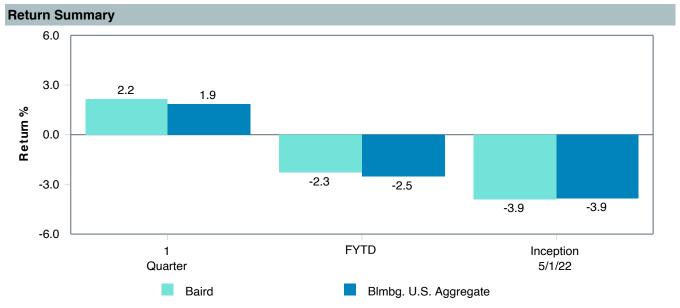
Account Structure:

Asset Class: US Fixed Income

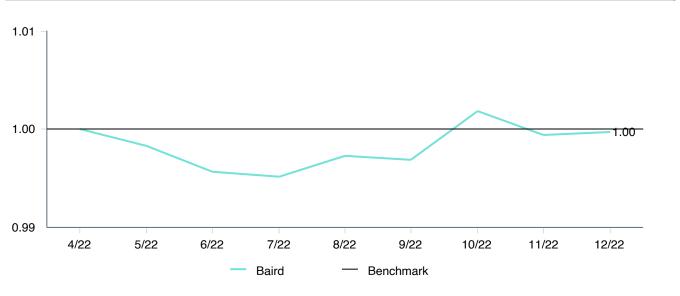
Benchmark: Blmbg. U.S. Aggregate

Peer Group:





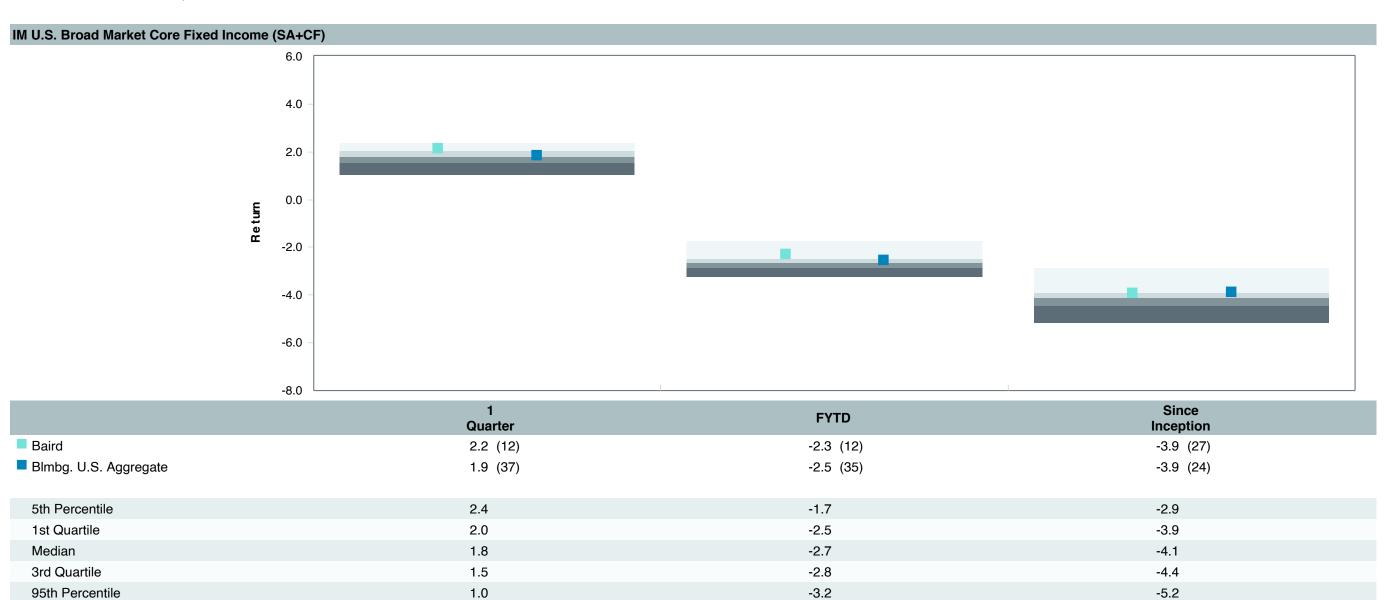
# **Ratio of Cumulative Wealth - Since Inception**





# **Baird**

As of December 31, 2022



116

117

Parentheses contain percentile rankings.

Population



116

# **Manager Performance Summary Loomis Sayles**

As of December 31, 2022

# **Account Information**

Account Name: Loomis Sayles

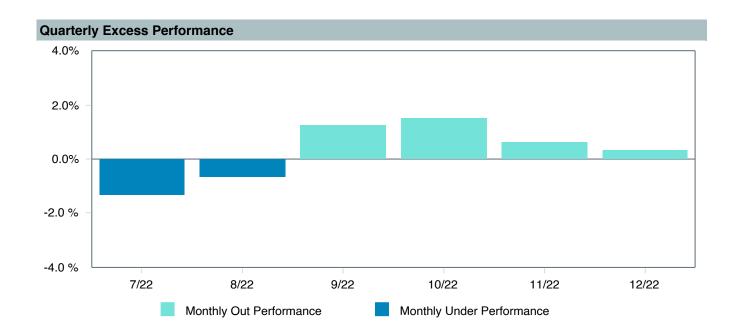
Inception Date: 05/01/2022

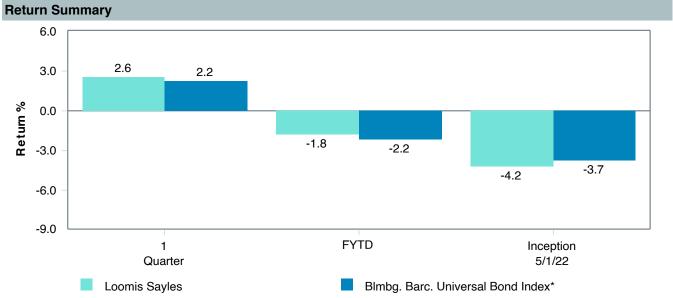
Account Structure: Separate Account

Asset Class: US Fixed Income

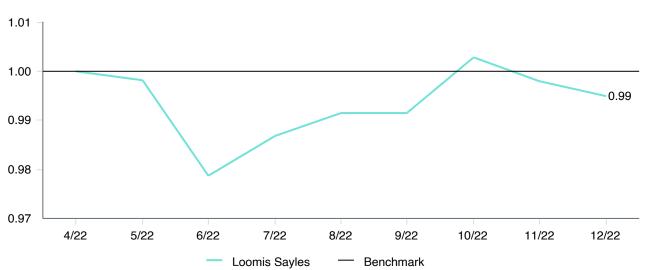
Benchmark: Blmbg. Barc. Universal Bond Index\*

Peer Group: IM U.S. Broad Market Core+ Fixed Income (SA+CF)





# **Ratio of Cumulative Wealth - Since Inception**





# **Manager Performance Summary PIMCO DIV INC**

As of December 31, 2022

# **Account Information**

Account Name: PIMCO DIV INC

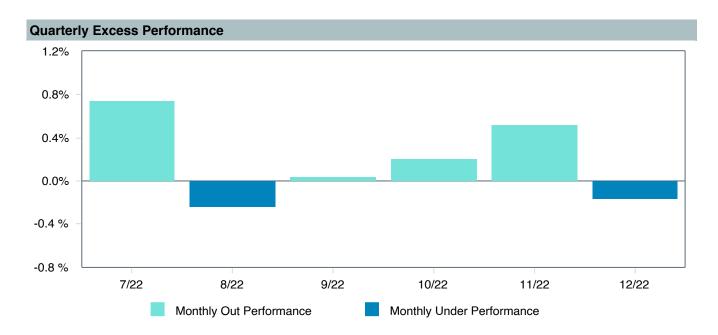
Inception Date: 05/01/2022

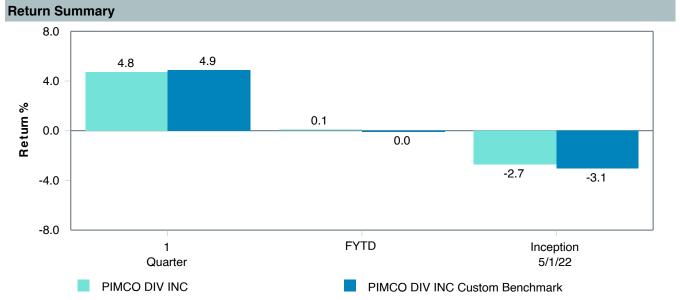
Account Structure:

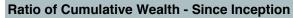
Asset Class: US Fixed Income

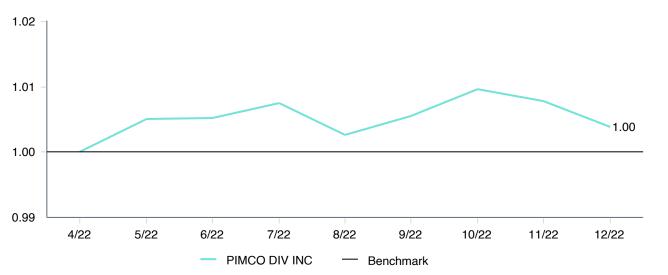
Benchmark: PIMCO DIV INC Custom Benchmark

Peer Group:











# **Manager Performance Summary Barings**

As of December 31, 2022

# **Account Information**

Account Name: Barings

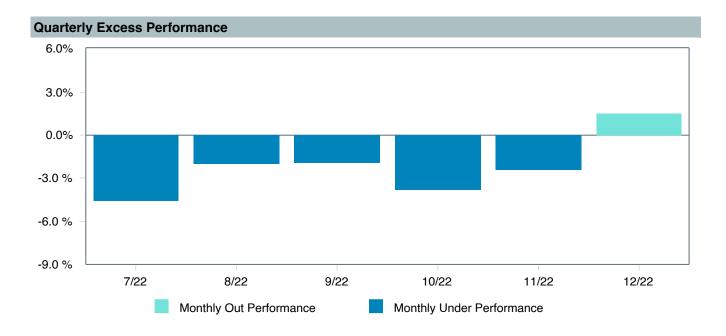
Inception Date: 05/01/2022

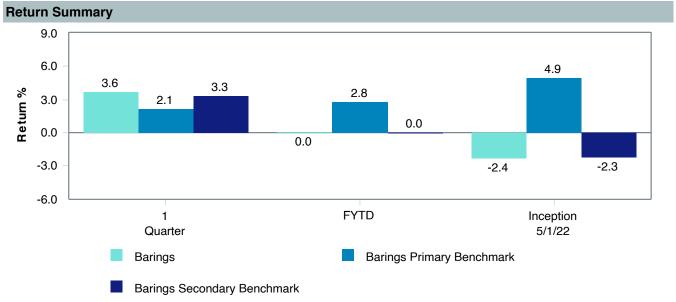
Account Structure:

Asset Class: US Fixed Income

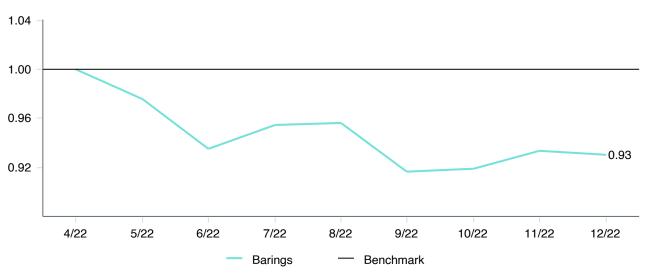
Benchmark: Barings Primary Benchmark

Peer Group:





# **Ratio of Cumulative Wealth - Since Inception**



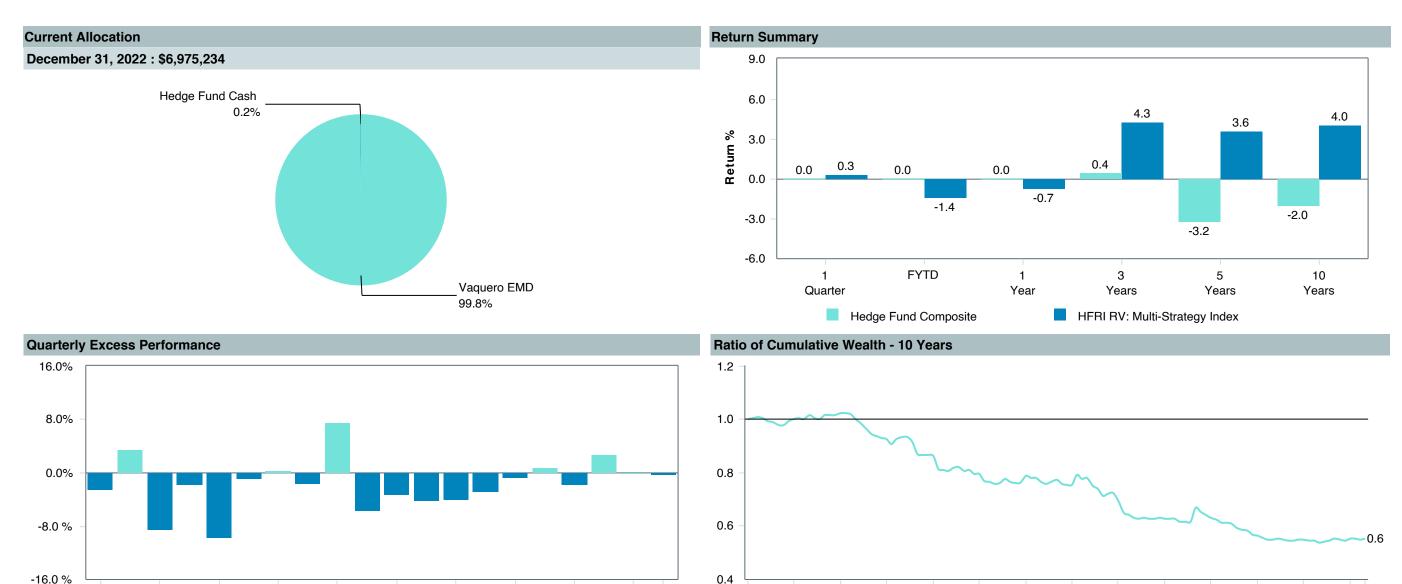


# **Hedge Fund Performance**



# **Composite Portfolio Overview Hedge Fund Composite**

As of December 31, 2022





3/18

9/18

9/19

Quarterly Out Performance

3/20

3/21

Quarterly Under Performance

9/21

3/22

12/22

12/12

Hedge Fund Composite

Benchmark

12/22

12/21

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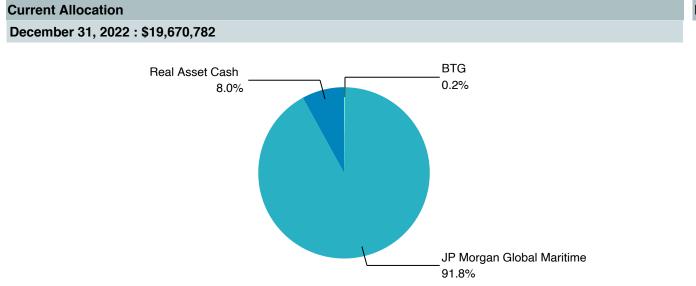


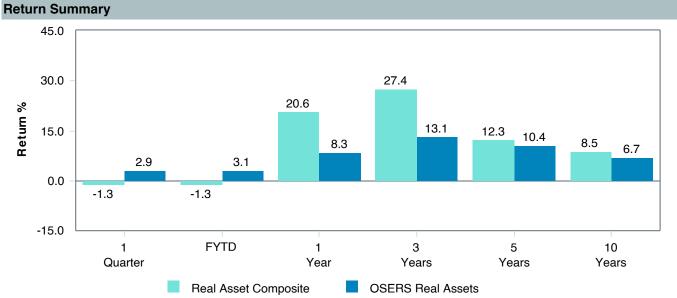
# **Real Asset Performance**

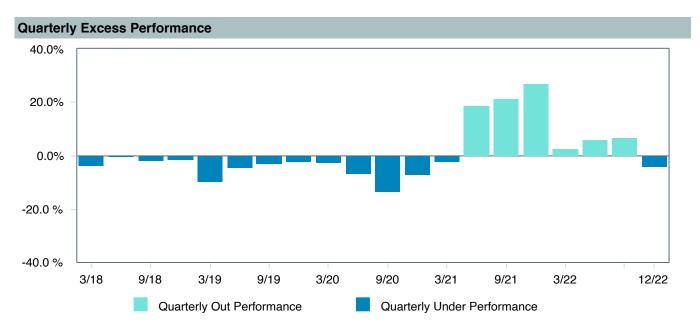


# **Composite Portfolio Overview Real Asset Composite**

As of December 31, 2022









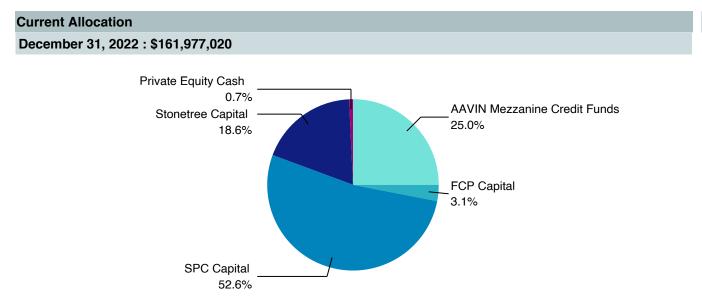


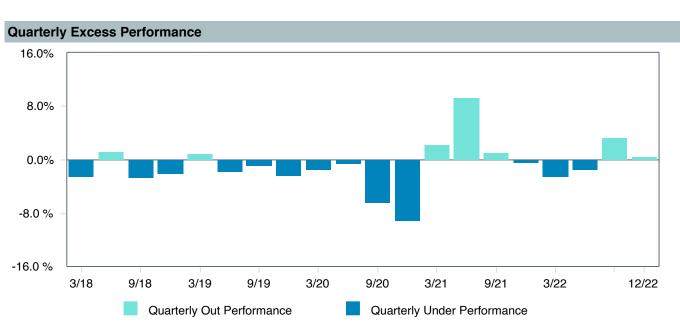
# **Private Equity Performance**

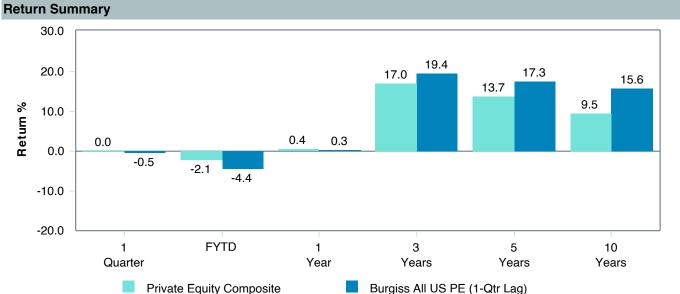


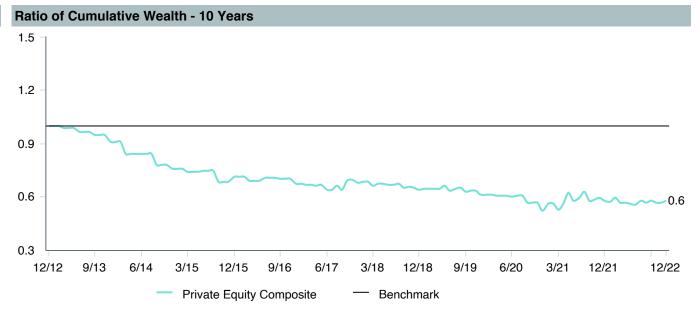
# **Composite Portfolio Overview Private Equity Composite**

As of December 31, 2022









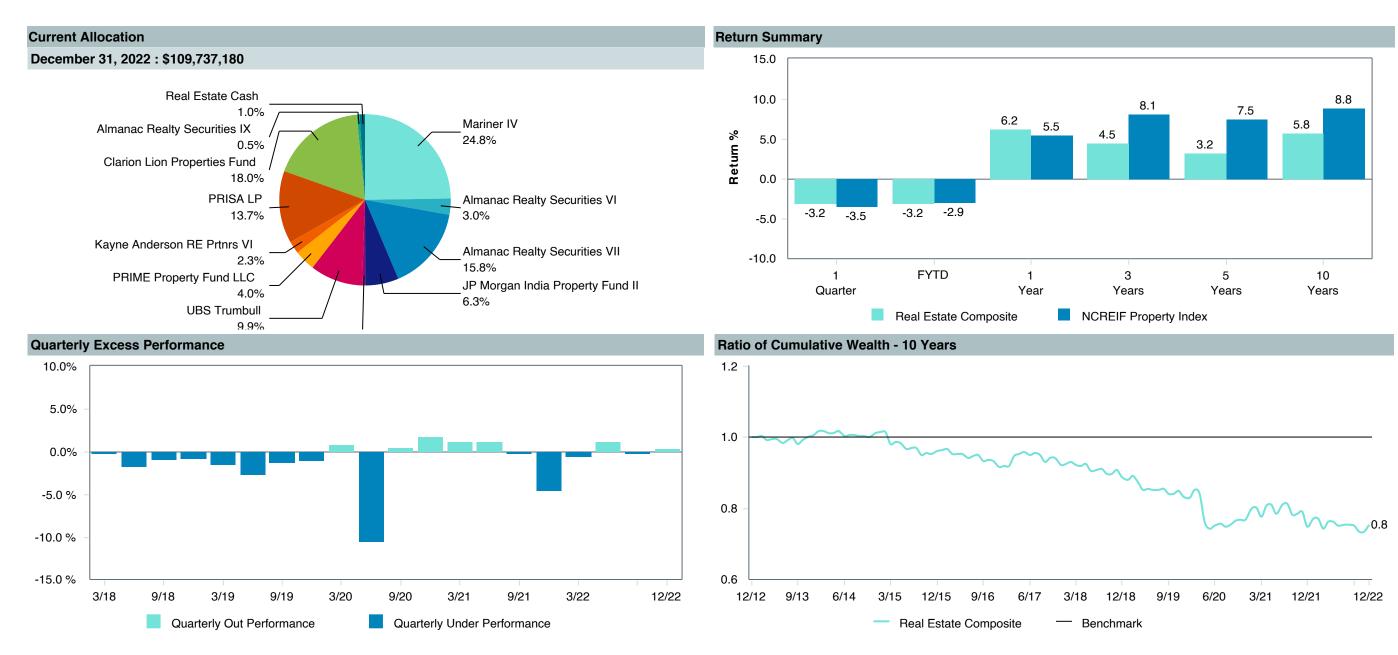


# **Real Estate Performance**



# **Composite Portfolio Overview Real Estate Composite**

As of December 31, 2022





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Name	Description
Bloomberg U.S. Corporate High Yield Bond Index	An index that covers the USD-dominated, non-investment grade, fixed rate, taxable corporate bond market. Debt issues from emerging market countries are excluded. Securities are classified as high-yield if the middle rating is Ba1/BB+ or below.
Bloomberg Emerging Markets Index	An unmanaged index that tracks total returns for external-currency-denominated debt instruments of the emerging markets.
Bloomberg Global Aggregate	Provides a broad-based measure of the global investment-grade fixed income markets. The three major components of this index are the U.S. Aggregate, the Pan-European Aggregate, and the Asian-Pacific Aggregate Indices. The index also includes Eurodollar and Euro-Yen corporate bonds, Canadian government, agency and corporate securities, and USD investment grade 144A securities.
Bloomberg Global Treasury Ex-US	The Global Treasury ex US Index is a subset of the flagship Global Treasury Index that does not have any exposure to US debt. This multi-currency benchmark includes investment grade, fixed-rate bonds issued by governments in their native currencies.
Bloomberg Universal Index	A market value-weighted index which is the union of the U.S. Aggregate Index, U.S. High Yield Corporate Index, Eurodollar Index, U.S. Emerging Markets Index and the CMBS High Yield Index. The Index is appropriate for core plus fixed income mandates.
Bloomberg U.S. Government Index	A market value weighted index of U.S. government and government agency securities (other than mortgage securities) with maturities of one year or more.
Bloomberg U.S. Government/Credit Index	A subcomponent of the Capital Aggregate Index, this benchmark includes treasury securities, government related issues, and high-quality corporate bonds with an outstanding par value of \$250 million or greater and at least one year of maturity remaining.
Bloomberg U.S. High Yield Index	An index composed of non-investment grade corporate debt denominated in U.S. dollars. The issues have to have an outstanding par value of \$150 million or greater and at least one year of maturity remaining.
Bloomberg U.S. Inflation Index	Measures the performance of the U.S. Treasury Inflation Protected Securities ("TIPS") market.
Bloomberg U.S. Intermediate Aggregate Bond Index	A market value-weighted index consisting of U.S. Treasury securities, corporate bonds and mortgage-related and asset-backed securities with one to ten years to maturity and an outstanding par value of \$250 million or greater
Bloomberg U.S. Intermediate Government/Credit Index	A market-value weighted index consisting of government bonds and SEC-registered corporate bonds with one to ten years to maturity and an outstanding par value of \$150 million or greater.
Bloomberg U.S. Intermediate Government Bond Index	An unmanaged index considered representative of intermediate- term fixed-income obligations issued by the U.S. treasury, government agencies and quasi-federal corporations.



Name	Description
Bloomberg U.S. Intermediate Treasury	An unmanaged index considered representative of intermediate-term fixed- income obligations issued by the U.S. treasury.
Bloomberg U.S. Aggregate Bond Index	A market value-weighted index consisting of government bonds, SEC-registered corporate bonds and mortgage-related and asset-backed securities with at least one year to maturity and an outstanding par value of \$250 million or greater. This index is a broad measure of the performance of the investment grade U.S. fixed income market.
Bloomberg U.S. Long Credit Bond Index	An unmanaged index considered representative of long-term fixed-income obligations issued by U.S. corporate, specified foreign debentures, and secured notes that meet the specified maturity, liquidity, and quality requirements. To qualify, bonds must be SEC-registered.
Bloomberg U.S. Long Government/Credit Index	The Capital U.S. Government/ Credit Bond Index measures performance of U.S. dollar denominated U.S. treasuries, government-related, and investment grade U.S. corporate securities that have a remaining maturity of greater than or equal to 1 year. In addition, the securities have \$250 million or more of outstanding face value, and must be fixed rate and non-convertible.
Bloomberg U.S. Long-Term Government Bond Index	An unmanaged index considered representative of long-term fixed- income obligations issued by the U.S. treasury, government agencies and quasi-federal corporations.
Bloomberg U.S. TIPS	A market value-weighted index consisting of U.S. Treasury Inflation Protected Securities with one or more years remaining until maturity with total outstanding issue size of \$500m or more.
Bloomberg U.S. Treasury 20-30 Year STRIPS Index	A subcomponent of the Aggregate Index, this benchmark includes long-term treasury STRIPS.
Bloomberg Commodity Index	Consists of 22 exchange-traded futures on physical commodities, which are weighted to account for economic significance and market liquidity. Performance is calculated on an excess return basis and reflects commodity future price movements.
BofA Merrill Lynch 3 Month Treasury Bill	An index that measures the average return of the last three-month U.S. Treasury Bill issues .
BofA Merrill Lynch High Yield Master	A market capitalization-weighted index that tracks the performance of U.S. dollar- denominated, below investment grade corporate debt publicly issued in the U.S. domestic market.



Name	Description
Citigroup 90-Day T-Bill Index	An index that measures the average return of the last three-month U.S. Treasury Bill issues
CRSP US Large Growth Cap Index	An index comprised of nearly 330 US large cap growth companies and includes securities traded on NYSE, NYSEMarket, NASDAQ, or ARCA, representing nearly 45% of the U.S. investable equity market. The index is reconstituted quarterly after the market close on the third Fridays of March, June, September, and December. CRSP classifies growth securities using the following factors: future long-term growth in earnings per share (EPS), future short-term growth in EPS, 3-year historical growth in EPS, 3-year historical growth in sales per share, current investment-to-assets ratio, and return on assets.
CRSP US Total Market Index	An index comprised of nearly 4,000 constituents across mega, large, small, and micro capitalizations and includes securities traded on NYSE, NYSE Market, NASDAQ, or ARCA, representing nearly 100% of the U.S. investable equity market. The index is reconstituted quarterly after the market close on the third Fridays of March, June, September, and December.
Credit Suisse Leveraged Loan Index	Designed to mirror the investable universe of the U.S. dollar denominated leveraged loan market.
DJ U.S. Completion Total Stock Market Index	A capitalization-weighted index that consists of the stocks in the Dow Jones U.S. Total Stock Market Index less the stocks in the S&P 500 Stock Index.
DJ U.S. Total Stock Market Index	A capitalization-weighted stock index representing all domestic common stocks traded regularly on the organized exchanges. The index is the broadest measure of the aggregate domestic stock market and includes approximately 5,000 stocks.
FTSE 4Good U.S. Select Index	A socially responsible investment (SRI) index of US stocks that excludes companies with certain business activities such as weapons, tobacco, gambling, alcohol, nuclear power, and adult entertainment
FTSE All-World ex-U.S. Index	A capitalization-weighted stock index representing 46 developed market countries and emerging market countries excluding the U.S.
FTSE EPRA NAREIT Global ex-U.S. Index	Designed to represent general trends in eligible real estate equities worldwide. Relevant real estate activities are defined as the ownership, disposure and development of income-producing real estate.
FTSE Global All Cap ex US Index	A market-capitalization weighted index representing the performance of roughly 5350 large, mid and small cap companies in 46 Developed and Emerging markets worldwide, excluding the USA.
FTSE Global Core Infrastructure Index	Represents the performance of infrastructure and infrastructure-related securities companies in a set of industries that FTSE defines as being involved in infrastructure. The series is based on the FTSE Global Equity Index Series and both developed and emerging markets are included.



Name	Description
FTSE NAREIT U.S. Equity REITS	Free float adjusted, market capitalization weighted index of US based equity real estate investment trusts (REITs).
Goldman Sachs Commodity Index	A composite index of commodity sector returns which represents a broadly diversified, unleveraged, long-only position in commodity futures.
HFR Fund-of-Fund Index.	This index is equity-weighted including 800 constituents. It includes both domestic and offshore accounts and is valued in U.S. dollars. Only fund-of-fund products are included in the index that have at least \$50 million under managements and have been actively trading for at least one year. All funds report net returns on a monthly basis.
HFRI Fund Weighted Composite Index	The HFRI Fund Weighted Composite Index is a global, equal-weighted index of over 2,000 single-manager funds that report to HFR Database. Constituent funds report monthly net of all fees performance in US Dollar and have a minimum of \$50 Million under management or a twelve (12) month track record of active performance. The HFRI Fund Weighted Composite Index does not include Funds of Hedge Funds.
Hueler Stable Value Index	The Hueler Analytics Stable Value Pooled Fund Comparative Universe represents investment strategies of \$96 billion in stable value assets, across 24 pooled funds, invested in contracts universe across a universe of 16 general account issuers and 14 synthetic wrap providers. The allocation of pooled fund assets is dominated by synthetic contracts issued by insurance companies and banks.
J.P. Morgan EMBI Global Diversified	Comprised of dollar-denominated Brady bonds, traded loans and Eurobonds issued by emerging market sovereign and quasi-sovereign entities. The Diversified version limits the weights of the index countries by only including a specified portion of those countries' eligible current face amounts of debt outstanding, providing for a more even distribution of weights within the countries in the index.
iMoneyNet All Taxable Money Funds Index	An index made up of the entire universe of money market mutual funds. The index currently represents over 1,300 funds, or approximately 99 percent of all money fund assets.
iMoneyNet Money Fund Average.	An index made up of the entire universe of money market mutual funds. The index currently represents over 1,300 funds, or approximately 99 percent of all money fund assets.
MSCI All Country World ex-U.S. Index	A capitalization-weighted index of stocks representing 44 stock markets in Europe, Australia, the Far East, the Middle East, Latin America and North America. Index consists of 23 developed and 21 emerging countries, but excludes the U.S.
MSCI All Country World ex-U.S. Index IMI	A capitalization-weighted index of large, mid and small cap stocks representing 22 developed (excluding the United States) and 24 emerging market countries. The index is the broadest measure of the aggregate non-US stock market, covering approximately 99% of the global equity investment opportunity set outside of the United States.



Name	Description
MSCI All Country World ex-U.S. Small Cap Index	Covers all investable small cap securities with a market capitalization below that of the companies in the MSCI Standard Indices (excluding U.S.), and target approximately 14% of each market's free-float adjusted market capitalization.
MSCI All Country World Index IMI	A capitalization-weighted index of large, mid and small cap stocks representing 23 developed and 24 emerging market countries. The index is the broadest measure of the aggregate global stock market, covering approximately 99% of the global equity investment opportunity set.
MSCI All Country World Index	A capitalization-weighted index of stocks representing 46 stock markets in Europe, Australia, the Far East, the Middle East, Latin America and North America.
MSCI EAFE Growth Index	A capitalization-weighted index of 21 stock markets in Europe, Australia, Asia and the Far East designed to capture the growth-oriented companies.
MSCI EAFE Small Cap Index	A capitalization-weighted index of small cap stocks representing 23 developed country markets in Europe, Australia, Asia, and the Far East.
MSCI EAFE Value Index	A capitalization-weighted index of 21 stock markets in Europe, Australia, Asia and the Far East designed to capture the value-oriented companies.
MSCI Emerging Markets Index	A capitalization-weighted index of stocks representing 22 emerging country markets.
MSCI U.S. Broad Market Index	A capitalization-weighted stock index that aggregates the MSCI U.S. Large Cap 300, Mid Cap 450, Small Cap 1,750 and Micro-Cap Indices. This index represents approximately 99.5% of the capitalization of the U.S. Equity market and includes approximately 3,562 companies.
MSCI U.S. REIT Index	A broad index that fairly represents the equity REIT opportunity set with proper invest ability screens to ensure that the index is investable and replicable. The index represents approximately 85% of the U.S. REIT universe
MSCI World Index	A free float-adjusted market capitalization weighted index that is designed to measure the equity market performance of developed markets, representing 24 developed market country indices.
NCREIF Property Index	NCREIF Property Index - A capitalization-weighted index of privately owned investment grade income-producing properties representing approximately \$269 billion in assets.



Name	Description
NFI ODCE Index	NFI ODCE Index - A capitalization weighted index comprised of open-end, Core funds investing in commercial real estate properties. The funds that constitute the index are subject to certain geographic and property type diversification requirements as well as leverage restrictions. The index reflects the impact of leverage on investment results. The returns shown in this report are net of management fees of the respective funds included in the index.
Rolling 3-year Constant Maturity Treasury Index	An index published by the Federal Reserve Board based on the monthly average yield of a range of Treasury securities, all adjusted to the equivalent of a three-year maturity.
Russell 1000 Growth Index	An index that measures the performance of those Russell 1000 companies with higher price-to- book ratios and higher I/B/E/S growth forecasts.
Russell 1000 Index	A capitalization-weighted index of the 1,000 largest publicly traded U.S. stocks by capitalization.
Russell 1000 Value Index.	An index that measures the performance of those stocks included in the Russell 1000 Index with lower price-to-book ratios and lower I/B/E/S earnings growth forecasts.
Russell 2000 Growth Index	A capitalization-weighted index of those stocks in the Russell 2000 Index with higher price-to-book ratios and higher I/B/E/S earnings growth forecasts.
Russell 2000 Index	A capitalization-weighted index of the smallest 2,000 stocks in the Russell 3000 Index. The index excludes the largest-and smallest-capitalization issues in the domestic stock market.
Russell 2000 Value Index	An index that measures the performance of those stocks included in the Russell 2000 Index with lower price-to-book ratios and lower I/B/E/S earnings growth forecasts.
Russell 2500 Growth Index	A capitalization-weighted index representing those companies within the Russell 2500 Index with higher price-to-book ratios and higher I/B/E/S earnings growth forecasts.
Russell 2500 Index	The Index is constructed by first identifying the 3,000 largest-capitalization U.S. stocks and ranking them by market capitalizations, choosing the bottom 2,500 names on the list.
Russell 2500 Value Index.	an index that measures the performance of those stocks included in the Russell 2500 Index with lower price-to-book ratios and lower I/B/E/S earnings growth forecasts.



Name	Description
Russell 3000 Growth Index	A capitalization-weighted index consisting of those Russell 3000 Index stocks that have higher price-to-book ratios and higher I/B/E/S earnings growth forecasts.
Russell 3000 Index	A capitalization-weighted index consisting of the 3,000 largest publicly traded U.S. stocks by capitalization. This index is a broad measure of the performance of the aggregate domestic equity market.
Russell 3000 Value Index	A capitalization-weighted index consisting of those Russell 3000 Index stocks that have lower price-to-book ratios and lower I/B/E/S earnings growth forecasts.
Russell Mid Cap Growth Index	A capitalization-weighted index representing those stocks in the Russell MidCap Index with higher price-to-book ratios and higher I/B/E/S earnings growth forecasts.
Russell Mid Cap Value Index	A capitalization-weighted index consisting of those Russell MidCap Index stocks that have lower price-to-book ratios and lower I/B/E/S earnings growth forecasts.
S&P 500 Index	A capitalization-weighted index representing stocks chosen by Standard & Poor's, Inc. for their size, liquidity, stability and industry group representation. The companies in the S&P 500 Index are generally among the largest in their industries.
S&P Completion Index	The S&P Completion Index is a sub-index of the S&P Total Market Index, including all stocks eligible for the S&P TMI and excluding all current constituents of the S&P 500. The index covers approximately 4,000 constituents, offering investors broad exposure to mid, small, and micro-cap companies.
S&P GSCI®	Both the first major investable commodity index and one of the most widely recognized benchmarks, the S&P GSCI® is broad-based, production weighted, and meant to be representative of the global commodity market beta.
S&P Leverage Loan Index	A daily total return index that uses LSTA/LPC Mark-to-Market Pricing to calculate market value change.
S&P Midcap 400 Index	A market-capitalization-weighted index of stocks in all major industries in the mid-range of the U.S. stock market.
Wilshire REIT	<ul> <li>A measure of the types of U.S. real estate securities that represent the ownership and operation of commercial or residential real estate. To be included in the index, a company must have a market capitalization of \$200 million and have at least 75% of the total revenue derived from the ownership and operation of the real estate assets.</li> <li>Indices cannot be invested in directly. Unmanaged index returns assume reinvestment of any and all distributions and do not reflect our fees or expenses.</li> <li>Past performance is no guarantee of future results.</li> <li>Please feel free to contact us at retirement@aonhewitt.com for more index information.</li> </ul>



# Defined Benefit Plan - Benchmarks and Universes

### **Total Fund**

Benchmark; Currently 27.0% Dow Jones Total Stock Market Index. 19.0% MSCI All Country World IMI Index. 11.5% MSCI All Country World ex-US IMI Index. 20% Bloomberg U.S. Aggregate Index, 10% Custom RS Fixed Income Benchmark, 7.5% NCREIF ODCE Index, and 5% Dow Jones Total Stock Market Index + 3%. As of April 2021, 27.0% of the DJ U.S. Total Stock Market Index, 19% of the MSCI All Country World IMI, 11.5% of the MSCI All Country World ex-U.S. IMI, 30% of the fixed income component, 7.5% of the real estate component, and 5% of the private equity component. As of April 2020, 27.5% of the DJ U.S. Total Stock Market Index, 19% of the MSCI All Country World IMI, 11.5% of the MSCI All Country World ex-U.S. IMI, 30% of the fixed income component, 7% of the real estate component, As of October 2018, 28.5% of the DJ U.S.Total Stock Market Index, 19% of the MSCI All Country World IMI, 11.5% of the MSCI All Country World ex-U.S. IMI, 30% of the fixed income component, 6% of the private equity component. As of January 2018, 29.5% of the DJ U.S. Total Stock Market Index, 19% of the MSCI All Country World IMI, 11.5% of the MSCI All Country World ex-U.S. IMI, 30% of the fixed income component, and 4% of the private equity component, As of October 2014, 32.5% of the DJ U.S. Total Stock Market Index ,15% of the MSCI All Country World IMI, 13.5% of the MSCI All Country World ex-U.S. IMI, 30% of the fixed income component, and 5% of the private equity component. As of January 2018, 29.5% of the DJ U.S. Total Stock Market Index, 19% of the MSCI All Country World IMI, 11.5% of the MSCI All Country World ex-U.S. IMI, 30% of the fixed income component, 6% of the real estate component, and 4% of the private equity component. As of October 2014, 32.5% of the DJ U.S. Total Stock Market Index .15% of the MSCI All Country World IMI, 13.5% of the MSCI All Country World ex-U.S. IMI, 30% of the fixed income component, 5% of the real estate component, and 4% of the private equity component. As of October 2015, 31.5% of the DJ U.S. Total Stock Market Index, 15% of the MSCI All Country World IMI, 13.5% of the MSCI All Country World ex-U.S. IMI, 30% of the fixed income component, 6% of the real estate component, and 4% of the private equity component. As of October 2014, 32.5% of the DJ U.S. Total Stock Market Index ,15% of the MSCI All Country World ex-U.S. IMI, 30% of the fixed income component, 5% of the real estate component, and 4% of the private equity component. As of July 2012, 33.5% of the DJ U.S. Total Stock Market Index ,15% of the MSCI All Country World IMI, 13.5% of the MSCI All Country World ex-U.S. IMI, 30% of the fixed income component, 5% of the real estate component, and 3% of the private equity component. As of August 2010, 36.5% of the DJ U.S. Total Stock Market Index ,15% of the MSCI All Country World IMI, 13.5% of the MSCI All Country World ex-U.S. IMI, 30% of the fixed income component, and 5% of the real estate component. As of June 2009, 36.5% of the DJU.S. Total Stock Market Index ,15% of the MSCI All Country World Index, 13.5% of the MSCI All Country World ex-U.S. Index GD, 30% of the fixed income component, and 5% of the real estate component. As of December 2008, 42.5% of the DJ U.S. Total Stock Market Index ,10% of the MSCI All Country World Index, 12.5% of the MSCI All Country World ex-U.S. Index GD, and the fixed income component allocation is comprised of 35% minus the actual allocation of real estate until real estate reaches its 5% target policy. As of September 2005, 47.5% of the DJ U.S.Total Stock Market Index, 5% of the MSCI All Country World Index, 12.5% of the MSCI All Country World ex-U.S. Index GD, and the fixed income component allocation is comprised of 35% minus the actual allocation of real estate until real estate reaches its 5% target policy. As of December 2004, the policy benchmark consisted of 50% of the DJ U.S. Total Stock Market Index, 15% of the MSCI All Country World ex-U.S. Index GD, the actual allocation of real estate, and the fixed income allocation was 35% minus the actual allocation of real estate. Beginning September 1, 2004, the fixed income component of the benchmark was transitioned to the Bloomberg Barclays Universal Index over a five month period. As of April 2004, the Policy Benchmark consisted of 50% of the DJ U.S. Total Stock Market Index, 35% of the Citigroup Large Public Fund Index and 15% of the MSCI All Country World ex-U.S. Index GD. Prior to April 2003, the Policy Benchmark consisted of 50% of the DJ U.S. Total Stock Market Index, 35% of the Citigroup LPF Index and 15% of the MSCI All Country World ex-U.S. Index GD. Prior to October 2000, the Policy Benchmark consisted of 45% of the DJ U.S. Total Stock Market Index, 45% of the Bloomberg Barclays Aggregate Bond Index and 10% of the MSCI EAFE Index ND. Prior to October 1995, the Policy Benchmark consisted of 50% of the DJ U.S. Total Stock Market Index, 45% of the Bloomberg Barclays Aggregate Bond Index and 5% of the MSCI EAFE Index ND. Prior to October 1991, the Policy Benchmark Consisted of 50% of the DJ U.S. Total Stock Market Index and 50% of the Bloomberg Barclays Aggregate Bond Index.

<u>Universe</u> A universe of Public Plans with total assets in excess of \$1 billion as comprised by Investment Metrics and BNY Mellon Performance & Risk Analytics.

### **U.S. Equity Component**

Benchmark: The DJ U.S.Total Stock Market Index

Universe: A universe of U.S. Equity portfolios within Public Plans with total assets in excess of \$1 billion as comprised by Investment Metrics and BNY Mellon Performance & Risk Analytics.

### DFA

Benchmark: Russell 2000 Index. Prior to April 2014, the Russell 2000 Value Index. Prior to August 2006, the Wilshire Small-Cap Value Style Index.

## BlackRock Russell 1000 Index Fund

Benchmark: Russell 1000 Index

### Non-U.S. Equity Component

Benchmark: MSCI All Country World ex-U.S. IMI. Prior to August 2010, the MSCI All Country World ex-U.S. Index, Gross Dividends. Prior to October 2000, MSCI EAFE Index.

Universe: A universe of Non-U.S. Equity portfolios within Public Plans with total assets in excess of \$1 billion as comprised by Investment Metrics and BNY Mellon Performance & Risk Analytics.

## BlackRock ACWI ex-U.S. IMI

Benchmark: The MSCI All Country World ex-U.S. IMI



# Defined Benefit Plan – Benchmarks and Universes

# **Global Equity Component**

Benchmark: The MSCI All Country World IMI. Prior to August 2010, the MSCI All Country World Index.

<u>Universe:</u> A universe of global equity funds as comprised by Investment Metrics.

### Arrowstreet

Benchmark: MSCI All Country World IMI (Net)

#### **MFS**

Benchmark: MSCI All Country World IMI. Prior to May 2012, the MSCI All Country World Index.

## **Wellington Equity**

Benchmark: MSCI All Country World Small Cap (Net)

# Dodge & Cox

Benchmark: MSCI All Country World Index IMI

## **Fixed Income Component**

Benchmark: As of May 2022, 67% Bloomberg U.S. Aggregate, 33% Total Return Seeking Fixed Income Custom Benchmark. As of January 2005, the Bloomberg Barclays Universal Index. As of December 2004, 20% the Citigroup Large Public Fund Index and 80% the Bloomberg Barclays Universal Index. As of October 2004, 60% the Citigroup Large Public Fund Index and 40% the Bloomberg Barclays Universal Index. As of September 2004, 80% the Citigroup Large Public Fund Index and 20% the Bloomberg Barclays Universal Index. Prior to September 2004, the Citigroup Large Public Fund Index.

Universe: A universe of Fixed Income portfolios within Public Plans with total assets in excess of \$1 billion as comprised by Investment Metrics and BNY Mellon Performance & Risk Analytics.

# **Total Core Fixed Income Benchmark**

Benchmark: The Bloomberg U.S. Aggregate Index

### Total Return Seeking Custom Fixed Income Benchmark

Benchmark: As of May 2022, 25% Bloomberg U.S. Credit Index, 25%ICE BofAML ML HY Master II Index, 25% JP Morgan EMBI Global Diversified Index, 25% Credit Suisse Global Leveraged Loan Index (USD Hedged)

### **BlackRock Core Plus Universal**

Benchmark: In April 2022, the account underwent a transition. The benchmark return in April is a combination of the legacy benchmark return (Bloomberg U.S. Aggregate). Post April 2022, the benchmark is the Bloomberg U.S. Aggregate Index.

# **PIMCO**

Benchmark: In April 2022, the account underwent a transition. The benchmark return in April is a combination of the legacy benchmark return (Bloomberg Universal), actual account performance, and the new benchmark return (Bloomberg U.S. Aggregate). Post April 2022, the benchmark is the Bloomberg U.S. Aggregate Index.

## BlackRock Aggregate Bond Index

Benchmark: The Bloomberg Barclays Aggregate Bond Index



# Defined Benefit Plan – Benchmarks and Universes

## Baird

Benchmark: Actual Fund performance for May 2022. Post May 2022, the Bloomberg U.S. Aggregate Index.

# **Loomis Sayles**

Benchmark: In March 2022, the account underwent a transition. The benchmark return in March is a combination of the legacy benchmark return (Bloomberg Universal) and actual account performance. Post March 2022, the benchmark is the Bloomberg Universal.

### **PIMCO Diversified Income**

<u>Benchmark:</u> Consists of 33.3% JP Morgan EMBI Global Diversified Index, 33.3% Bloomberg Global Aggregate Credit Index ex Emerging Markets (USD hedged), and 33.3% BofA ML BB/B Rated Developed Markets High Yield Constrained Index (USD hedged).

# **Barings**

Benchmark: Primary benchmark consists of the SOFR + 5%. Secondary benchmark consists of 50% ICE BofA ML HY Master II Index and 50% Credit Suisse Global Leveraged Loan Index (USD hedged).

## Franklin Templeton

Benchmark: The Credit Suisse Leveraged Loan (Split BB) Index

## **Real Estate Component**

Benchmark: The NCREIF ODCE Index. Prior to January 2016, the NCREIF Property Index. Prior to April 2009, 20% DJ US Select Real Estate Securities Total Return - Float, 80% NCREIF Property Index. Prior to April 2006, 25% DJ US Select Real Estate Securities Total Return- Float, 75% NCREIF Property Index. Prior to December 2004, the DJ US Select Real Estate Securities Total Return

# **Private Equity Component**

Benchmark: Dow Jones U.S. Total Stock Market Index + 3%



# DC Plan Benchmarks

# LifePath Target Date Funds

Benchmark: BlackRock LifePath Custom Index - The index measures the performance of a portfolio of global equities, bonds and traditional inflation hedges such as commodities and TIPS.

# **Global Equity Fund**

Benchmark: MSCI AC World Index (Net)

# **U.S. Total Stock Market Index Fund**

Benchmark: Dow Jones U.S. Total Stock Market Index

# International Stock Index Fund (IMI)

Benchmark: MSCI AC World ex USA IMI (Net)

## U.S. Bond Index Fund

Benchmark: Bloomberg Barclays U.S. Aggregate Index

# U.S. Core Plus Bond Fund

Benchmark: Bloomberg Barclays U.S. Aggregate Index

# Stable Value Fund

Benchmark: 90 Day U.S. Treasury Bill

### **Investor Select**

Benchmark: Currently comprised of 32% of the DJ U.S. Total Stock Market Index, 20% of the Bloomberg Aggregate Bond Index, 11.5% of the MSCI All Country World ex-U.S. IMI, 19% of the MSCI All Country World IMI, and 7.5% of the DJ Wilshire Real Estate Securities Index, and 10% PIMCO Diversified Income Benchmark. Prior to August 1, 2022 the benchmark consisted of 32% DJ U.S. Total Stock Market Index, 30% Bloomberg Universal Bond Index, 11.5% MSCI All Country World ex-U.S. IMI, 19% MSCI All Country World IMI, and 7.5% DJ Wilshire Real Estate Securities Index.



# Cash Balance Plan

### **Total Fund**

Benchmark: Currently 27.0% Dow Jones Total Stock Market Index, 19.0% MSCI All Country World ex-US IMI Index, 20% Bloomberg U.S. Aggregate Index, 10% Custom RS Fixed Income Benchmark, 7.5% NCREIF ODCE Index, and 5% Dow Jones Total Stock Market Index + 3%. As of April 2021, 27.0% of the DJ U.S. Total Stock Market Index, 19% of the MSCI All Country World IMI, 11.5% of the MSCI All Country World ex-U.S. IMI, 30% of the fixed income component, 7.5% of the real estate component, and 5% of the private equity component. As of April 2020, 27.5% of the DJ U.S. Total Stock Market Index, 19% of the MSCI All Country World IMI, 11.5% of the MSCI All Country World ex-U.S. IMI, 30% of the fixed income component, 7% of the real estate component, and 5% of the private equity component. As of October 2018, 28.5% of the DJ U.S. Total Stock Market Index, 19% of the MSCI All Country World IMI, 11.5% of the MSCI All Country World ex-U.S. IMI, 30% of the fixed income component, 6% of the real estate component, and 5% of the private equity component. As of January 2018, 29.5% of the DJ U.S. Total Stock Market Index, 19% of the MSCI All Country World IMI, 11.5% of the MSCI All Country World ex-U.S. IMI, 30% of the fixed income component, 6% of the real estate component, and 4% of the private equity component. As of October 2014, 32.5% of the DJ U.S. Total Stock Market Index ,15% of the MSCI All Country World IMI, 13.5% of the MSCI All Country World ex-U.S. IMI, 30% of the fixed income component, 5% of the real estate component, and 4% of the private equity component. As of October 2015, 31.5% of the DJ U.S. Total Stock Market Index, 15% of the MSCI All Country World IMI, 13.5% of the MSCI All Country World ex-U.S. IMI, 30% of the fixed income component, 6% of the real estate component, and 4% of the private equity component. As of October 2014, 32.5% of the DJ U.S. Total Stock Market Index 15% of the MSCI All Country World IMI, 13.5% of the MSCI All Country World ex-U.S. IMI, 30% of the fixed income component, 5% of the real estate component, and 4% of the private equity component. As of July 2012, 33.5% of the DJ U.S. Total Stock Market Index ,15% of the MSCI All Country World IMI, 13.5% of the MSCI All Country World ex-U.S. IMI, 30% of the fixed income component, and 3% of the private equity component. As of August 2010, 36.5% of the DJ U.S. Total Stock Market Index ,15% of the MSCI All Country World IMI, 13.5% of the MSCI All Country World ex-U.S. IMI, 30% of the fixed income component, and 5% of the real estate component. As of June 2009, 36.5% of the DJ U.S. Total Stock Market Index ,15% of the MSCI All Country World Index, 13.5% of the MSCI All Country World ex-U.S. Index GD, 30% of the fixed income component, and 5% of the real estate component. As of December 2008, 42.5% of the DJ U.S. Total Stock Market Index, 10% of the MSCI All Country World Index, 12.5% of the MSCI All Country World ex-U.S. Index GD, and the fixed income component allocation is comprised of 35% minus the actual allocation of real estate until real estate reaches its 5% target policy. As of September 2005, 47.5% of the DJ U.S. Total Stock Market Index, 5% of the MSCI All Country World Index, 12.5% of the MSCI All Country World ex-U.S. Index GD, and the fixed income component allocation is comprised of 35% minus the actual allocation of real estate until real estate reaches its 5% target policy. As of December 2004, the policy benchmark consisted of 50% of the DJ U.S. Total Stock Market Index, 15% of the MSCI All Country World ex-U.S. Index GD, the actual allocation of real estate, and the fixed income allocation was 35% minus the actual allocation of real estate. Beginning September 1, 2004, the fixed income component of the benchmark was transitioned to the Bloomberg Barclays Universal Index over a five month period. As of April 2004, the Policy Benchmark consisted of 50% of the DJ U.S. Total Stock Market Index, 35% of the Citigroup Large Public Fund Index and 15% of the MSCI All Country World ex-U.S. Index GD. Prior to April 2003, the Policy Benchmark consisted of 50% of the DJ U.S. Total Stock Market Index, 35% of the Citigroup LPF Index and 15% of the MSCI All Country World ex-U.S. Index GD. Prior to October 2000, the Policy Benchmark consisted of 45% of the DJ U.S. Total Stock Market Index, 45% of the Bloomberg Barclays Aggregate Bond Index and 10% of the MSCI EAFE Index ND. Prior to October 1995, the Policy Benchmark consisted of 50% of the DJ U.S. Total Stock Market Index, 45% of the Bloomberg Barclays Aggregate Bond Index and 5% of the MSCI EAFE Index ND. Prior to October 1991, the Policy Benchmark Consisted of 50% of the DJ U.S. Total Stock Market Index and 50% of the Bloomberg Barclays Aggregate Bond Index.

# **U.S. Equity Component**

Benchmark: The DJ U.S. Total Stock Market Index

Universe: A universe of U.S. Equity portfolios within Public Plans with total assets in excess of \$1 billion as comprised by Investment Metrics and BNY Mellon Performance & Risk Analytics.

### DFA

Benchmark: Russell 2000 Index. Prior to April 2014, the Russell 2000 Value Index. Prior to August 2006, the Wilshire Small-Cap Value Style Index.

#### BlackRock Russell 1000 Growth Index Fund

Benchmark: Russell 1000 Growth Index

# Non-U.S. Equity Component

Benchmark: MSCI All Country World ex-U.S. IMI. Prior to August 2010, the MSCI All Country World ex-U.S. Index, Gross Dividends. Prior to October 2000, MSCI EAFE Index.

Universe: A universe of Non-U.S. Equity portfolios within Public Plans with total assets in excess of \$1 billion as comprised by Investment Metrics and BNY Mellon Performance & Risk Analytics.

### BlackRock ACWI ex-U.S. IMI

Benchmark: The MSCI All Country World ex-U.S. IMI

### **Global Equity Component**

Benchmark: The MSCI All Country World IMI. Prior to August 2010, the MSCI All Country World Index.



# Cash Balance Plan

Universe: A universe of global equity funds as comprised by Investment Metrics.

### **Arrowstreet**

Benchmark: MSCI All Country World IMI (Net)

# MFS

Benchmark: MSCI All Country World IMI. Prior to May 2012, the MSCI All Country World Index.

## **Wellington Equity**

Benchmark: MSCI All Country World Small Cap (Net)

# **BlackRock All Country World IMI**

Benchmark: MSCI All Country World Index IMI

# Dodge & Cox

Benchmark: MSCI All Country World Index IMI

## **Fixed Income Component**

Benchmark: As of May 2022, 67% Bloomberg U.S. Aggregate, 33% Total Return Seeking Fixed Income Custom Benchmark. As of January 2005, the Bloomberg Barclays Universal Index. As of December 2004, 20% the Citigroup Large Public Fund Index and 80% the Bloomberg Barclays Universal Index. As of October 2004, 60% the Citigroup Large Public Fund Index and 40% the Bloomberg Barclays Universal Index. As of September 2004, 80% the Citigroup Large Public Fund Index and 20% the Bloomberg Barclays Universal Index. Prior to September 2004, the Citigroup Large Public Fund Index.

<u>Universe</u>: A universe of Fixed Income portfolios within Public Plans with total assets in excess of \$1 billion as comprised by Investment Metrics and BNY Mellon Performance & Risk Analytics.

## **Total Core Fixed Income Benchmark**

Benchmark The Bloomberg U.S. Aggregate Index.

# **Total Return Seeking Custom Fixed Income Benchmark**

Benchmark: As of May 2022, 25% Bloomberg U.S. Credit Index, 25% ICE BofA ML HY Master II Index, 25% JP Morgan EMBI Global Diversified Index, 25% Credit Suisse Global Leveraged Loan Index (USD hedged).

### **BlackRock Core Plus Universal**

Benchmark: In April 2022, the account underwent a transition. The benchmark return in April is a combination of the legacy benchmark return (Bloomberg Universal) and the new benchmark return (Bloomberg U.S. Aggregate). Post April 2022, the benchmark is the Bloomberg U.S. Aggregate Index.

### **PIMCO**

Benchmark: In April 2022, the account underwent a transition. The benchmark return (Bloomberg Universal), actual account performance, and the new benchmark return (Bloomberg U.S. Aggregate). Post April 2022, the benchmark is the Bloomberg U.S. Aggregate Index.

# BlackRock Aggregate Bond Index

Benchmark: The Bloomberg Barclays Aggregate Bond Index

### **Baird**

Benchmark: Actual Fund performance for May 2022. Post May 2022, the Bloomberg U.S. Aggregate Index.

### **Loomis Sayles**



# Cash Balance Plan

Benchmark: In March 2022, the account underwent a transition. The benchmark return in March is a combination of the legacy benchmark return (Bloomberg Universal) and actual account performance. Post March 2022, the benchmark is the Bloomberg Universal.

# **Barings**

Benchmark: Primary benchmark consists of the SOFR + 5%. Secondary benchmark consists of 50% ICE BofA ML HY Master II Index and 50% Credit Suisse Global Leveraged Loan Index (USD hedged).

## **PIMCO Diversified Income**

<u>Benchmark:</u> Consists of 33.3% JP Morgan EMBI Global Diversified Index, 33.3% Bloomberg Global Aggregate Credit Index ex Emerging Markets (USD hedged), and 33.3% BofA ML BB/B Rated Developed Markets High Yield Constrained Index (USD hedged).

# Franklin Templeton

Benchmark: The Credit Suisse Leveraged Loan (Split BB) Index

## **Real Estate Component**

Benchmark: The NCREIF ODCE Index. Prior to January 2016, the NCREIF Property Index. Prior to April 2009, 20% DJ US Select Real Estate Securities Total Return - Float, 80% NCREIF Property Index. Prior to April 2006, 25% DJ US Select Real Estate Securities Total Return- Float, 75% NCREIF Property Index. Prior to December 2004, the DJ US Select Real Estate Securities Total Return

# **Private Equity Component**

Benchmark: Dow Jones U.S. Total Stock Market Index + 3%



# College Savings Plans of Nebraska

# **Direct Aggressive 19+ Mix**

Benchmark: A composite of 9.0% of the FTSE 3 Month US T-Bill Index, 11.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 25.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 15.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 15.0% of the Barclays Capital - U.S. Aggregate Index, 5.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 6.0% of the CRSP US Total Market Index, 3.0% FTSE High Dividend Yield Index, 3.0% of the Russell 1000 Growth Index, 1.0% of the Russell 2500 Growth Index, 1.0% of the Russell 2500 Growth Index, 1.0% of the Russell 2500 Index.

# **Direct Aggressive 17-18 Mix**

Benchmark: A composite of 13.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 22.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 15.0% of the Barclays Capital - U.S. Aggregate Index, 5.0% of the Barclays Capital - U.S. Aggregate Index, 5.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 9.0% of the CRSP US Total Market Index, 5.0% FTSE High Dividend Yield Index, 5.0% of the Russell 1000 Growth Index, 1.0% of the Russell 2500 Growth Index, 1.0% of the Russell 2000 Value Index, 7.0% of the FTSE Global All Cap ex US Fair Value Index, and 2.0% of the MSCI US Investable Market Real Estate 25/50 Index.

# **Direct Aggressive 15-16 Mix**

Benchmark: A composite of 9.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 14.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 15.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 15.0% of the Barclays Capital - U.S. Aggregate Index, 6.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 11.0% of the CRSP US Total Market Index, 6.0% FTSE High Dividend Yield Index, 6.0% of the Russell 1000 Growth Index, 2.0% of the Russell 2500 Growth Index, 2.0% of the Russell 2500 Index.

# **Direct Aggressive 13-14 Mix**

Benchmark: A composite of 4.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 11.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 15.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 14.0% of the Barclays Capital - U.S. Aggregate Index, 6.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 14.0% of the CRSP US Total Market Index, 8.0% FTSE High Dividend Yield Index, 8.0% of the Russell 1000 Growth Index, 2.0% of the Russell 2000 Value Index, 13.0% of the FTSE Global All Cap ex US Fair Value Index, and 3.0% of the MSCI US Investable Market Real Estate 25/50 Index.

# **Direct Aggressive 11-12 Mix**

Benchmark: A composite of 2.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 9.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 12.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 12.0% of the Barclays Capital - U.S. Aggregate Index, 5.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 16.0% of the CRSP US Total Market Index, 9.0% FTSE High Dividend Yield Index, 9.0% of the Russell 1000 Growth Index, 3.0% of the Russell 2000 Value Index, 16.0% of the FTSE Global All Cap ex US Fair Value Index, and 4.0% of the MSCI US Investable Market Real Estate 25/50 Index.

# **Direct Aggressive 9-10 Mix**

Benchmark: A composite of 6.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 10.0% of the Barclays Capital - U.S. Aggregate Index, 4.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 18.0% of the CRSP US Total Market Index, 11.0% of the Russell 1000 Growth Index, 3.0% of the Russell 2500 Growth Index, 3.0% of the Russell

### **Direct Aggressive 6-8 Mix**

Benchmark: A composite of 4.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 7.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 6.0% of the Barclays Capital - U.S. Aggregate Index, 3.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 21.0% of the CRSP US Total Market Index, 13.0% FTSE High Dividend Yield Index, 13.0% of the Russell 2000 Growth Index, 3.0% of the Russell 2500 Growth Index, 3.0% of the Russell 2000 Value Index, 22.0% of the FTSE Global All Cap ex US Fair Value Index, and 5.0% of the MSCI US Investable Market Real Estate 25/50 Index.

### **Direct Aggressive 3-5 Mix**

Benchmark: A composite of 2.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 4.0% of the Barclays Capital - U.S. Aggregate Index, 1.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 3.0% of the Barclays Capital - U.S. Aggregate Index, 1.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 24.0% of the CRSP US Total Market Index, 14.0% of the Russell 1000 Growth Index, 4.0% of the Russell 2500 Growth Index, 4.0% of the

#### **Direct Aggressive 0-2 Mix**

Benchmark: A composite of 27.0% of the CRSP US Total Market Index, 15.0% of the FTSE High Dividend Yield Index, 15.0% of the Russell 2000 Growth Index, 4.0% of the Russell 2500 Growth Index, 4.0% of the Russell 2500 Growth Index, 4.0% of the Russell 2000 Value Index, 29.0% of the FTSE Global All Cap ex US Fair Value Index, and 6.0% of the MSCI US Investable Market Real Estate 25/50 Index.



# College Savings Plans of Nebraska

### **Direct Moderate 19+ Mix**

Benchmark: A composite of 23.0% of the FTSE 3 Month US T-Bill Index, 14.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 22.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 14.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 14.0% of the Barclays Capital - U.S. Aggregate Index, 3.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 3.0% of the CRSP US Total Market Index, 2.0% FTSE High Dividend Yield Index, 2.0% of the Russell 1000 Growth Index, 2.0% of the FTSE Global All Cap ex US Fair Value Index, and 1.0% of the MSCI US Investable Market Real Estate 25/50 Index.

### **Direct Moderate 17-18 Mix**

Benchmark: A composite of 9.0% of the FTSE 3 Month US T-Bill Index, 11.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 25.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 15.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 15.0% of the Barclays Capital - U.S. Aggregate Index, 5.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 6.0% of the CRSP US Total Market Index, 3.0% FTSE High Dividend Yield Index, 3.0% of the Russell 2500 Growth Index, 1.0% of the Russell 2500 Growth Index, 1.0% of the Russell 2500 Index.

### **Direct Moderate 15-16 Mix**

Benchmark: A composite of 13.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 22.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 15.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 15.0% of the Barclays Capital - U.S. Aggregate Index, 5.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 9.0% of the CRSP US Total Market Index, 5.0% FTSE High Dividend Yield Index, 5.0% of the Russell 1000 Growth Index, 1.0% of the Russell 2500 Growth Index, 1.0% of the Russell 2000 Value Index, 7.0% of the FTSE Global All Cap ex US Fair Value Index, and 2.0% of the MSCI US Investable Market Real Estate 25/50 Index.

### **Direct Moderate 13-14 Mix**

Benchmark: A composite of 9.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 14.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 16.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 15.0% of the Barclays Capital - U.S. Aggregate Index, 6.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 11.0% of the CRSP US Total Market Index, 6.0% FTSE High Dividend Yield Index, 6.0% of the Russell 1000 Growth Index, 2.0% of the Russell 2000 Value Index, 10.0% of the FTSE Global All Cap ex US Fair Value Index, and 3.0% of the MSCI US Investable Market Real Estate 25/50 Index.

### **Direct Moderate 11-12 Mix**

Benchmark: A composite of 4.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 11.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 14.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 14.0% of the Barclays Capital - U.S. Aggregate Index, 6.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 14.0% of the CRSP US Total Market Index, 8.0% FTSE High Dividend Yield Index, 8.0% of the Russell 1000 Growth Index, 2.0% of the Russell 2500 Growth Index, 2.0% of the Russell 2500 Index.

### **Direct Moderate 9-10 Mix**

Benchmark: A composite of 2.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 9.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 12.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 12.0% of the Barclays Capital - U.S. Aggregate Index, 5.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 16.0% of the CRSP US Total Market Index, 9.0% FTSE High Dividend Yield Index, 9.0% of the Russell 1000 Growth Index, 3.0% of the Russell 2000 Value Index, 16.0% of the FTSE Global All Cap ex US Fair Value Index, and 4.0% of the MSCI US Investable Market Real Estate 25/50 Index.

### **Direct Moderate 6-8 Mix**

Benchmark: A composite of 6.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 10.0% of the Barclays Capital - U.S. Aggregate Index, 4.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 18.0% of the CRSP US Total Market Index, 11.0% FTSE High Dividend Yield Index, 11.0% of the Russell 1000 Growth Index, 3.0% of the Russell 2500 Growth Index, 3.0% of the Russell

### **Direct Moderate 3-5 Mix**

Benchmark: A composite of 4.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 7.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 6.0% of the Barclays Capital - U.S. Aggregate Index, 3.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 21.0% of the CRSP US Total Market Index, 13.0% of the Russell 1000 Growth Index, 3.0% of the Russell 2500 Growth Index, 3.0% of the Russell 2500

### **Direct Moderate 0-2 Mix**

Benchmark: A composite of 2.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 4.0% of the Barclays Capital - U.S. Aggregate Index, 1.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 3.0% of the Barclays Capital - U.S. Aggregate Index, 1.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 24.0% of the CRSP US Total Market Index, 14.0% of the Russell 1000 Growth Index, 4.0% of the Russell 2500 Growth Index, 4.0% of the Russell 2500 Growth Index, 4.0% of the Russell 2000 Value Index, 24.0% of the FTSE Global All Cap ex US Fair Value Index, and 6.0% of the MSCI US Investable Market Real Estate 25/50 Index.



# College Savings Plans of Nebraska

### **Direct Conservative 19+ Mix**

Benchmark: A composite of 100.0% of the FTSE 3 Month US T-Bill Index.

### **Direct Conservative 17-18 Mix**

Benchmark: A composite of 50.0% of the FTSE 3 Month US T-Bill Index, 15.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 20.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 8.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, and 7.0% of the Barclays Capital - U.S. Aggregate Index.

### **Direct Conservative 15-16 Mix**

Benchmark: A composite of 23.0% of the FTSE 3 Month US T-Bill Index, 14.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 22.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 14.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 14.0% of the Barclays Capital - U.S. Aggregate Index, 3.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 3.0% of the CRSP US Total Market Index, 2.0% FTSE High Dividend Yield Index, 2.0% of the Russell 1000 Growth Index, 2.0% of the FTSE Global All Cap ex US Fair Value Index, and 1.0% of the MSCI US Investable Market Real Estate 25/50 Index.

### **Direct Conservative 13-14 Mix**

Benchmark: A composite of 9.0% of the FTSE 3 Month US T-Bill Index, 11.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 25.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 15.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 15.0% of the Barclays Capital - U.S. Aggregate Index, 5.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 6.0% of the CRSP US Total Market Index, 3.0% FTSE High Dividend Yield Index, 3.0% of the Russell 2500 Growth Index, 1.0% of the Russell 2500 Growth Index, 1.0% of the Russell 2500 Index.

#### **Direct Conservative 11-12 Mix**

Benchmark: A composite of 13.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 22.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 15.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 15.0% of the Barclays Capital - U.S. Aggregate Index, 5.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 9.0% of the CRSP US Total Market Index, 5.0% FTSE High Dividend Yield Index, 5.0% of the Russell 1000 Growth Index, 1.0% of the Russell 2500 Growth Index, 1.0% of the Russell 2000 Value Index, 7.0% of the FTSE Global All Cap ex US Fair Value Index, and 2.0% of the MSCI US Investable Market Real Estate 25/50 Index.

#### Direct Conservative 9-10 Mix

Benchmark: A composite of 9.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 14.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 15.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 15.0% of the Barclays Capital - U.S. Aggregate Index, 6.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 11.0% of the CRSP US Total Market Index, 6.0% FTSE High Dividend Yield Index, 6.0% of the Russell 1000 Growth Index, 2.0% of the Russell 2500 Growth Index, 2.0% of the Russell 2500 Growth Index, 2.0% of the Russell 2500 Index.

## **Direct Conservative 6-8 Mix**

Benchmark: A composite of 4.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 11.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 14.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 14.0% of the Barclays Capital - U.S. Aggregate Index, 6.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 14.0% of the CRSP US Total Market Index, 8.0% FTSE High Dividend Yield Index, 8.0% of the Russell 1000 Growth Index, 2.0% of the Russell 2500 Growth Index, 2.0% of the Russell 2500 Index.

### **Direct Conservative 3-5 Mix**

Benchmark: A composite of 2.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 9.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 12.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 12.0% of the Barclays Capital - U.S. Aggregate Index, 5.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 16.0% of the CRSP US Total Market Index, 9.0% FTSE High Dividend Yield Index, 9.0% of the Russell 1000 Growth Index, 3.0% of the Russell 2000 Value Index, 16.0% of the FTSE Global All Cap ex US Fair Value Index, and 4.0% of the MSCI US Investable Market Real Estate 25/50 Index.

### **Direct Conservative 0-2 Mix**

Benchmark: A composite of 6.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 10.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 10.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 10.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 10.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 10.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 10.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 10.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 10.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 10.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 10.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 10.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 10.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 10.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 10.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 10.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 10.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 10.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 10.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 10.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 10.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 10.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 10.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 10.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 10.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 10.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 10.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 10.0% of the Bar

### **Direct Index Aggressive 19+ Mix**

Benchmark: A composite of 9.0% of the FTSE 3 Month US T-Bill Index, 11.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 25.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 30.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 5.0% Barclays Capital - Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 14.0% of the CRSP US Total Market Index, 4.0% of the FTSE Global All Cap ex US Fair Value Index, and 2.0% of



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the MSCI US Investable Market Real Estate 25/50 Index.

# **Direct Index Aggressive 17-18 Mix**

Benchmark: A composite of 13.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 22.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 30.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 5.0% Barclays Capital - Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 21.0% of the CRSP US Total Market Index, 7.0% of the FTSE Global All Cap ex US Fair Value Index, and 2.0% of the MSCI US Investable Market Real Estate 25/50 Index.

# **Direct Index Aggressive 15-16 Mix**

Benchmark: A composite of 9.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 14.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 31.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 6.0% Barclays Capital - Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 27.0% of the CRSP US Total Market Index, 10.0% of the FTSE Global All Cap ex US Fair Value Index, and 3.0% of the MSCI US Investable Market Real Estate 25/50 Index.

### **Direct Index Aggressive 13-14 Mix**

Benchmark: A composite of 4.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 11.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 29.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 6.0% Barclays Capital - Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 34.0% of the CRSP US Total Market Index, 16.0% of the FTSE Global All Cap ex US Fair Value Index, and 4.0% of the MSCI US Investable Market Real Estate 25/50 Index.

# **Direct Index Aggressive 11-12 Mix**

Benchmark: A composite of 2.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 9.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 24.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 5.0% Barclays Capital - Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 40.0% of the CRSP US Total Market Index, 13.0% of the FTSE Global All Cap ex US Fair Value Index, and 3.0% of the MSCI US Investable Market Real Estate 25/50 Index.

### **Direct Index Aggressive 9-10 Mix**

Benchmark: A composite of 6.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 20.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 4.0% of the Barclays Capital - Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 46.0% of the CRSP US Total Market Index, 19.0% of the FTSE Global All Cap ex US Fair Value Index, and 5.0% of the MSCI US Investable Market Real Estate 25/50 Index.

# **Direct Index Aggressive 6-8 Mix**

Benchmark: A composite of 4.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 13.0% of the Barclays Capital - Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 53.0% of the CRSP US Total Market Index, 22.0% of the FTSE Global All Cap ex US Fair Value Index, and 5.0% of the MSCI US Investable Market Real Estate 25/50 Index.

### **Direct Index Aggressive 3-5 Mix**

Benchmark: A composite of 2.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 7.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 1.0% of the Barclays Capital - Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 60.0% of the CRSP US Total Market Index, 24.0% of the FTSE Global All Cap ex US Fair Value Index, and 6.0% of the MSCI US Investable Market Real Estate 25/50 Index.

### **Direct Index Aggressive 0-2 Mix**

Benchmark: A composite of 65.0% of the CRSP US Total Market Index, 29.0% of the FTSE Global All Cap ex US Fair Value Index, and 6.0% of the MSCI US Investable Market Real Estate 25/50 Index.

### **Direct Index Moderate 19+ Mix**

Benchmark: A composite of 23.0% of the FTSE 3 Month US T-Bill Index, 14.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 22.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 28.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 3.0% Barclays Capital - Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 7.0% of the CRSP US Total Market Index, 2.0% of the FTSE Global All Cap ex US Fair Value Index, and 1.0% of the MSCI US Investable Market Real Estate 25/50 Index.

#### **Direct Index Moderate 17-18 Mix**

Benchmark: A composite of 9.0% of the FTSE 3 Month US T-Bill Index, 11.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 25.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 30.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 5.0% Barclays Capital - Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 14.0% of the CRSP US Total Market Index, 4.0% of the FTSE Global All Cap ex US Fair Value Index, and 2.0% of



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the MSCI US Investable Market Real Estate 25/50 Index.

### **Direct Index Moderate 15-16 Mix**

Benchmark: A composite of 13.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 22.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 30.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 5.0% Barclays Capital - Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 21.0% of the CRSP US Total Market Index, 7.0% of the FTSE Global All Cap ex US Fair Value Index, and 2.0% of the MSCI US Investable Market Real Estate 25/50 Index.

### **Direct Index Moderate 13-14 Mix**

Benchmark: A composite of 9.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 14.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 31.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 6.0% Barclays Capital - Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 27.0% of the CRSP US Total Market Index, 10.0% of the FTSE Global All Cap ex US Fair Value Index, and 3.0% of the MSCI US Investable Market Real Estate 25/50 Index.

### **Direct Index Moderate 11-12 Mix**

Benchmark: A composite of 4.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 11.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 29.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 6.0% Barclays Capital - Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 34.0% of the CRSP US Total Market Index, 16.0% of the FTSE Global All Cap ex US Fair Value Index, and 4.0% of the MSCI US Investable Market Real Estate 25/50 Index.

### **Direct Index Moderate 9-10 Mix**

Benchmark: A composite of 2.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 9.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 24.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 5.0% Barclays Capital - Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 40.0% of the CRSP US Total Market Index, 16.0% of the FTSE Global All Cap ex US Fair Value Index, and 4.0% of the MSCI US Investable Market Real Estate 25/50 Index.

### **Direct Index Moderate 6-8 Mix**

Benchmark: A composite of 6.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 20.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 4.0% of the Barclays Capital - Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 46.0% of the CRSP US Total Market Index, 19.0% of the FTSE Global All Cap ex US Fair Value Index, and 5.0% of the MSCI US Investable Market Real Estate 25/50 Index.

### **Direct Index Moderate 3-5 Mix**

Benchmark: A composite of 4.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 13.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 3.0% of the Barclays Capital - Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 53.0% of the CRSP US Total Market Index, 22.0% of the FTSE Global All Cap ex US Fair Value Index, and 5.0% of the MSCI US Investable Market Real Estate 25/50 Index.

### **Direct Index Moderate 0-2 Mix**

Benchmark: A composite of 2.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 7.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 1.0% of the Barclays Capital - Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 60.0% of the CRSP US Total Market Index, 24.0% of the FTSE Global All Cap ex US Fair Value Index, and 6.0% of the MSCI US Investable Market Real Estate 25/50 Index.

#### **Direct Index Conservative 19+ Mix**

Benchmark: A composite of 100.0% of the FTSE 3 Month US T-Bill Index.

### **Direct Index Conservative 17-18 Mix**

Benchmark: A composite of 50.0% of the FTSE 3 Month US T-Bill Index, 15.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 20.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, and 15.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index.

### **Direct Index Conservative 15-16 Mix**

Benchmark: A composite of 23.0% of the FTSE 3 Month US T-Bill Index, 14.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 22.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 28.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 3.0% Barclays Capital - Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 7.0% of the CRSP US Total Market Index, 2.0% of the FTSE Global All Cap ex US Fair Value Index, and 1.0% of the MSCI US Investable Market Real Estate 25/50 Index.



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# **Direct Index Conservative 13-14 Mix**

Benchmark: A composite of 9.0% of the FTSE 3 Month US T-Bill Index, 11.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 25.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 30.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 5.0% Barclays Capital - Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 14.0% of the CRSP US Total Market Index, 4.0% of the FTSE Global All Cap ex US Fair Value Index, and 2.0% of the MSCI US Investable Market Real Estate 25/50 Index.

### **Direct Index Conservative 11-12 Mix**

Benchmark: A composite of 13.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 22.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 30.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 5.0% Barclays Capital - Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 21.0% of the CRSP US Total Market Index, 7.0% of the FTSE Global All Cap ex US Fair Value Index, and 2.0% of the MSCI US Investable Market Real Estate 25/50 Index.

### **Direct Index Conservative 9-10 Mix**

Benchmark: A composite of 9.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 14.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 31.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 6.0% Barclays Capital - Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 27.0% of the CRSP US Total Market Index, 10.0% of the FTSE Global All Cap ex US Fair Value Index, and 3.0% of the MSCI US Investable Market Real Estate 25/50 Index.

### **Direct Index Conservative 6-8 Mix**

Benchmark: A composite of 4.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 11.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 29.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 6.0% Barclays Capital - Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 34.0% of the CRSP US Total Market Index, 16.0% of the FTSE Global All Cap ex US Fair Value Index, and 4.0% of the MSCI US Investable Market Real Estate 25/50 Index.

### **Direct Index Conservative 3-5 Mix**

Benchmark: A composite of 2.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 9.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 24.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 5.0% Barclays Capital - Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 40.0% of the CRSP US Total Market Index, 16.0% of the FTSE Global All Cap ex US Fair Value Index, and 4.0% of the MSCI US Investable Market Real Estate 25/50 Index.

### **Direct Index Conservative 0-2 Mix**

Benchmark: A composite of 6.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 20.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 4.0% of the Barclays Capital - Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 46.0% of the CRSP US Total Market Index, 19.0% of the FTSE Global All Cap ex US Fair Value Index, and 5.0% of the MSCI US Investable Market Real Estate 25/50 Index.

### **Direct Conservative Static Mix**

Benchmark: A composite of 9.0% of the FTSE 3 Month US T-Bill Index, 11.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 25.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 15.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 15.0% of the Barclays Capital - U.S. Aggregate Index, 5.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 6.0% of the CRSP US Total Market Index, 3.0% FTSE High Dividend Yield Index, 3.0% of the Russell 1000 Growth Index, 1.0% of the Russell 2500 Growth Index, 1.0% of the Russell 2500 Value Index, 4.0% of the FTSE Global All Cap ex US Fair Value Index, and 2.0% of the MSCI US Investable Market Real Estate 25/50 Index.

### **Direct Balanced Static Mix**

Benchmark: A composite of 4.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 11.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 14.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 14.0% of the Barclays Capital - U.S. Aggregate Index, 6.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 14.0% of the CRSP US Total Market Index, 8.0% FTSE High Dividend Yield Index, 8.0% of the Russell 1000 Growth Index, 2.0% of the Russell 2500 Growth Index, 2.0% of the Russell 2500 Index.

## **Direct Growth Static Mix**

Benchmark: A composite of 4.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 7.0% of the Barclays Capital - U.S. Aggregate Float Adjusted Bond Index, 6.0% of the Barclays Capital - U.S. Aggregate Index, 3.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 21.0% of the CRSP US Total Market Index, 13.0% FTSE High Dividend Yield Index, 13.0% of the Russell 2000 Growth Index, 3.0% of the Russell 2500 Growth Index, 3.0% of the Russell 2000 Value Index, 22.0% of the FTSE Global All Cap ex US Fair Value Index, and 5.0% of the MSCI US Investable Market Real Estate 25/50 Index.



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#### **Direct All Equity Static Mix**

Benchmark: A composite of 27.0% of the CRSP US Total Market Index, 15.0% of the FTSE High Dividend Yield Index, 15.0% of the Russell 2500 Growth Index, 4.0% of the Russell 25

#### **Advisor Aggressive 19+ Mix**

Benchmark: A composite of 9.0% of the FTSE 3 Month US T-Bill Index, 11.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 25.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 30.0% of the Barclays Capital - U.S. Aggregate Index, 5.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 6.0% of the Russell 1000 Value Index, 3.0% of the Russell 1000 Growth Index, 1.0% of the Russell 2500 Growth Index, 1.0% of the Russell 2000 Value Index, 4.0% of the MSCI ACWI ex-USA Investable Market Index, 2.0% of the MSCI US Investable Market Real Estate 25/50 Index.

#### **Advisor Aggressive 17-18 Mix**

Benchmark: A composite of 13.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 22.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 30.0% of the Barclays Capital - U.S. Aggregate Index, 5.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 9.0% of the CRSP US Total Market Index, 5.0% of the Russell 1000 Growth Index, 1.0% of the Russell 2500 Growth Index, 1.0% of the Russell 2500 Growth Index, 1.0% of the Russell 2000 Value Index, 7.0% of the MSCI ACWI ex-USA Investable Market Index, 2.0% of the MSCI US Investable Market Real Estate 25/50 Index.

#### **Advisor Aggressive 15-16 Mix**

Benchmark: A composite of 9.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 14.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 31.0% of the Barclays Capital - U.S. Aggregate Index, 6.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 11.0% of the CRSP US Total Market Index, 6.0% of the Russell 1000 Value Index, 6.0% of the Russell 2500 Growth Index, 2.0% of the Russell 2500 Growth Index, 2.0% of the Russell 2500 Growth Index, 3.0% of the MSCI US Investable Market Real Estate 25/50 Index.

#### **Advisor Aggressive 13-14 Mix**

Benchmark: A composite of 4.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 11.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 29.0% of the Barclays Capital - U.S. Aggregate Index, 6.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 14.0% of the CRSP US Total Market Index, 8.0% of the Russell 1000 Value Index, 8.0% of the Russell 2500 Growth Index, 2.0% of the Russell 2500 Growth Index, 2.0% of the Russell 2000 Value Index, 13.0% of the MSCI ACWI ex-USA Investable Market Index, 3.0% of the MSCI US Investable Market Real Estate 25/50 Index.

#### **Advisor Aggressive 11-12 Mix**

Benchmark: A composite of 2.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 9.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 24.0% of the Barclays Capital - U.S. Aggregate Index, 5.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 16.0% of the CRSP US Total Market Index, 9.0% of the Russell 1000 Growth Index, 3.0% of the Russell 2500 Growth Index, 3.0% of the Russell 2500 Growth Index, 3.0% of the Russell 2000 Value Index, 16.0% of the MSCI ACWI ex-USA Investable Market Index, 4.0% of the MSCI US Investable Market Real Estate 25/50 Index.

#### **Advisor Aggressive 9-10 Mix**

Benchmark: A composite of 6.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 15.0% of the Barclays Capital - U.S. Aggregate Index, 4.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 18.0% of the CRSP US Total Market Index, 11.0% of the Russell 1000 Value Index, 11.0% of the Russell 1000 Value Index, 11.0% of the Russell 2000 Value Index, 19.0% of the MSCI ACWI ex-USA Investable Market Index, 5.0% of the MSCI US Investable Market Real Estate 25/50 Index.

#### **Advisor Aggressive 6-8 Mix**

Benchmark: A composite of 4.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 13.0% of the Barclays Capital - U.S. Aggregate Index, 3.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 21.0% of the CRSP US Total Market Index, 13.0% of the Russell 1000 Value Index, 13.0% of the Russell 1000 Value Index, 13.0% of the Russell 2000 Value Index, 22.0% of the MSCI ACWI ex-USA Investable Market Index, 5.0% of the MSCI US Investable Market Real Estate 25/50 Index.

#### **Advisor Aggressive 3-5 Mix**

Benchmark: A composite of 2.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 7.0% of the Barclays Capital - U.S. Aggregate Index, 1.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 24.0% of the CRSP US Total Market Index, 14.0% of the Russell 1000 Value Index, 14.0% of the Russell 1000 Value Index, 14.0% of the Russell 2000 Value Index, 24.0% of the MSCI ACWI ex-USA Investable Market Index, 6.0% of the MSCI US Investable Market Real Estate 25/50 Index.



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#### **Advisor Aggressive 0-2 Mix**

Benchmark: A composite of 27.0% of the CRSP US Total Market Index, 15.0% of the Russell 1000 Value Index, 4.0% of the Russell 2500 Growth Index, 4.0% of the Russell 2500 Grow

#### **Advisor Moderate 19+ Mix**

Benchmark: A composite of 23.0% of the FTSE 3 Month US T-Bill Index, 14.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 22.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 28.0% of the Barclays Capital - U.S. Aggregate Index, 3.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 3.0% of the CRSP US Total Market Index, 2.0% of the Russell 1000 Value Index, 2.0% of the Russell 1000 Growth Index, 2.0% of the MSCI US Investable Market Real Estate 25/50 Index.

#### **Advisor Moderate 17-18 Mix**

Benchmark: A composite of 9.0% of the FTSE 3 Month US T-Bill Index, 11.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 25.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 30.0% of the Barclays Capital - U.S. Aggregate Index, 5.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 6.0% of the Russell 1000 Value Index, 3.0% of the Russell 1000 Growth Index, 1.0% of the Russell 2500 Growth Index, 1.0% of the Russell 2000 Value Index, 4.0% of the MSCI ACWI ex-USA Investable Market Index, 2.0% of the MSCI US Investable Market Real Estate 25/50 Index.

#### **Advisor Moderate 15-16 Mix**

Benchmark: A composite of 13.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 22.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 30.0% of the Barclays Capital - U.S. Aggregate Index, 5.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 9.0% of the CRSP US Total Market Index, 5.0% of the Russell 1000 Growth Index, 1.0% of the Russell 2500 Growth Index, 1.0% of the Russell 2500 Growth Index, 1.0% of the Russell 2000 Value Index, 7.0% of the MSCI ACWI ex-USA Investable Market Index, 2.0% of the MSCI US Investable Market Real Estate 25/50 Index.

#### **Advisor Moderate 13-14 Mix**

Benchmark: A composite of 9.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 14.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 31.0% of the Barclays Capital - U.S. Aggregate Index, 6.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 11.0% of the CRSP US Total Market Index, 6.0% of the Russell 1000 Growth Index, 2.0% of the Russell 2500 Growth Index, 2.0% of the Russell 2500 Growth Index, 3.0% of the Russell 2000 Value Index, 10.0% of the MSCI ACWI ex-USA Investable Market Index, 3.0% of the MSCI US Investable Market Real Estate 25/50 Index.

#### **Advisor Moderate 11-12 Mix**

Benchmark: A composite of 4.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 11.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 29.0% of the Barclays Capital - U.S. Aggregate Index, 6.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 14.0% of the CRSP US Total Market Index, 8.0% of the Russell 1000 Growth Index, 2.0% of the Russell 2500 Growth Index, 2.0% of the Russell 2500 Growth Index, 3.0% of the Russell 2500 Growth Index, 3.0% of the MSCI US Investable Market Real Estate 25/50 Index.

#### **Advisor Moderate 9-10 Mix**

Benchmark: A composite of 2.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 9.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 24.0% of the Barclays Capital - U.S. Aggregate Index, 5.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 16.0% of the CRSP US Total Market Index, 9.0% of the Russell 1000 Growth Index, 3.0% of the Russell 2500 Growth Index, 3.0% of the Russell 2500 Growth Index, 4.0% of the Russell 2000 Value Index, 16.0% of the MSCI ACWI ex-USA Investable Market Index, 4.0% of the MSCI US Investable Market Real Estate 25/50 Index.

#### **Advisor Moderate 6-8 Mix**

Benchmark: A composite of 6.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 15.0% of the Barclays Capital - U.S. Aggregate Index, 4.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 18.0% of the CRSP US Total Market Index, 11.0% of the Russell 1000 Value Index, 11.0% of the Russell 1000 Value Index, 11.0% of the Russell 2000 Value Index, 19.0% of the MSCI US Investable Market Real Estate 25/50 Index.

#### **Advisor Moderate 3-5 Mix**

Benchmark: A composite of 4.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 13.0% of the Barclays Capital - U.S. Aggregate Index, 3.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 21.0% of the CRSP US Total Market Index, 13.0% of the Russell 1000 Value Index, 13.0% of the Russell 1000 Value Index, 13.0% of the Russell 2000 Value Index, 22.0% of the MSCI ACWI ex-USA Investable Market Index, 5.0% of the MSCI US Investable Market Real Estate 25/50 Index.



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#### **Advisor Moderate 0-2 Mix**

Benchmark: A composite of 2.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 7.0% of the Barclays Capital - U.S. Aggregate Index, 1.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 24.0% of the CRSP US Total Market Index, 14.0% of the Russell 1000 Value Index, 14.0% of the Russell 1000 Value Index, 14.0% of the Russell 2000 Value Index, 24.0% of the MSCI US Investable Market Real Estate 25/50 Index.

#### **Advisor Index Conservative 19+ Mix**

Benchmark: 100.0% of the FTSE 3 Month US T-Bill Index.

#### **Advisor Index Conservative 17-18 Mix**

Benchmark: A composite of 50.0% FTSE 3 Month US T-Bill Index, 15.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 20.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 15.0% of the Barclays Capital - U.S. Aggregate Index.

#### **Advisor Index Conservative 15-16 Mix**

Benchmark: A composite of 23.0% FTSE 3 Month US T-Bill Index, 14.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 22.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 28.0% of the Barclays Capital - U.S. Aggregate Index, 3.0% of the Barclays Capital - Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 7.0% of the CRSP US Total Market Index, 2.0% of the MSCI ACWI ex-USA Investable Market Index, 1.0% of the MSCI US Investable Market Real Estate 25/50 Index.

#### **Advisor Index Conservative 13-14 Mix**

Benchmark: A composite of 9.0% FTSE 3 Month US T-Bill Index, 11.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 25.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 30.0% of the Barclays Capital - U.S. Aggregate Index, 5.0% of the Barclays Capital - Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 14.0% of the CRSP US Total Market Index, 4.0% of the MSCI ACWI ex-USA Investable Market Index, 2.0% of the MSCI US Investable Market Real Estate 25/50 Index.

#### **Advisor Index Conservative 11-12 Mix**

Benchmark: A composite of 13.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 22.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 30.0% of the Barclays Capital - U.S. Aggregate Index, 5.0% of the Barclays Capital - Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 21.0% of the CRSP US Total Market Index, 7.0% of the MSCI ACWI ex-USA Investable Market Index, 2.0% of the MSCI US Investable Market Real Estate 25/50 Index.

#### **Advisor Index Conservative 9-10 Mix**

Benchmark: A composite of 9.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 14.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 31.0% of the Barclays Capital - U.S. Aggregate Index, 6.0% of the Barclays Capital - U.S. Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 27.0% of the MSCI US Investable Market Index, 3.0% of the MSCI US Investable Market Real Estate 25/50 Index.

#### **Advisor Index Conservative 6-8 Mix**

Benchmark: A composite of 4.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 11.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 29.0% of the Barclays Capital - U.S. Aggregate Index, 6.0% of the Barclays Capital - U.S. Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 34.0% of the CRSP US Total Market Index, 13.0% of the MSCI ACWI ex-USA Investable Market Index, 3.0% of the MSCI US Investable Market Real Estate 25/50 Index.

#### **Advisor Index Conservative 3-5 Mix**

Benchmark: A composite of 2.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 9.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 24.0% of the Barclays Capital - U.S. Aggregate Index, 5.0% of the Barclays Capital - Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 40.0% of the CRSP US Total Market Index, 16.0% of the MSCI ACWI ex-USA Investable Market Index, 4.0% of the MSCI US Investable Market Real Estate 25/50 Index.

#### **Advisor Index Conservative 0-2 Mix**

Benchmark: A composite of 6.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 20.0% of the Barclays Capital - U.S. Aggregate Index, 4.0% of the Barclays Capital - Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 46.0% of the CRSP US Total Market Index, 19.0% of the MSCI ACWI ex-USA Investable Market Index, 5.0% of the MSCI US Investable Market Real Estate 25/50 Index.

#### **Advisor Conservative Static Mix**

Benchmark: A composite of 9.0% of the FTSE 3 Month US T-Bill Index, 11.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 25.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 30.0% of the Barclays Capital - U.S. Aggregate Index, 5.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 6.0% of the CRSP US Total Market Index, 3.0% of the Russell 1000 Value Index, 3.0% of the Russell 1000 Growth Index, 1.0% of the Russell 2500 Growth



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Index, 1.0% of the Russell 2000 Value Index, 4.0% of the MSCI ACWI ex-USA Investable Market Index, 2.0% of the MSCI US Investable Market Real Estate 25/50 Index.

#### **Advisor Balanced Static Mix**

Benchmark: A composite of 4.0% of the Barclays Capital - U.S. 0-5 Year TIPS Index, 11.0% of the Barclays Capital - U.S. Aggregate Index, 6.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 14.0% of the CRSP US Total Market Index, 8.0% of the Russell 1000 Growth Index, 2.0% of the Russell 2500 Growth Index, 2.0% of the Russell 2500 Growth Index, 3.0% of the Russell 2500 Growth Index, 3.0%

#### **Advisor Growth Static Mix**

Benchmark: A composite of 4.0% of the Barclays Capital - U.S. 1-5 Year Government/Credit Float Adj Index, 13.0% of the Barclays Capital - U.S. Aggregate Index, 3.0% of the FTSE Non-USD World Government Bond Index (hedged to USD), 21.0% of the CRSP US Total Market Index, 13.0% of the Russell 1000 Value Index, 13.0% of the Russell 1000 Value Index, 13.0% of the Russell 2000 Value Index, 22.0% of the MSCI ACWI ex-USA Investable Market Index, 5.0% of the MSCI US Investable Market Real Estate 25/50 Index.

#### **Advisor All Equity Static Mix**

Benchmark: A composite of 27.0% of the CRSP US Total Market Index, 15.0% of the Russell 1000 Value Index, 15.0% of the Russell 2500 Growth Index, 4.0% of the Russell 2500 Growth Index, 4.0% of the Russell 2000 Value Index, 29.0% of the MSCI ACWI ex-USA Investable Market Index. 6.0% of the MSCI US Investable Market Real Estate 25/50 Index.

#### **Bloomwell Core 19+ Mix**

Benchmark: A composite of 12.0% of the S&P 500 Index, 3.0% of the FTSE Developed All Cap ex US Index, 25.0% of the Bloomberg Barclays US. 1-5 Year Government/Credit Float Adjusted Index, 3.0% of the Bloomberg Barclays Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 33.0% of the FTSE 3-Month T-Bill.

#### **Bloomwell Core 17-18 Mix**

Benchmark: A composite of 20.0% of the S&P 500 Index, 4.0% of the FTSE Developed All Cap ex US Index, 1.0% of the FTSE Emerging Markets All Cap China A Inclusion Index, 28.0% of the Bloomberg Barclays US Aggregated Bond Index, 22.0% of the Bloomberg Barclays U.S. 1-5 Year Government/Credit Float Adjusted Index, 4.0% of the Bloomberg Barclays Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 21.0% of the FTSE 3-Month T-Bill.

#### **Bloomwell Core 15-16 Mix**

Benchmark: A composite of 27.5% of the S&P 500 Index, 6.0% of the FTSE Developed All Cap ex US Index, 1.5% of the FTSE Emerging Markets All Cap China A Inclusion Index, 26.5% of the Bloomberg Barclays US Aggregated Bond Index, 17.5% of the Bloomberg Barclays U.S. 1-5 Year Government/Credit Float Adjusted Index, 4.0% of the Bloomberg Barclays Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 17.0% of the FTSE 3-Month T-Bill.

#### **Bloomwell Core 13-14 Mix**

Benchmark: A composite of 35.0% of the S&P 500 Index, 8.0% of the FTSE Developed All Cap ex US Index, 2.0% of the FTSE Emerging Markets All Cap China A Inclusion Index, 25.0% of the Bloomberg Barclays US Aggregated Bond Index, 13.0% of the Bloomberg Barclays U.S. 1-5 Year Government/Credit Float Adjusted Index, 3.0% of the Bloomberg Barclays Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 1.0% of the J.P. Morgan GBI-EM Global Core Index, 13.0% of the FTSE 3-Month T-Bill.

#### **Bloomwell Core 11-12 Mix**

Benchmark: A composite of 42.5% of the S&P 500 Index, 10.0% of the FTSE Developed All Cap ex US Index, 2.5% of the FTSE Emerging Markets All Cap China A Inclusion Index, 23.5% of the Bloomberg Barclays US. 1-5 Year Government/Credit Float Adjusted Index, 2.5% of the Bloomberg Barclays Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 1.0% of the J.P. Morgan GBI-EM Global Core Index, 8.5% of the FTSE 3-Month T-Bill.

#### **Bloomwell Core 9-10 Mix**

Benchmark: A composite of 50.0% of the S&P 500 Index, 12.0% of the FTSE Developed All Cap ex US Index, 3.0% of the FTSE Emerging Markets All Cap China A Inclusion Index, 22.0% of the Bloomberg Barclays US. 1-5 Year Government/Credit Float Adjusted Index, 2.0% of the Bloomberg Barclays Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 1.0% of the J.P. Morgan GBI-EM Global Core Index, 4.0% of the FTSE 3-Month T-Bill.



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#### **Bloomwell Core 6-8 Mix**

Benchmark: A composite of 57.5% of the S&P 500 Index, 14.0% of the FTSE Developed All Cap ex US Index, 3.5% of the FTSE Emerging Markets All Cap China A Inclusion Index, 17.5% of the Bloomberg Barclays US Aggregated Bond Index, 3.0% of the Bloomberg Barclays U.S. 1-5 Year Government/Credit Float Adjusted Index, 1.5% of the Bloomberg Barclays Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 1.0% of the J.P. Morgan GBI-EM Global Core Index, 2.0% of the FTSE 3-Month T-Bill.

#### **Bloomwell Core 3-5 Mix**

Benchmark: A composite of 65.0% of the S&P 500 Index, 16.0% of the FTSE Developed All Cap ex US Index, 4.0% of the FTSE Emerging Markets All Cap China A Inclusion Index, 13.0% of the Bloomberg Barclays US Aggregated Bond Index, 1.0% of the FISE Emerging Markets All Cap China A Inclusion Index, 13.0% of the Bloomberg Barclays US Aggregated Bond Index, 1.0% of the FTSE Emerging Markets All Cap China A Inclusion Index, 13.0% of the Bloomberg Barclays US Aggregated Bond Index, 1.0% of the FTSE Emerging Markets All Cap China A Inclusion Index, 13.0% of the Bloomberg Barclays US Aggregated Bond Index, 1.0% of the FTSE Emerging Markets All Cap China A Inclusion Index, 13.0% of the Bloomberg Barclays US Aggregated Bond Index, 1.0% of the Bloomberg Barclays US Aggregated Bond Index, 1.0% of the Bloomberg Barclays US Aggregated Bond Index, 1.0% of the FTSE Emerging Markets All Cap China A Inclusion Index, 13.0% of the Bloomberg Barclays US Aggregated Bond Index, 1.0% of the FTSE Emerging Markets All Cap China A Inclusion Index, 13.0% of the Bloomberg Barclays US Aggregated Bond Index, 13.0% of the FTSE Emerging Markets All Cap China A Inclusion Index, 13.0% of the Bloomberg Barclays US Aggregated Bond Index, 13.0% of the FTSE Emerging Markets All Cap China A Inclusion Index, 13.0% of the Bloomberg Barclays US Aggregated Bond Index, 13.0% of the FTSE Emerging Markets All Cap China A Inclusion Index, 13.0% of the Bloomberg Barclays US Aggregated Bond Index, 13.0% of the Bloomberg Barclays US Aggregated Bond Index, 13.0% of the Bloomberg Barclays US Aggregated Bond Index, 13.0% of the Bloomberg Barclays US Aggregated Bond Index, 13.0% of the Bloomberg Barclays US Aggregated Bond Index, 13.0% of the Bloomberg Barclays US Aggregated Bond Index, 13.0% of the Bloomberg Barclays US Aggregated Bond Index, 13.0% of the Bloomberg Barclays US Aggregated Bond Index, 13.0% of the Bloomberg Barclays US Aggregated Bond Index, 13.0% of the Bloomberg Barclays US Aggregated Bond Index, 13.0% of the Bloomberg Barclays US Aggregated Bond Ind

#### **Bloomwell Core 0-2 Mix**

Benchmark: A composite of 73.0% of the S&P 500 Index, 17.5% of the FTSE Developed All Cap ex US Index, 4.5% of the FTSE Emerging Markets All Cap China A Inclusion Index, 5.0% of the Bloomberg Barclays US Aggregated Bond Index.

#### **Bloomwell Socially Aware 19+ Mix**

Benchmark: A composite of 11.0% of the MSCI USA Extended ESG Focus Index, 1.0% of the TIAA ESG USA Small-Cap Index, 3.0% of the MSCI EAFE Extended ESG Focus Index, 25.0% of the Bloomberg Barclays U.S. 1-5 Year Government/Credit Float Adjusted Index, 3.0% of the Bloomberg Barclays Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 33.0% FTSE 3-Month T-Bill Index.

#### **Bloomwell Socially Aware 17-18 Mix**

Benchmark: A composite of 18.0% of the MSCI USA Extended ESG Focus Index, 2.0% of the TIAA ESG USA Small-Cap Index, 4.0% of the MSCI EAFE Extended ESG Focus Index, 1.0% of the MSCI Emerging Markets Extended ESG Focus Index, 28.0% of the Bloomberg Barclays US Aggregate Bond Index, 22.0% of the Bloomberg Barclays U.S. 1-5 Year Government/Credit Float Adjusted Index, 4.0% of the Bloomberg Barclays Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 21.0% FTSE 3-Month T-Bill Index.

#### **Bloomwell Socially Aware 15-16 Mix**

Benchmark: A composite of 24.75% of the MSCI USA Extended ESG Focus Index, 2.75% of the TIAA ESG USA Small-Cap Index, 6.0% of the MSCI EAFE Extended ESG Focus Index, 1.5% of the MSCI Emerging Markets Extended ESG Focus Index, 26.5% of the Bloomberg Barclays US Aggregate Bond Index, 17.5% of the Bloomberg Barclays US Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 17.0% FTSE 3-Month T-Bill Index.

#### **Bloomwell Socially Aware 13-14 Mix**

Benchmark: A composite of 31.5% of the MSCI USA Extended ESG Focus Index, 3.5% of the TIAA ESG USA Small-Cap Index, 8.0% of the MSCI EAFE Extended ESG Focus Index, 2.0% of the MSCI Emerging Markets Extended ESG Focus Index, 25.0% of the Bloomberg Barclays US Aggregate Bond Index, 13.0% of the Bloomberg Barclays US. 1-5 Year Government/Credit Float Adjusted Index, 3.0% of the Bloomberg Barclays Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 1.0 % J.P. Morgan GBI-EM Global Core Index, 13.0% FTSE 3-Month T-Bill Index.

#### **Bloomwell Socially Aware 11-12 Mix**

Benchmark: A composite of 38.25% of the MSCI USA Extended ESG Focus Index, 4.25% of the TIAA ESG USA Small-Cap Index, 10.0% of the MSCI EAFE Extended ESG Focus Index, 2.5% of the MSCI Emerging Markets Extended ESG Focus Index, 23.5% of the Bloomberg Barclays US Aggregate Bond Index, 9.5% of the Bloomberg Barclays US Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 1.0 % J.P. Morgan GBI-EM Global Core Index, 8.5% FTSE 3-Month T-Bill Index.

#### **Bloomwell Socially Aware 9-10 Mix**

Benchmark: A composite of 45.0% of the MSCI USA Extended ESG Focus Index, 5.0% of the TIAA ESG USA Small-Cap Index, 12.0% of the MSCI EAFE Extended ESG Focus Index, 3.0% of the MSCI EMERGING Focus Index, 2.0% of the Bloomberg Barclays US Aggregate Bond Index, 6.0% of the Bloomberg Barclays US Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 1.0 % J.P. Morgan GBI-EM Global Core Index, 4.0% FTSE 3-Month T-Bill Index.

#### **Bloomwell Socially Aware 6-8 Mix**

Benchmark: A composite of 51.75% of the MSCI USA Extended ESG Focus Index, 5.75% of the MSCI Emerging Markets Extended ESG Focus Index, 14.0% of the MSCI Emerging Markets Extended ESG Focus Index, 17.5% of the Bloomberg Barclays US Aggregate Bond Index, 3.0% of the Bloomberg Barclays U.S. 1-5 Year Government/Credit Float Adjusted Index, 1.5% of the Bloomberg Barclays Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD)



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Hedged), 1.0 % J.P. Morgan GBI-EM Global Core Index, 2.0% FTSE 3-Month T-Bill Index.

#### **Bloomwell Socially Aware 3-5 Mix**

Benchmark: A composite of 58.5% of the MSCI USA Extended ESG Focus Index, 6.5% of the TIAA ESG USA Small-Cap Index, 16.0% of the MSCI EAFE Extended ESG Focus Index, 4.0% of the MSCI Emerging Markets Extended ESG Focus Index, 13.0% of the Bloomberg Barclays US Aggregate Bond Index, 1.0% of the Bloomberg Barclays Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 1.0 % J.P. Morgan GBI-EM Global Core Index.

#### **Bloomwell Socially Aware 0-2 Mix**

Benchmark: A composite of 65.5% of the MSCI USA Extended ESG Focus Index, 7.5% of the TIAA ESG USA Small-Cap Index, 17.5% of the MSCI EAFE Extended ESG Focus Index, 4.5% of the MSCI Emerging Markets Extended ESG Focus Index, 5.0% of the Bloomberg Barclays US Aggregate Bond Index.

#### **Bloomwell Core Aggressive Static Mix**

Benchmark: A composite of 50.0% of the S&P 500 Index, 23.0% of the FTSE Developed All Cap ex US Index, 11.0% of the FTSE Emerging Markets All Cap China A Inclusion Index, 13.0% of the Bloomberg Barclays US Aggregated Bond Index, 2.0% of the J.P. Morgan GBI-EM Global Core Index, 1.0% of the FTSE 3-Month T-Bill.

#### **Bloomwell Core Growth Static Mix**

Benchmark: A composite of 39.0% of the S&P 500 Index, 20.0% of the FTSE Developed All Cap ex US Index, 9.0% of the FTSE Emerging Markets All Cap China A Inclusion Index, 23.0% of the Bloomberg Barclays US Aggregated Bond Index, 4.0% of the Bloomberg Barclays U.S. 1-5 Year Government/Credit Float Adjusted Index, 2.0% of the Bloomberg Barclays Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 2.0% of the J.P. Morgan GBI-EM Global Core Index, 1.0% of the FTSE 3-Month T-Bill.

#### **Bloomwell Core Moderate Growth Static Mix**

Benchmark: A composite of 27.0% of the S&P 500 Index, 14.0% of the FTSE Developed All Cap ex US Index, 6.0% of the FTSE Emerging Markets All Cap China A Inclusion Index, 37.0% of the Bloomberg Barclays U.S. 1-5 Year Government/Credit Float Adjusted Index, 2.0% of the Bloomberg Barclays Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 3.0% of the J.P. Morgan GBI-EM Global Core Index, 1.0% of the FTSE 3-Month T-Bill.

#### **Bloomwell Core Moderate Static Mix**

Benchmark: A composite of 20.0% of the S&P 500 Index, 11.0% of the FTSE Developed All Cap ex US Index, 5.0% of the FTSE Emerging Markets All Cap China A Inclusion Index, 43.0% of the Bloomberg Barclays US Aggregated Bond Index, 14.0% of the Bloomberg Barclays U.S. 1-5 Year Government/Credit Float Adjusted Index, 2.0% of the Bloomberg Barclays Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 4.0% of the J.P. Morgan GBI-EM Global Core Index, 1.0% of the FTSE 3-Month T-Bill.

#### **Bloomwell Core Conservative Static Mix**

Benchmark: A composite of 11.0% of the S&P 500 Index, 7.0% of the FTSE Developed All Cap ex US Index, 3.0% of the FTSE Emerging Markets All Cap China A Inclusion Index, 51.0% of the Bloomberg Barclays US Aggregated Bond Index, 25.0% of the Bloomberg Barclays U.S. 1-5 Year Government/Credit Float Adjusted Index, 2.0% of the Bloomberg Barclays Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 1.0% of the FTSE 3-Month T-Bill.

#### **Bloomwell Socially Aware Aggressive Static Mix**

Benchmark: A composite of 44.0% of the MSCI USA Extended ESG Focus Index, 6.0% of the TIAA ESG USA Small-Cap Index, 23.0% of the MSCI EAFE Extended ESG Focus Index, 11.0% of the MSCI Emerging Markets Extended ESG Focus Index, 13.0% of the Bloomberg Barclays US Aggregate Bond Index, 2.0 % J.P. Morgan GBI-EM Global Core Index, 1.0% FTSE 3-Month T-Bill Index.

#### **Bloomwell Socially Aware Growth Static Mix**

Benchmark: A composite of 34.0% of the MSCI USA Extended ESG Focus Index, 5.0% of the TIAA ESG USA Small-Cap Index, 20.0% of the MSCI EAFE Extended ESG Focus Index, 9.0% of the MSCI EMBED Index, 9.0% of the MSCI EMBED Index, 9.0% of the MSCI EMBED Index, 9.0% of the Bloomberg Barclays US Aggregate Bond Index, 4.0% of the Bloomberg Barclays U.S. 1-5 Year Government/Credit Float Adjusted Index, 2.0% of the Bloomberg Barclays Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 2.0 % J.P. Morgan GBI-EM Global Core Index, 1.0% FTSE 3-Month T-Bill Index.

#### **Bloomwell Socially Aware Moderate Growth Static Mix**

Benchmark: A composite of 24.0% of the MSCI USA Extended ESG Focus Index, 3.0% of the TIAA ESG USA Small-Cap Index, 14.0% of the MSCI EAFE Extended ESG Focus Index, 6.0% of the MSCI Emerging Markets Extended ESG Focus Index, 37.0% of the Bloomberg Barclays US Aggregate Bond Index, 10.0% of the Bloomberg Barclays US. 1-5 Year Government/Credit Float Adjusted Index, 2.0% of the Bloomberg Barclays Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD)



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Hedged), 3.0 % J.P. Morgan GBI-EM Global Core Index, 1.0% FTSE 3-Month T-Bill Index.

#### **Bloomwell Socially Aware Moderate Static Mix**

Benchmark: A composite of 18.0% of the MSCI USA Extended ESG Focus Index, 2.0% of the TIAA ESG USA Small-Cap Index, 11.0% of the MSCI EAFE Extended ESG Focus Index, 5.0% of the MSCI Emerging Markets Extended ESG Focus Index, 43.0% of the Bloomberg Barclays US Aggregate Bond Index, 14.0% of the Bloomberg Barclays US. 1-5 Year Government/Credit Float Adjusted Index, 2.0% of the Bloomberg Barclays Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 4.0 % J.P. Morgan GBI-EM Global Core Index, 1.0% FTSE 3-Month T-Bill Index.

#### **Bloomwell Socially Aware Conservative Static Mix**

Benchmark: A composite of 10.0% of the MSCI USA Extended ESG Focus Index, 1.0% of the TIAA ESG USA Small-Cap Index, 7.0% of the MSCI EAFE Extended ESG Focus Index, 3.0% of the MSCI Emerging Markets Extended ESG Focus Index, 51.0% of the Bloomberg Barclays US Aggregate Bond Index, 25.0% of the Bloomberg Barclays US. 1-5 Year Government/Credit Float Adjusted Index, 2.0% of the Bloomberg Barclays Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 1.0% FTSE 3-Month T-Bill Index.



## **Enable Savings Plan**

### **Growth Mix**

Benchmark: A composite of 56.0% of the CRSP U.S. Total Market TR Index, 24.0% of the MSCI All Country World ex-U.S. (Net), 20.0% of the Blmbg. Barc. U.S. Aggregate

#### Moderate

Benchmark: A composite of 42.0% of the CRSP U.S. Total Market TR Index, 18.0% of the MSCI All Country World ex-U.S. (Net), 30.0% of the Blmbg. Barc. U.S. Aggregate Float Adjusted, 5.0% of the Blmbg. Barc. U.S. Gov/Credit Float Adj: 1-5 Year, 5.0% of the Barclays U.S. 0-5 Year TIPS

### **Conservative Mix**

Benchmark: A composite of 21.0% of the CRSP U.S. Total Market TR Index, 9.0% of the MSCI All Country World ex-U.S. (Net), 25.0% of the Blmbg. Barc. U.S. Aggregate, 15.0% of the Blmbg. Barc. U.S. Aggregate, 15.0% of the Blmbg. Barc. U.S. O-5 Year TIPS, 15.0% Citigroup 3 Month T-Bill



## State Farm College Savings Plan

### Age-Based 0-2

Benchmark: A composite of 61.0% of the S&P 500 Index, 10.5% of the S&P Completion Index, 23.25% of the MSCI ACWI ex USA (Net) Index, and 5.25% of the MSCI US REIT Index.

#### Age-Based 3-5

Benchmark: A composite of 58.0% of the S&P 500 Index, 10.0% of the S&P Completion Index, 22.0% of the MSCI US REIT Index.

#### Age-Based 6-8

Benchmark: A composite of 52.0% of the S&P 500 Index, 8.0% of the S&P Completion Index, 20.0% of the MSCI ACWI ex USA (Net) Index, 2.0% Citigroup World Gov't Bond Index ex-USA, 13.0% of the Bloomberg Barclays Capital U.S. Aggregate Index, and 5.0% of the MSCI US REIT Index.

#### Age-Based 9-10

Benchmark: A composite of 46.0% of the S&P 500 Index, 7.0% of the S&P Completion Index, 17.5% of the MSCI ACWI ex USA (Net) Index, 2.5% Citigroup World Gov't Bond Index ex-USA, 17.5% of the Bloomberg Barclays Capital U.S. Govt/Credit 1-5 Float Index, 4.5% of the MSCI US REIT Index, and 2.0% of the Citigroup 3-Month T-Bill Index.

#### Age-Based 11-12

Benchmark: A composite of 40.0% of the S&P 500 Index, 6.0% of the S&P Completion Index, 15.0% of the MSCI ACWI ex USA (Net) Index, 3.0% Citigroup World Gov't Bond Index ex-USA, 22.0% of the Bloomberg Barclays Capital U.S. Govt/Credit 1-5 Float Index, 4.0% of the MSCI US REIT Index, and 4.0% of the Citigroup 3-Month T-Bill Index.

#### Age-Based 13-14

Benchmark: A composite of 34.0% of the S&P 500 Index, 5.0% of the S&P Completion Index, 12.5% of the MSCI ACWI ex USA (Net) Index, 3.5% Citigroup World Gov't Bond Index ex-USA, 23.5% of the Bloomberg Barclays Capital U.S. Govt/Credit 1-5 Float Index, 3.5% of the MSCI US REIT Index, and 8.5% of the Citigroup 3-Month T-Bill Index.

#### Age-Based 15-16

Benchmark: A composite of 28.0% of the S&P 500 Index, 4.0% of the S&P Completion Index, 10.0% of the MSCI ACWI ex USA (Net) Index, 4.0% Citigroup World Gov't Bond Index ex-USA, 25.0% of the Bloomberg Barclays Capital U.S. Govt/Credit 1-5 Float Index, 3.0% of the MSCI US REIT Index, and 13.0% of the Citigroup 3-Month T-Bill Index.

#### Age-Based 17-18

Benchmark: A composite of 22.0% of the S&P 500 Index, 3.0% of the S&P Completion Index, 7.5% of the MSCI ACWI ex USA (Net) Index, 4.0% Citigroup World Gov't Bond Index ex-USA, 26.5% of the Bloomberg Barclays Capital U.S. Aggregate Index, 15.0% of the Bloomberg Barclays Capital U.S. Govt/Credit 1-5 Float Index, 2.5% of the Bloomberg Barclays Capital U.S. Treasury: U.S. TIPS 0-5 Year Index, 2.5% of the MSCI US REIT Index, and 17.0% of the Citigroup 3-Month T-Bill Index.

#### Age-Based 19+

Benchmark: A composite of 16.0% of the S&P 500 Index, 2.0% of the S&P Completion Index, 5.0% of the MSCI ACWI ex USA (Net) Index, 4.0% Citigroup World Gov't Bond Index ex-USA, 28.0% of the Bloomberg Barclays Capital U.S. Govt/Credit 1-5 Float Index, 5.0% of the Bloomberg Barclays Capital U.S. Treasury: U.S. TIPS 0-5 Year Index, 2.0% of the MSCI US REIT Index, and 21.0% of the Citigroup 3-Month T-Bill Index.

#### **All Equity Static**

Benchmark: A composite of 61.0% of the S&P 500 Index, 10.5% of the S&P Completion Index, 23.25% of the MSCI ACWI ex USA (Net) Index, and 5.25% of the MSCI US REIT Index.

#### **Growth Static**

Benchmark: A composite of 52.0% of the S&P 500 Index, 8.0% of the S&P Completion Index, 20.0% of the MSCI ACWI ex USA (Net) Index, 2.0% Citigroup World Gov't Bond Index ex-USA, 13.0% of the Bloomberg Barclays Capital U.S. Aggregate Index, and 5.0% of the MSCI US REIT Index.

#### **Moderate Growth Static**



## State Farm College Savings Plan

Benchmark: A composite of 40.0% of the S&P 500 Index, 6.0% of the S&P Completion Index, 15.0% of the MSCI ACWI ex USA (Net) Index, 3.0% Citigroup World Gov't Bond Index ex-USA, 22.0% of the Bloomberg Barclays Capital U.S. Govt/Credit 1-5 Float Index, 4.0% of the MSCI US REIT Index, and 4.0% of the Citigroup 3-Month T-Bill Index.

#### **Balanced Static**

Benchmark: A composite of 34.0% of the S&P 500 Index, 5.0% of the S&P Completion Index, 12.5% of the MSCI ACWI ex USA (Net) Index, 3.5% Citigroup World Gov't Bond Index ex-USA, 23.5% of the Bloomberg Barclays Capital U.S. Govt/Credit 1-5 Float Index, 3.5% of the MSCI US REIT Index, and 8.5% of the Citigroup 3-Month T-Bill Index.

#### **Conservative Static**

Benchmark: A composite of 16.0% of the S&P 500 Index, 2.0% of the S&P Completion Index, 5.0% of the MSCI ACWI ex USA (Net) Index, 4.0% Citigroup World Gov't Bond Index ex-USA, 28.0% of the Bloomberg Barclays Capital U.S. Aggregate Index, 17.0% of the Bloomberg Barclays Capital U.S. Treasury: U.S. TIPS 0-5 Year Index, 2.0% of the MSCI US REIT Index, and 21.0% of the Citigroup 3-Month T-Bill Index.



## In-House Trusts & Operating Investment Pool

#### **Aeronautics and Agricultural Development Funds**

Benchmark: The Bloomberg Barclays U.S. Treasury Index.

#### **Internal Short-Term Liquidity Pool**

Benchmark: As of January 2019, the Bloomberg Barclays U.S. Treasury Bellwethers: 3 month Index. As of March 2018, the ICE BofAML 3 month U.S. T-Bill. As of June 2009, the FTSE 1-month CD. As of October 1997, the 90-Day T-Bill + 90 basis points.

#### Operating Investment Pool (Internal Government/Corporate)

Benchmark: As of January 2019, 60% of the Bloomberg Barclays U.S. Government Intermediate Index and 40% of the Bloomberg Barclays Intermediate Corp ex Baa TR Index. As of March 2014, 60% of the ICE BofAML 1-10 Year Treasury Index and 40% of the ICE BofAML 1-10 year AAA-A U.S. Corporate Index. Prior to March 2014, the Bloomberg Barclays U.S. Intermediate U.S. Government/Credit Index.

#### **Total Operating Investment Pool**

Benchmark: As of January 2019, 15% Bloomberg Barclays U.S. Treasury Bellwethers: 3 month, 51% Bloomberg Barclays U.S. Government: Intermediate and 34% Bloomberg Barclays Intermediate Corp Ex Baa TR Index. As of March 2018, 15% ICE BofAML 1-10 Year Treasury Index and 34% ICE BofAML 1-10 Year AAA-A U.S. Corporate Index. As of March 2014, 15% FTSE 1-month CD, 51% ICE BofAML 1-10 Year Treasury Index and 34% ICE BofAML 1-10 Year AAA-A U.S. Corporate Index. As of October 2011, 85% of the Bloomberg Barclays Intermediate Government/Corp Index and 15% of the FTSE 1-month CD. As of June 2009, 90% of the Bloomberg Barclays Intermediate Government/Credit Index and 10% of the FTSE 1-month CD. As of October 1997, the benchmark consisted of 85% of the ICE BofAML 1-3 Yr. Gov/Corp and 50% of the 90-Day T-Bill + 90 basis points.



### **Endowment Pool**

#### **Health Care Endowment**

Benchmark: As of September 2018, a composite of 30.5% of the DJ U.S. Total Stock Market Index. 13.0% of the MSCI All Country World ex-U.S. IMI, 21.5% of the MSCI All Country World IMI, 25.0% of the Bloomberg Barclays Intermediate Government/Credit Index. 5.0% of the NCREIF ODCE Index, and 5.0% of the Dow U.S. Total Stock Market Index + 3%, As of January 2016, a composite of 40.0% of the DJ U.S. Total Stock Market Index, 15.0% of the MSCI All Country World ex-U.S. IMI. 10.0% of the MSCI All Country World IMI, 22.5% of the Bloomberg Barclays Intermediate Government/Credit Index, 2.5% of the Citigroup 30-Day CD, 5.0% of the NCREIF ODCE Index, and 5.0% of the Dow U.S. Total Stock Market Index + 3%. As of October 2015, a composite of 40.0% of the DJ U.S. Total Stock Market Index, 15.0% of the MSCI All Country World ex-U.S. IMI, 10.0% of the MSCI All Country World IMI, 22.5% of the Bloomberg Barclays Intermediate Government/Credit Index, 2.5% of the Citigroup 30-Day CD, 5.0% of the NCREIF Property Index, and 5.0% of the Dow U.S. Total Stock Market Index + 3%. As of October 2014, a composite of 41.0% of the DJ U.S. Total Stock Market Index, 15.0% of the MSCI All Country World ex-U.S. IMI, 10.0% of the MSCI All Country World IMI, 22.5% of the Bloomberg Barclays Intermediate Government/Credit Index, 2.5% of the Citigroup 30-Day CD, 5.0% of the real estate component benchmark, and 4.0% of the Dow U.S. Total Stock Market Index + 3% As of July 2014, a composite of 42.0% of the DJ U.S. Total Stock Market Index, 15.0% of the MSCI All Country World ex-U.S. IMI, 10.0% of the MSCI All Country World IMI, 22.5% of the Bloomberg Barclays Intermediate Government/Credit Index, 2.5% of the Citigroup 30-Day CD, 5.0% of the real estate component benchmark, and 3.0% of the Dow U.S. Total Stock Market Index + 3%, As of October 2012, a composite of 43.0% of the DJ U.S. Total Stock Market Index, 15.0% of the MSCI All Country World ex-U.S. IMI, 10.0% of the MSCI All Country World IMI, 22.5% of the Bloomberg Barclays Intermediate Government/Credit Index, 2.5% of the Citigroup 30-Day CD, 5.0% of the real estate component benchmark, and 2.0% of the Dow U.S. Total Stock Market Index + 3%. As of January 2012, a composite of 45.0% of the DJ U.S. Total Stock Market Index, 15.0% of the MSCI All Country World ex-U.S. IMI, 10.0% of the MSCI All Country World IMI, 22.5% of the Bloomberg Barclays Intermediate Government/Credit Index, 2.5% of the Citigroup 30-Day CD, 4.0% of the real estate component benchmark, and 1.0% of the Dow U.S. Total Stock Market Index + 3%. As of October 2011, a composite of 46.0% of the DJ U.S. Total Stock Market Index, 15.0% of the MSCI All Country World ex-U.S. IMI, 10.0% of the MSCI All Country World IMI, 22.5% of the Bloomberg Barclays Intermediate Government/Credit Index, 2.5% of the Citigroup 30-Day CD, 3.0% of the real estate component benchmark, and 1.0% of the Dow U.S. Total Stock Market Index + 3%. As of October 2010, a composite of 48.0% of the DJ U.S. Total Stock Market Index, 15.0% of the MSCI All Country World ex-U.S. IMI, 10.0% of the MSCI All Country World IMI, 22.5% of the Bloomberg Barclays Intermediate Government/Credit Index. 2.5% of the Citigroup 30-Day CD, and 2.0% of the real estate component benchmark. As of August 2010, a composite of 50.0% of the DJ U.S. Total Stock Market Index. 15.0% of the MSCI All Country World ex-U.S. IMI, 10.0% of the MSCI All Country World IMI, 22.5% of the Bloomberg Barclays Intermediate Government/Credit Index and 2.5% of the Citigroup 30-Day CD. As of January 2009, a composite of 50.0% of the DJ U.S. Total Stock Market Index, 15.0% of the MSCI All Country World ex-U.S. Index, 10.0% of the MSCI All Country World Index, 22.5% of the Bloomberg Barclays Intermediate Government/Credit Index and 2.5% of the Citigroup 30-Day CD. As of September 2005, a composite of 55.75% of the DJ U.S. Total Stock Market Index, 15,75% of the MSCI All Country World ex-U.S. Index, 3,5% of the MSCI All Country World Index, 22,5% of the Bloomberg Barclays Intermediate Government/Credit Index and 2,5% of the Citigroup 30-Day CD. Prior to September 2005, a composite of 56.25% of the DJ U.S. Total Stock Market Index, 18.75% of the MSCI All Country World ex-U.S. Index, 22.5% of the Bloomberg Barclays Intermediate Government/Credit Index and 2.5% of the Citigroup 30-Day CD. Prior to June 2004, the benchmark was a composite of 56.25% of the DJ U.S. Total Stock Market Index, 18.75% of the MSCI EAFE + Canada Index, 22.5% of the Bloomberg Barclays Intermediate Government/Credit Index and 2.5% of the Citigroup 30-Day CD. Prior to April 2004. the benchmark was a composite of 56.25% of the DJ U.S. Total Stock Market Index, 18.75% of the MSCI EAFE Index, 22.5% of the Bloomberg Barclays Intermediate Government/Credit Index and 2.5% of the Citigroup 30-Day CD.

#### 50/50 Endowments

Benchmark: As of September 2018, a composite of 19.0% of the DJ U.S. Total Stock Market Index, 8.0% of the MSCI All Country World ex-U.S. IMI, 13.0% of the MSCI All Country World IMI, 50.0% of the fixed income component benchmark, 5.0% of the NCREIF ODCE Index, and 5.0% of the DJ U.S. Total Stock Market Index + 3%, As of April 2016, a composite of 25.0% of the DJ U.S. Total Stock Market Index, 10.0% of the MSCI All Country World ex-U.S. IMI, 5.0% of the MSCI All Country World IMI. 50.0% of the fixed income component benchmark, 5.0% of the NCREIF ODCE Index, and 5.0% of the DJ U.S. Total Stock Market Index + 3%. As of January 2016, a composite of 26.0% of the DJ U.S. Total Stock Market Index, 10.0% of the MSCI All Country World ex-U.S. IMI, 5.0% of the MSCI All Country World IMI, 50.0% of the fixed income component benchmark, 4.0% of the NCREIF ODCE Index, and 5.0% of the DJ U.S. Total Stock Market Index + 3%, As of July 2015, a composite of 26.0% of the DJ U.S. Total Stock Market Index, 10.0% of the MSCI All Country World ex-U.S. IMI, 5.0% of the MSCI All Country World IMI, 50.0% of the fixed income component benchmark, 4.0% of the NCREIF Property Index, and 5.0% of the DJ U.S. Total Stock Market Index + 3%. As of October 2014, a composite of 27.0% of the DJ U.S. Total Stock Market Index, 10.0% of the MSCI All Country World ex-U.S. IMI, 5.0% of the MSCI All Country World IMI, 50.0% of the fixed income component benchmark, 4.0% of the real estate component benchmark, and 4.0% of the DJ U.S. Total Stock Market Index + 3%. As of April 2014, a composite of 28.0% of the DJ U.S. Total Stock Market Index, 10.0% of the MSCI All Country World ex-U.S. IMI, 5 World IMI, 50.0% of the fixed income component benchmark, 4.0% of the real estate component benchmark, and 3.0% of the DJ U.S. Total Stock Market Index + 3%. As of January 2013, a composite of 29.0% of the DJ U.S. Total Stock Market Index, 10.0% of the MSCI All Country World ex-U.S. IMI, 5.0% of the MSCI All Country World IMI, 50.0% of the fixed income component benchmark, 4.0% of the real estate component benchmark, and 2.0% of the DJ U.S. Total Stock Market Index + 3%, As of January 2012, a composite of 30.0% of the DJ U.S. Total Stock Market Index, 10.0% of the MSCI All Country World ex-U.S. IMI, 5.0% of the MSCI All Country World IMI, 50.0% of the fixed income component benchmark, 4.0% of the real estate component benchmark, and 1.0% of the DJ U.S. Total Stock Market Index + 3%. As of July 2011, a composite of 32.0% of the DJ U.S. Total Stock Market Index, 10.0% of the MSCI All Country World ex-U.S. IMI, 5.0% of the MSCI All Country World IMI, 50.0% of the fixed income component benchmark, and 3.0% of the real estate component benchmark, As of January 2011, a composite of 33.0% of the DJ U.S. Total Stock Market Index. 10.0% of the MSCI All Country World ex-U.S. IMI, 5.0% of the MSCI All Country World IMI, 50.0% of the fixed income component benchmark, and 2.0% of the real estate component benchmark. As of August 2010, a composite of 34.0% of the DJ U.S. Total Stock Market Index, 10.0% of the MSCI All Country World ex-U.S. IMI, 5.0% of the MSCI All Country World IMI, 50.0% of the fixed income component benchmark, and 1.0% of the real estate component benchmark, As of April 2009, a composite of 34.0% of the DJ U.S. Total Stock Market Index, 10.0% of the MSCI All Country World ex-U.S. Index, 5.0% of the MSCI All Country World Index, 50.0% of the fixed income component benchmark, and 1.0% of the real estate component benchmark, As of January 2009, a composite of 35.0% of the DJ U.S. Total Stock Market Index, 10.0% of the MSCI All Country World ex-U.S. Index, 5.0% of the MSCI All Country World Index and 50.0% of the fixed income component benchmark. As of September 2005, a composite of 37.625% of the DJ U.S. Total Stock Market Index, 10.125% of the MSCI All Country World ex-U.S. Index, 2.25% of the MSCI All Country World Index and 50% of the fixed income component benchmark. Prior to September 2005, a composite of 37.5% of the DJ U.S. Total Stock Market Index, 12.5% of the MSCI All Country World ex -U.S Index, and 50% of the fixed income component benchmark. Prior to April 2005, the benchmark was a composite of 37.5% of the DJ U.S. Total Stock Market Index, 12.5% of the MSCI All Country World ex-U.S Index and 50% of the Bloomberg Barclays Aggregate Bond Index. Prior to June 2004, the benchmark was a composite of 37.5% of the DJ U.S. Total Stock Market Index, 12.5% of the MSCI EAFE + Canada Index and 50% of the Bloomberg Barclays Aggregate Bond Index. Prior to April 2004, the



### **Endowment Pool**

benchmark was a composite of 37.5% of the DJ U.S. Total Stock Market Index, 12.5% of the MSCI EAFE Index and 50% of the Bloomberg Barclays Aggregate Bond Index.

#### **Excess Liability Fund**

Benchmark: As of May 1, 2022, 70% Bloomberg U.S. Aggregate Index and 30% 50/50 Custom Return Seeking Fixed Income Benchmark. Prior to May 1, 2022, the Bloomberg Barclays Universal Bond Index. Prior to March 31, 2005, the Bloomberg Barclays Aggregate Bond Index.

#### **Fixed Income Component**

Benchmark: As of May 1, 2022, 70% Bloomberg U.S. Aggregate Index and 30% 50/50 Custom Return Seeking Fixed Income Benchmark. Prior to May 1, 2022, the Bloomberg Barclays Universal Bond Index. Prior to March 31, 2005, the Bloomberg Barclays Aggregate Bond Index.

#### DFA

Benchmark: The Russell 2000 Index. Prior to April 2014, the Russell 2000 Value Index. Prior to August 2006, the Wilshire Small-Cap Value Style Index.

#### **Blackrock Russell 1000 (Healthcare Endowment)**

Benchmark: The Russell 1000 Index.

#### Blackrock Russell 1000 Value Index

Benchmark: The Russell 1000 Value Index.

#### Non-U.S. Equity Component

Benchmark: The MSCI All Country World ex-U.S. IMI. Prior to August 2010, the MSCI All Country World ex-U.S. Index.

#### BlackRock All Country World ex-U.S. IMI

Benchmark: The MSCI All Country World ex-U.S. IMI. Prior to June 2011, the MSCI EAFE + Canada Index.

### **Baillie Gifford**

Benchmark: The MSCI Emerging Markets Index.

#### **Global Equity Component**

Benchmark: The MSCI All Country World IMI. Prior to August 2010, the MSCI All Country World Index.

#### MFS

Benchmark: The MSCI All Country World IMI. Prior to May 2012, the MSCI All Country World Index.

#### **Blackrock ACWI IMI**

Benchmark: The MSCI All Country World IMI.

#### **Wellington Equity**

Benchmark: MSCI All Country World Small Cap (Net).

#### Dodge & Cox

Benchmark: MSCI All Country World Index IMI

#### **Fixed Income Component**

Benchmark: As of May 1, 2022, 70% Bloomberg U.S. Aggregate Index and 30% 50/50 Custom Return Seeking Fixed Income Benchmark. Prior to May 1, 2022, the Bloomberg Barclays Universal Bond Index. Prior to March 31, 2005, the Bloomberg Barclays



### **Endowment Pool**

Aggregate Bond Index.

#### 50/50 Custom RS Fixed Income Benchmark

Benchmark: Consists of 50% Bloomberg U.S. Credit Index, 30% ICE BofA ML HY Master II Index, and 20% JP Morgan EMBI Global Diversified Index.

#### **Loomis Savles**

Benchmark: The Bloomberg Barclays Universal Index. Prior to August 2010, the benchmark was the Bloomberg Barclays High Yield Index.

### **Blackrock Aggregate Bond Index**

Benchmark: The Bloomberg Barclays Aggregate Index.

#### **PIMCO Core Plus**

<u>Benchmark:</u> In April 2022, the account underwent a transition. The benchmark return in April is a combination of the legacy benchmark return (Bloomberg Universal), actual account performance, and the new benchmark return (Bloomberg U.S. Aggregate). Post April 2022, the benchmark is the Bloomberg U.S. Aggregate Index.

#### Baird

Benchmark: Actual Fund performance for May 2022. Post May 2022, the Bloomberg U.S. Aggregate Index.

### **PIMCO Diversified Income**

<u>Benchmark:</u> Consists of 33.3% JP Morgan EMBI Global Diversified Index, 33.3% Bloomberg Global Aggregate Credit Index ex Emerging Markets (USD hedged), and 33.3% BofA ML BB/B Rated Developed Markets High Yield Constrained Index (USD hedged).



### **OSERS**

#### **OSERS**

Policy Index: Beginning April 1, 2017, the Policy Index will be calculated monthly based on weightings of each underlying benchmark for the respective composites from previous month close. Prior to April 1, 2017, 7.0% Russell 1000 Index, 3.0% U.S Equity Allocation Index, 5.5% MSCI World ex USA Index (net), 2.5% MSCI Emerging Markets Index, 2.5% MSCI Emerging Markets Small Cap Index, 10.0% MSCI AC World Index (Net), 10.0% NCREIF Property Index, 21.0% Burgiss All US PE (1 Qtr-Lag), 10.0% HFRI RV: Multi-Strategy Index, 7.0% Bloomberg Barclays U.S. Aggregate Index, 2.5% Bloomberg Barclays U.S. TIPS Index, 9.0% Bloomberg Barclays Global Aggregate index, 5.0% 60/40 MSCI World/JPM GBI Index, 5.0% 60/40 MSCI World/JPM GBI Index, 5.0% 60/40 MSCI ACWI/BImbg. Barc. U.S. Agg Index. Prior to October 1, 2016, performance history was calculated by NEPC.

#### **U.S. Equity Composite**

Benchmark: Beginning April 1, 2017, the Custom U.S. Equity Benchmark is composed of the Dow Jones U.S. Total Stock Market. Prior to April 1, 2017, the benchmark was calculated monthly based on the weightings of each underlying benchmark for the respective managers in the composite from previous month close.

#### **Global Equity Composite**

Benchmark: Beginning April 1, 2017, the Custom Global Equity Benchmark is composed of the MSCI ACWI IMI Net. Prior to April 1, 2017, the benchmark was calculated monthly based on the weightings of each underlying benchmark for the respective managers in the composite from previous month close.

#### **International Equity Composite**

Benchmark: The MSCI ACWI ex U.S. IMI Net

#### **Fixed Income Composite**

Benchmark: As of May 2022, the Custom Fixed Income Benchmark will be calculated monthly based on weightings of each underlying benchmark from previous month close. As of April 1, 2017, the Bloomberg Barclays Universal Index. Prior to April 1, 2017, Bloomberg Barclays Aggregate Index.

#### **Total Core Fixed Income**

Benchmark: The Bloomberg U.S. Aggregate Index.

#### **Total Return Seeking Custom Fixed Income**

Benchmark: As of May 2022, 25% Bloomberg U.S. Credit Index, 25% ICE BofA ML HY Master II Index, 25% JP Morgan EMBI Global Diversified Index, 25% Credit Suisse Global Leveraged Loan Index (USD hedged).

#### **Private Equity Composite**

Benchmark: The Burgiss All US PE (1-Qtr Lag) Index.

#### **Real Asset Composite**

Benchmark: Beginning April 1, 2017, the Custom Real Asset Benchmark is composed of the Burgiss All US PE (1-Qrt Lag) Index and NCREIF Timberland Index. Prior to April 1, 2017, The Alerian MLP Index and the NCREIF Timberland Index.

#### **Hedge Fund Composite**

Benchmark: The HFRI RV: Multi-Strategy Index.

**OSERS** 

### Real Estate Composite

Benchmark: The NCREIF Property Index.

## Other Terms & Descriptions

#### Rank

A representation of the percentile position of the performance of a given portfolio, relative to a universe of similar funds. For example, a rank of 25 for a given manager indicates outperformance, by that manager, of 75% of other Funds in that universe.

### Universe

A distribution of the returns achieved by a group of funds with similar investment objectives.

#### **Ratio of Cumulative Wealth**

An illustration of a portfolio's cumulative, unannualized performance relative to that of its benchmark. An upward sloping line indicates fund outperformance. Conversely, a downward sloping line indicates underperformance by the fund. A flat line is indicative of benchmark-like performance.

#### Risk-Return

The horizontal axis, annualized standard deviation, is a statistical measure of risk, or the volatility of returns. The vertical axis is the annualized rate of return. As most investors generally prefer less risk to more risk and always prefer greater returns, the upper left corner of the graph is the most attractive place to be. The line on this exhibit represents the risk and return trade-offs associated with market portfolios, or index funds.



## Notes

- The rates of return contained in this report are shown on an after-fees basis unless otherwise noted. They are geometric and time-weighted. Returns for periods longer than one year are annualized.
- Universe percentiles are based upon an ordering system in which 1 is the best ranking and 100 is the worst ranking.
- Due to rounding throughout the report, percentage totals displayed may not sum to 100%. Additionally, individual fund totals in dollar terms may not sum to the plan total.



## **Disclaimer**

#### Past performance is not necessarily indicative of future results.

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