

## Nebraska Investment Council | Fourth Quarter 2021

# **Quarterly Investment Review**

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Visit our new video library with our views on key investment topics for this quarter using access code "aon!" (https://site-494121.bcvp0rtal.com/category/videos/key-topics-by-investor-type)



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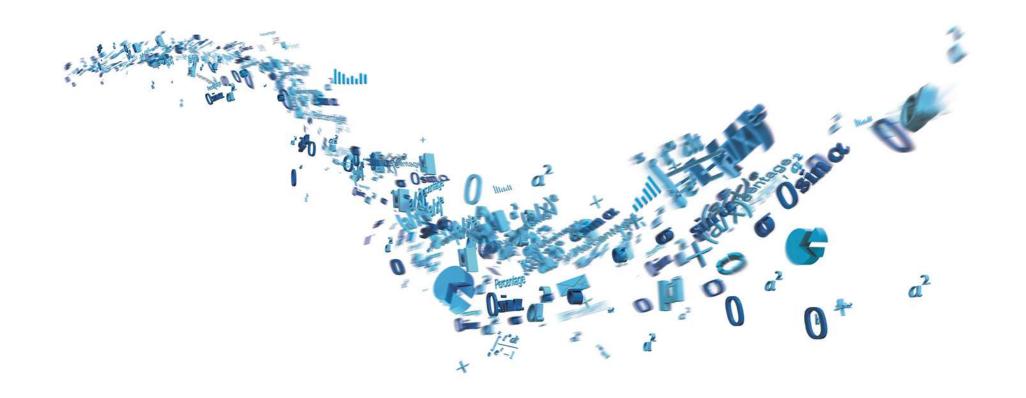
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# **Market Environment**



## **Aon Investments' Key Themes for Public Funds**

### **Market Environment**

- Trillions more in government spending likely; fiscal spending is expected to become a detractor to growth
- Peak growth has passed, and we expect the future to move away from recovery to normalcy
- Persistent inflation is becoming a larger risk
- Peak monetary stimulus will be withdrawn over the next few years, raising questions about how markets will react
- Risks for equities rise over the medium-term

### **Current Investment Themes**

- Now is a good time to think about de-risking public equity portfolios, and this can be done in many ways
- Re-assess the value of traditional diversifying assets, such as government bonds; their benefit might not be as large as thought
- Emphasize risk premiums in markets in which others may not readily invest. For example, alternative credits and other alternative strategies

## **Long-Term Strategy**

- Review investment and liquidity implications if budget pressures raise questions about the reliability of future contributions or there are pressures on the actuarial discount rate
- Consider idiosyncratic diversifiers such as private credit, opportunistic credit,
   China A-shares, infrastructure, and segments of the real estate market. Consider adding an Opportunity Allocation.
- Review the expected return on assets assumption to ensure it is in-line with best estimates

The opinions referenced are as of December 31, 2021 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.

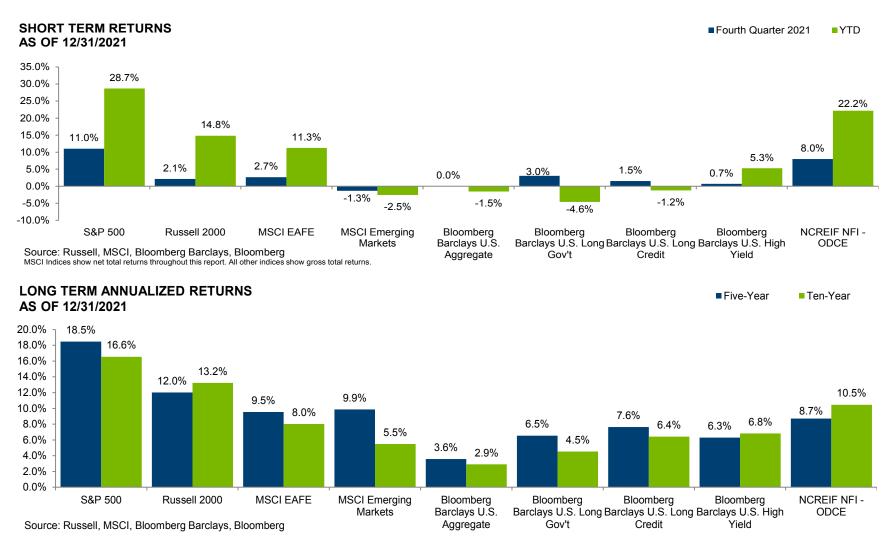


	Thought Leadership Highlights – Public Funds	
Aon United	COP26 post-mortem and investment implications	<u>Link</u>
Aon United	Health Solutions Survey on Vaccination Trends	<u>Link</u>
Aon United	Operational Diligence: Due for a Change? (Part 1)	<u>Link</u>
Market View	US Inflation: Should Markets be worried?	<u>Link</u>
Market View	Prospects for Equities: Fading slowly but surely	<u>Link</u>
Market View	Recent Developments in China: Three Questions with Lucinda Downing	<u>Link</u>
Market View	Quarterly Market Review and Outlook Video (access code 'aon!')	Link to Video
Market View	U.S. Month in Markets	<u>Link</u>
Market View	Quarterly Investment Outlook	<u>Link</u>
Quarterly Outlook	Key Topic for Public Funds in Q4 2021 (3-minute video, access code 'aon!')	Link to Video
Plan Design	3Qs on Expected Returns for Public Funds	Request from Consultant
Plan Design	Aon Employee Financial Wellbeing and DC Survey Report	<u>Link</u>
Plan Design	GP-led Secondaries and Continuation Vehicles: Three Questions with Oliver Graham and Katherine Montague	<u>Link</u>
Plan Design	Expected Return Assumptions for Public Funds: Three Questions with John Sullivan	<u>Link</u>
Plan Design	ESG Engagement: Three Questions with Connie Johnson	<u>Link</u>
Plan Design	White Paper: The Benefits of ESG Integration	<u>Link</u>
Plan Design	Inflation-Protecting Assets: 3 Questions with Sheila Noonan	<u>Link</u>
Legal & Compliance	Legal & Compliance quarterly update newsletter (6 minute audio summary, access code 'aon!')	Link to Article Link to Audio Summary

If you do not get Aon Investments' monthly email newsletter, but would like to, please ask your consultant.



## **Market Highlights**



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

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## **Market Highlights**

Returns of the Major Capital Markets										
Period Ending 12/31/2021	Fourth Quarter	YTD	1-Year	3-Year¹	5-Year <sup>1</sup>	10-Year <sup>1</sup>				
quity	_									
ISCI All Country World IMI	6.10%	18.22%	18.22%	20.20%	14.12%	11.84%				
ISCI All Country World	6.68%	18.54%	18.54%	20.38%	14.40%	11.85%				
low Jones U.S. Total Stock Market	9.14%	25.66%	25.66%	25.72%	17.92%	16.24%				
tussell 3000	9.28%	25.66%	25.66%	25.79%	17.97%	16.30%				
&P 500	11.03%	28.71%	28.71%	26.07%	18.47%	16.55%				
tussell 2000	2.14%	14.82%	14.82%	20.02%	12.02%	13.23%				
ISCI All Country World ex-U.S. IMI	1.64%	8.53%	8.53%	13.62%	9.83%	7.57%				
ISCI All Country World ex-U.S.	1.82%	7.82%	7.82%	13.18%	9.61%	7.28%				
SCI EAFE	2.69%	11.26%	11.26%	13.54%	9.55%	8.03%				
ISCI EAFE (Local Currency)	3.91%	18.70%	18.70%	13.35%	8.36%	10.09%				
ISCI Emerging Markets	-1.31%	-2.54%	-2.54%	10.94%	9.87%	5.49%				
quity Factors										
ISCI World Minimum Volatility (USD)	7.00%	14.84%	14.84%	13.70%	11.34%	11.02%				
ISCI World High Dividend Yield	7.17%	16.81%	16.81%	13.61%	10.27%	9.70%				
ISCI World Quality	10.32%	26.10%	26.10%	28.37%	20.53%	16.00%				
ISCI World Momentum	5.84%	14.95%	14.95%	23.80%	19.69%	15.72%				
ISCI World Enhanced Value	4.19%	20.77%	20.77%	11.84%	8.28%	9.66%				
ISCI World Equal Weighted	3.10%	15.40%	15.40%	16.53%	11.58%	11.07%				
ISCI World Index Growth	8.19%	21.40%	21.40%	29.76%	21.31%	16.06%				
ixed Income										
loomberg Barclays Global Aggregate	-0.67%	-4.71%	-4.71%	3.59%	3.36%	1.77%				
loomberg Barclays U.S. Aggregate	0.01%	-1.54%	-1.54%	4.79%	3.57%	2.90%				
loomberg Barclays U.S. Long Gov't	3.05%	-4.57%	-4.57%	8.78%	6.53%	4.53%				
loomberg Barclays U.S. Long Credit	1.52%	-1.18%	-1.18%	11.37%	7.64%	6.42%				
loomberg Barclays U.S. Long Gov't/Credit	2.15%	-2.52%	-2.52%	10.62%	7.39%	5.72%				
loomberg Barclays U.S. TIPS	2.36%	5.96%	5.96%	8.44%	5.34%	3.09%				
loomberg Barclays U.S. High Yield	0.71%	5.28%	5.28%	8.83%	6.30%	6.83%				
loomberg Barclays Global Treasury ex U.S.	-1.45%	-8.17%	-8.17%	1.86%	2.74%	0.44%				
P Morgan EMBI Global (Emerging Markets)	0.02%	-1.51%	-1.51%	6.06%	4.47%	4.95%				
commodities	0.02 //	1.0170	1.5170	0.0070	1.17,0	1.0070				
loomberg Commodity Index	-1.56%	27.11%	27.11%	9.86%	3.66%	-2.85%				
Soldman Sachs Commodity Index	1.51%	40.35%	40.35%	7.99%	2.80%	-5.50%				
ledge Funds	1.5170	10.0070	10.0070	1.5576	2.00 %	0.0070				
FRI Fund-Weighted Composite <sup>2</sup>	0.56%	10.30%	10.30%	10.86%	7.10%	5.79%				
IFRI Fund of Funds <sup>2</sup>	0.77%	6.53%	6.53%	8.59%	5.78%	4.59%				
Real Estate	0.1170	0.0070	0.0070	0.0070	0.1070	1.0070				
IAREIT U.S. Equity REITS	16.31%	43.24%	43.24%	18.41%	10.75%	11.38%				
CREIF NFI - ODCE	7.97%	22.17%	22.17%	9.20%	8.71%	10.45%				
TSE Global Core Infrastructure Index	10.03%	17.84%	17.84%	13.91%	11.35%	10.23%				
rivate Equity										
urgiss Private iQ Global Private Equity <sup>3</sup>			54.98%	22.55%	20.17%	15.22%				

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

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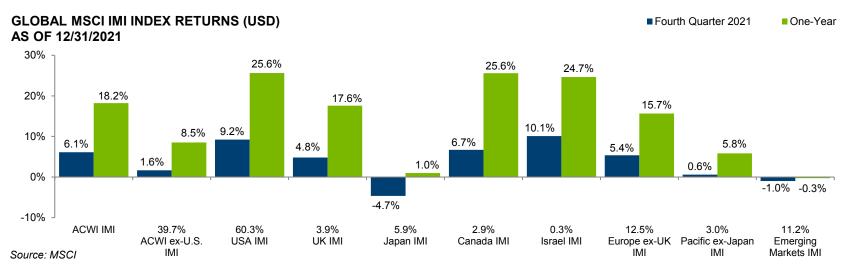


<sup>Periods are annualized.

Latest 5 months of HFR data are estimated by HFR and may change in the future.

Burgiss Private iQ Global Private Equity data is as of June 30, 2021</sup> 

## **Global Equity Markets**



- In the fourth quarter, renewed fears as to whether the economy would be strained by the latest Covid variant, Omicron, surfaced. Global inflation pressures intensified, beckoning many central banks to pivot toward tighter monetary policy. However, equity markets shrugged off these risks, posting positive gains in Q4 2021. The MSCI All Country World Investable Market Index (ACWI IMI) returned 6.1% for the quarter and was up 18.2% on the year.
- Across international markets, most regions were strong with only Japanese and Emerging Markets equities down on the quarter. Japanese equities were the worst performer with a return of -4.7%.
- Emerging Markets returned -1.0% for the fourth quarter Brazil and China weighed on the region. Chinese GDP slowed to an annualized 4.9% in the third quarter, missing economists' expectations of 5.2%, and down from 7.9% GDP in the second quarter.



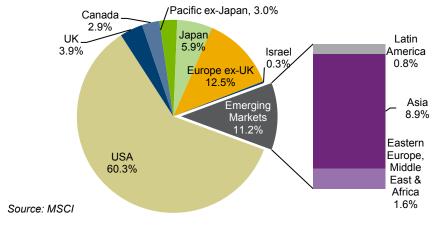
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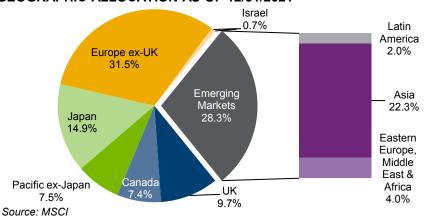
## **Global Equity Markets**

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 ALLOCATION AS OF 12/31/2021



# MSCI ALL COUNTRY WORLD EX-U.S. IMI INDEX GEOGRAPHIC ALLOCATION AS OF 12/31/2021



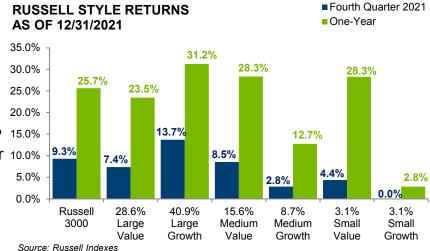
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## **U.S. Equity Markets**

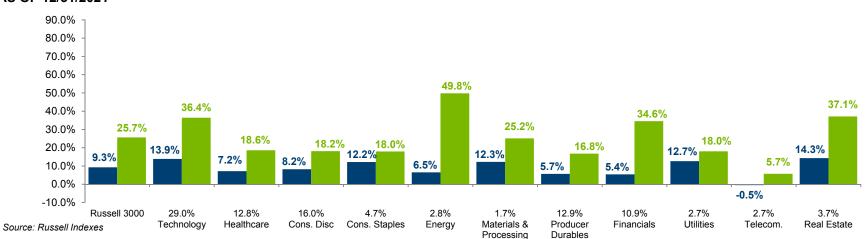
- U.S. equities had a strong quarter with the S&P 500 index returning 11.0%.
- The Russell 3000 Index rose 9.3% during the fourth quarter and was up 25.7% over the trailing one-year period. Performance among sectors was generally positive. Real Estate and Technology were the best performers while the Telecommunication sector was the worst performer at -0.5%
- Large and medium cap stocks outperformed small caps over 10.0% the quarter. On a style basis, value outperformed growth within medium and small-cap stocks over the quarter and trailing one-year period. However, large cap growth equities led value for the quarter and trailing one-year period.



■ Fourth Quarter 2021

One-Year





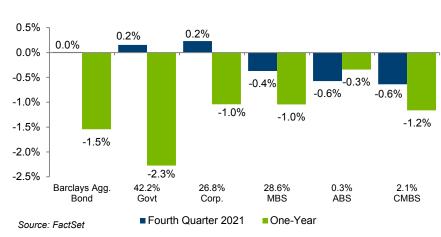
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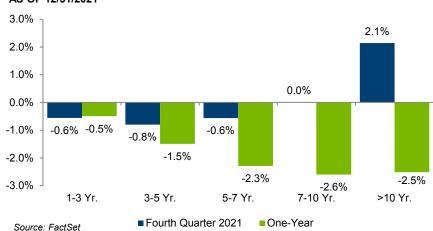
## **U.S. Fixed Income Markets**

## BLOOMBERG BARCLAYS AGGREGATE RETURNS BY SECTOR AS OF 12/31/2021



- The Bloomberg Barclays U.S. Aggregate Bond Index was flat over the quarter and down -1.5% over the past year.
- Across durations, only 10+ years maturity bonds finished the quarter in positive territory while all other maturities were negative.
- Within investment-grade bonds, lower-credit quality outperformed higher-quality issues on the margin, with Baa bonds rising by 0.3%. High yield bonds rose by 0.7%.

## BLOOMBERG BARCLAYS AGGREGATE RETURNS BY MATURITY AS OF 12/31/2021



## BLOOMBERG BARCLAYS AGGREGATE RETURNS BY QUALITY AND HIGH YIELD RETURNS AS OF 12/31/2021





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



- The U.S. Treasury yield curve flattened with the short-end of the curve rising and longer duration yields falling. Shorter tenors (i.e., the 2-year and 5-year) began to factor in potential monetary policy changes and saw notable increases. However, the 10-year U.S. Treasury yield ended the quarter flat at 1.52% while the 30-year yield fell by 18bps to 1.90% due to uncertainty surrounding the risks of lower growth and tighter monetary policy.
- The Federal Reserve indicated that it would accelerate the withdrawal of its monthly asset purchase program, reducing bond purchases by \$30bn a month after initially starting with a monthly rate of \$15bn. Additionally, consensus interest rate expectations from Fed officials signaled three interest rate hikes in 2022, followed by another three in 2023 and two in 2024.
- U.S. annual headline inflation rose at its fastest pace since 1982 due to increasing gasoline, shelter, food, and vehicle prices. The consumer price index (CPI) rose by 6.8% in the year to November and core CPI, which excludes food and energy costs, rose by 4.9%.
- Despite inflationary pressures, the 10-year TIPS yield fell by 19bps over the guarter to -1.04%.

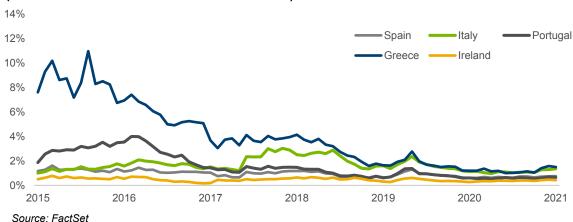
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## **European Fixed Income Markets**

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



- European government bond spreads over 10-year German bunds widened slightly across the Euro Area. The European Central Bank announced the end of its Pandemic Emergency Purchase Program in March 2022 as expected.
- German government bund yields rose modestly, up 1bp to -0.18% over the quarter.
- The Eurozone posted quarter-on-quarter growth of 2.2% in Q3, up marginally from 2.1% growth in Q2.

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## **Credit Spreads**

Spread (bps)	12/31/2021	09/30/2021	12/31/2020	Quarterly Change (bps)	One-Year Change (bps)
U.S. Aggregate	36	33	42	3	-6
Long Gov't	0	0	1	0	-1
Long Credit	130	123	141	7	-11
Long Govt/Credit	74	72	85	2	-11
MBS	31	27	39	4	-8
CMBS	68	61	81	7	-13
ABS	38	29	33	9	5
Corporate	92	84	96	8	-4
High Yield	283	289	360	-6	-77
Global Emerging Markets	285	287	268	-2	17

Source: FactSet, Bloomberg Barclays

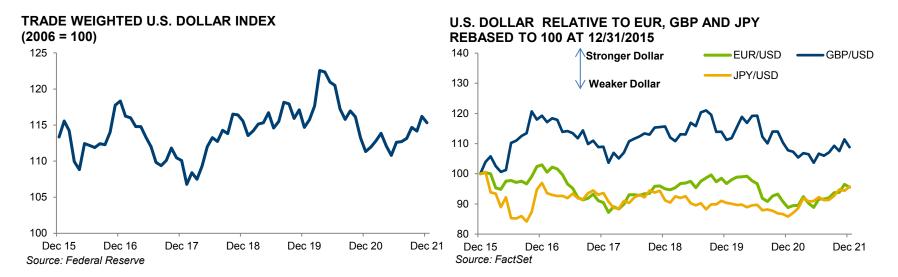
- Credit markets declined from risk-averse sentiment during the quarter.
- While spreads are still narrow relative to historical averages, ABS and Corporate bonds spreads widened modestly in the fourth quarter, increasing by 9bps and 8bps, respectively.



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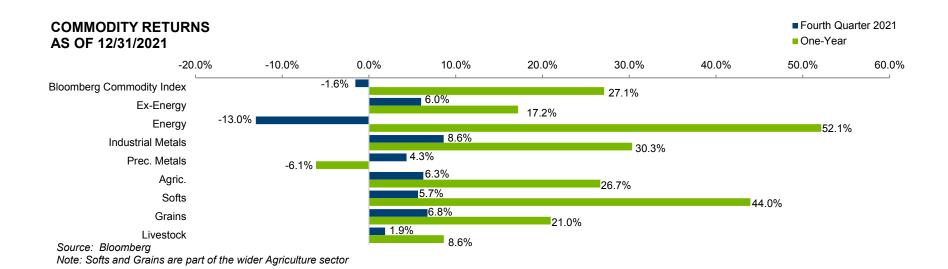
## **Currency**



- The U.S. Dollar appreciated against major currencies over the quarter but depreciated relative to the sterling. On a trade-weighted basis, the U.S. dollar rose 0.6%.
- The Sterling appreciated by 0.5% against the U.S. dollar, as the Bank of England raised its benchmark interest rate by 15bps to 0.25% in an attempt to address higher inflation.
- The U.S. dollar appreciated by 1.9% against the Euro and by 3.2% against the Yen.



## **Commodities**



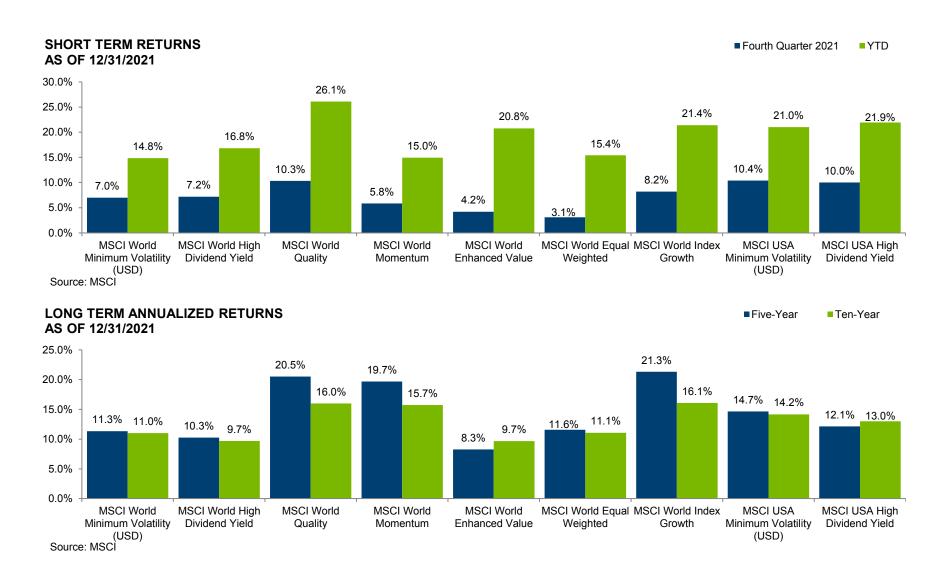
- Momentum in the commodities market slowed, with the Bloomberg Commodity Index returning -1.6% for the quarter.
- Energy was the largest detractor, with the sector down 13.0% over the quarter. However, energy closed the year up 52.1%. The price of Brent crude oil fell by 0.9% to \$78/bbl. while WTI crude oil spot prices rose by 0.2% to \$75/bbl over the quarter.
- Industrial Metals was the best performing commodity sub-component with a return of 8.6%, while agriculture and other soft commodity prices also rose over the quarter.

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## **Factor Indices**

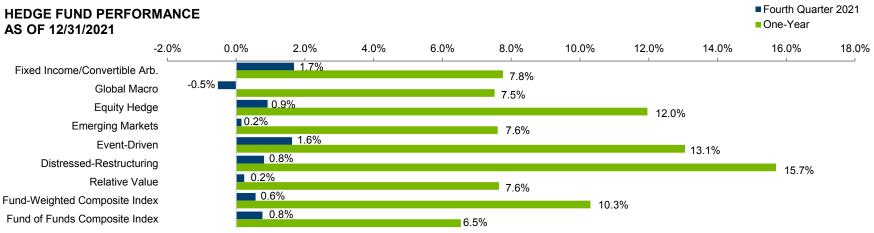


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## **Hedge Fund Markets Overview**



Note: Latest 5 months of HFR data are estimated by HFR and may change in the future. Source: HFR

- Hedge fund performance was generally positive across strategies in the fourth quarter.
- The HFRI Fund-Weighted Composite and HFRI Fund of Funds Composite Index produced returns of 0.6% and 0.8% over the quarter, respectively.
- Over the quarter, Fixed Income/Convertible Arbitrage and Event-Driven strategies were the best performers with returns of 1.7% and 1.6% respectively.
- Global Macro, the only strategy in negative territory for the quarter, was the laggard, down 0.5%.
- Over the trailing one-year period, all strategies were positive, led by Distressed and Event-Driven funds.



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## Private Equity Market Overview | Second Quarter 2021 Slide 1 of 2

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



- Fundraising: In 3Q 2021, \$175.2 billion was raised by 574 funds, which was a decrease of 43.7% on a capital basis and 28.8% by number of funds over the prior quarter. Dry powder stood at nearly \$2.2 trillion at the end of the quarter, an increase compared to year-end 2020's total of \$2.1 trillion.<sup>1</sup>
- Buyout: Global private equity-backed buyout deals totaled \$191.9 billion in 3Q 2021, which was down 16.5% on a capital basis and down 8.0% by number of deals from 2Q 2021.¹ Through 3Q 2021, the average purchase price multiple for all U.S. LBOs was 11.2x EBITDA, a decrease of 0.2x over 2020's average but higher than the five-year average (10.8x).² Large cap purchase price multiples stood at 11.1x through 3Q 2021, down compared to 2020's level of 11.3x.² In Europe, the average purchase price multiple across European transactions of greater than €500M averaged 13.1x EBITDA on an LTM basis as of 3Q 2021, greater than the 12.6x multiple seen at the end of 4Q 2020. Purchase prices for transactions of greater than €1.0 billion increased to 13.2x EBITDA on an LTM basis compared to the 13.1x seen at the end of 2020. Globally, exit value totaled \$195.0 billion from 701 deals during the third quarter, down from the \$247.6 billion in value from 818 deals during 2Q 2021. 3Q 2021's totals were also lower than 3Q 2020's total of \$197.7 billion in value across 510 deals.¹
- Venture: During the third quarter, an estimated 3,518 venture-backed transactions totaling \$82.8 billion were completed in the U.S., which was higher than the prior quarter on a capital basis but a decrease compared to the 3,787 completed deals. Q3's transaction value was 126.3% higher than the five-year quarterly average of \$36.6 billion and marked the strongest quarter on record.³ Total U.S. venture-backed exit activity totaled approximately \$187.2 billion across an estimated 504 completed transactions in 3Q 2021, down from the \$259.7 billion across 457 exits in 2Q 2021. Through 3Q 2021, U.S. exit activity represented 201.6% of 2020's total.³
- Mezzanine: Seven funds closed on \$3.3 billion during the third quarter. This was down significantly from the prior quarter's total of \$7.0 billion raised by 11 funds, but up from 3Q 2020's total of \$1.2 billion raised by 8 funds. Estimated dry powder was \$50.9 billion at the end of 3Q 2021, down slightly from the \$51.9 billion seen at the end of 2Q 2021.1

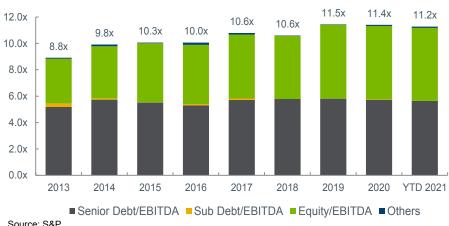
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## Private Equity Market Overview | Second Quarter 2021 Slide 2 of 2





Source: S&P

- **Distressed Debt:** The TTM U.S. high-yield default rate fell to 1.0% at the end of the third quarter, which was a decrease from the 4.5% seen at year-end 2020.4 During the quarter, \$25.4 billion was raised by 12 funds, an increase from the \$15.3 billion raised by 18 funds in 2Q 2021. Distressed funds have raised 78.5% of 2020's total through 3Q 2021.1 Dry powder was estimated at \$140.8 billion at the end of 3Q 2021, which was down from the \$153.4 billion seen at the end of 2Q 2021. However, this was 16.5% higher than the five-year annual average level of \$120.9 billion.1
- Secondaries: 14 funds raised \$5.5 billion during the quarter, down significantly from the \$12.3 billion raised by 18 funds in 2Q 2021. However, this was up 22.3% from 3Q 2020.1 At the end of 3Q 2021, there were an estimated 112 secondary and direct secondary funds in market targeting roughly \$43.2 billion.1
- Infrastructure: \$18.3 billion of capital was raised by 17 funds in 3Q 2021 compared to \$38.0 billion of capital raised by 39 partnerships in 2Q 2021. Through 3Q 2021, infrastructure funds have raised 73.0% of 2020's total. At the end of the quarter, dry powder stood at an estimated \$284.7 billion, up from 2Q 2021's total of \$270.6 billion. Infrastructure managers completed 462 deals with an estimated aggregate deal value of \$68.3 billion in 3Q 2021 compared to 482 deals totaling \$112.9 billion a quarter ago.1
- Natural Resources: During 3Q 2021, three funds closed on \$3.6 billion compared to eight funds totaling \$2.7 billion in 2Q 2021. Energy and utilities industry managers completed approximately 123 deals totaling an estimated \$21.8 billion through 3Q 2021, which represented 133.9% of energy and utilities deal value during all of 2020.1

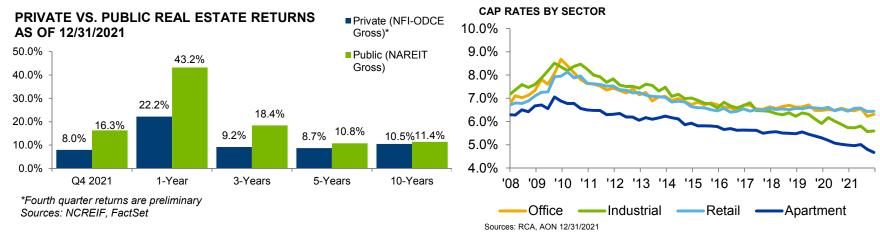
Sources: 1 Pregin 2 Standard & Poor's 3 PwC/CB Insights MoneyTree Report 4 PitchBook/NVCA Venture Monitor 5 Fitch Ratings 6 Thomson Reuters 7 UBS Notes: FY=Fiscal year ended 12/31; YTD=Year to date; LTM=Last 12 months (aka trailing 12 months); PPM=Purchase Price Multiples: Total Purchase Price ÷ EBITDA.

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## **U.S. Commercial Real Estate Markets**



- U.S. Core Real Estate returned 8.0%\* in the fourth quarter, equating to an 22.2% total gross return year-over-year. Townsend has witnessed a robust recovery across the US economy and US real estate markets through the entirety of 2021. Despite lingering uncertainty, real estate capital markets are highly liquid and competitive for in vogue sectors but have also been surprisingly strong for less favored sectors. Capital raising has exceeded prepandemic levels and smashed through historical highs, resulting in a surplus of dry powder in the market.
- Global property markets, as measured by the FTSE EPRA/NAREIT Developed Real Estate Index, returned 10.4% (USD) in aggregate during the fourth quarter and experienced a cumulative increase of 27.2% over the trailing 1-year period. REIT market performance was driven by Asia Pacific (0.6% USD), North America (16.0% USD), and Europe (8.5% USD). The U.S. REIT markets (FTSE NAREIT Equity REITs Index) returned 16.3% in the fourth quarter. The U.S. 10-year treasury bond yields ended the quarter flat at 1.2%.
- In 2021, industrial deal volumes realigned with the growth trend we observed pre-pandemic. The demand for modern logistics networks has outpaced development and now low-single-digit vacancy rates are common across major markets in the US. A mismatch of supply and demand is driving strong rent growth in the sector, as e-commerce still only accounts for 13% of retail sales and is forecasted to grow at close to 10% per annum between 2022-2025. Significant demand combined with an undersupply of modern assets continues to support the development modern logistics properties and the retrofit or refurbishment of well-located older product.
- The residential sector was the largest, most liquid portion of the US market in 2021; transaction activity in the smaller US markets continues to increase as remote work seems to have a grasp on our future to some extent. Property prices are appreciating across almost every major economy. Labor costs and supply chain issues continue to drag on the sector. Greater return-to-office, the continued recovery of jobs, and easing of regulatory pressures should drive healthy market rent growth creating attractive investment opportunities across the residential market, including multifamily and single family-for-rent.
- Townsend has identified high conviction investment themes that are predicated on secular growth trends and strong underlying real estate market fundamentals. These investment themes have commonalities such as anticipated tenant demand growth, natural barriers to supply, and operating complexity that are anticipated to persist medium to long-term.

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<sup>\*</sup>Indicates preliminary NFI-ODCE data gross of fees



# **Nebraska Investment Council**



## Highlights

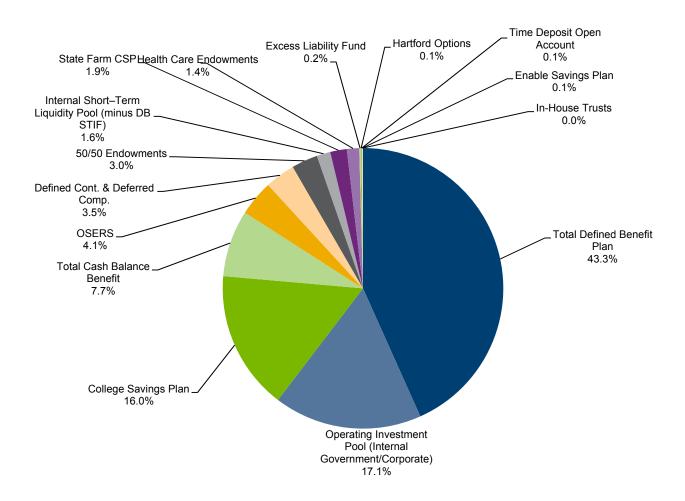
Total Assets by Asset Po	ool
Total Defined Benefit Plan	\$17,170,951,457
Defined Cont. & Deferred Comp.	\$1,377,900,833
Total Cash Balance Benefit	\$3,048,775,510
OSERS	\$1,626,049,076
Hartford Options	\$33,433,180
College Savings Plan	\$6,356,597,182
State Farm College Savings Plan	\$758,218,114
Enable Savings Plan	\$26,056,215
Health Care Endowments	\$561,360,795
50/50 Endowments	\$1,196,452,783
Excess Liability Fund	\$72,166,921
In-House Trusts	\$9,363,484
Internal Short–Term Liquidity Pool	\$622,667,157
Operating Investment Pool (Internal Government/Corporate)	\$6,768,366,861
Time Deposit Open Account	\$30,315,093
Total Assets	\$39,658,674,661

Performance(%)

	1	1	3	5	10
	Quarter	Year	Years	Years	Years
Major Capital Markets					
Dow Jones U.S. Total Stock Market Index	9.1	25.7	25.7	17.9	16.2
MSCI AC World ex USA Index (Net)	1.8	7.8	13.2	9.6	7.3
Bloomberg Universal	0.0	-1.1	5.2	3.8	3.3
CPI	1.6	7.0	3.5	2.9	2.1



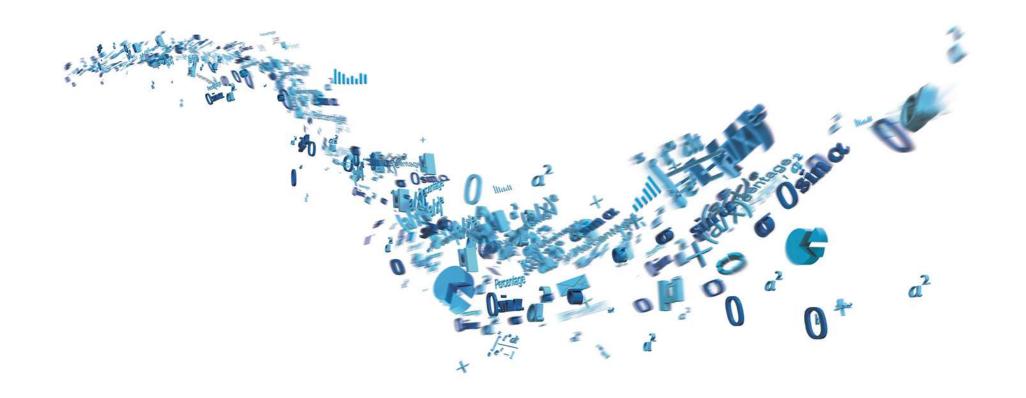
## **Total Assets by Asset Pool**





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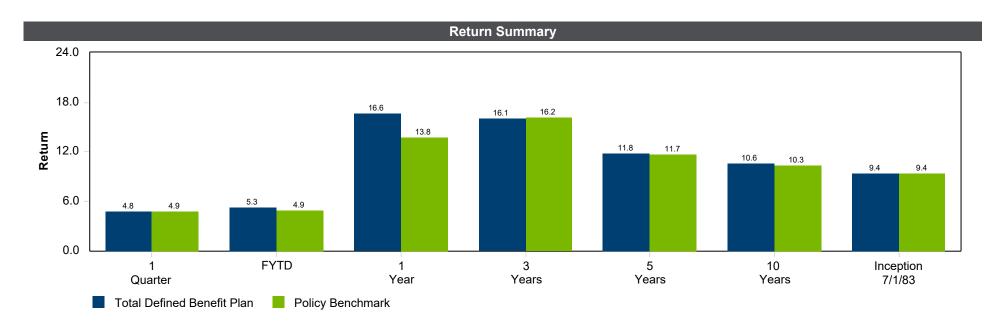


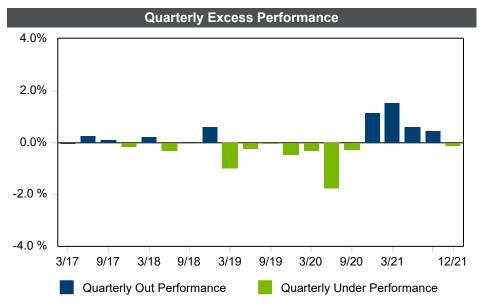


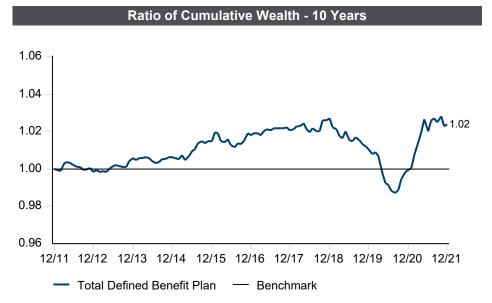
# **Total Defined Benefit Plan**



## **Total Plan Performance Summary**









## **Asset Allocation & Performance**

	Allo	Allocation			Performance(%)							
	Market Value \$	%	Policy(%)	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date		
Total Defined Benefit Plan	\$17,170,951,457	100.0	100.0	4.8 (19)	16.6 (31)	16.1 (16)	11.8 (15)	10.6 (9)	9.4 (-)	07/01/1983		
Policy Benchmark				4.9 (14)	13.8 (67)	16.2 (12)	11.7 (18)	10.3 (13)	9.4 (-)			
Total U.S. Equity	\$5,277,657,814	30.7	27.0	9.4 (27)	26.6 (29)	25.7 (23)	17.7 (28)	16.3 (18)	10.6 (-)	07/01/1983		
Dow Jones U.S. Total Stock Market				9.1 (35)	25.7 (39)	25.7 (23)	17.9 (20)	16.2 (19)	11.4 (-)			
DFA	\$509,462,065	3.0		5.6 (58)	28.1 (29)	20.2 (64)	11.3 (76)	14.1 (43)	12.1 (22)	10/01/1996		
Russell 2000 Index*				2.1 (94)	14.8 (91)	20.0 (68)	12.0 (67)	13.1 (74)	10.2 (86)			
BlackRock Russell 1000 Index	\$4,768,195,749	27.8		9.8 (52)	26.5 (51)	26.3 (17)	18.5 (16)	16.6 (10)	10.7 (31)	10/01/2007		
Russell 1000 Index				9.8 (52)	26.5 (52)	26.2 (17)	18.4 (17)	16.5 (11)	10.6 (32)			
Total Non-U.S. Equity	\$1,879,130,863	10.9	11.5	1.7 (54)	8.7 (67)	13.8 (80)	10.7 (70)	8.2 (75)	6.1 (-)	10/01/1991		
MSCI All Country World ex-U.S. IMI*				1.6 (55)	8.5 (71)	13.6 (83)	9.8 (89)	7.6 (98)	6.3 (-)			
BlackRock ACWI ex-U.S. IMI Index	\$1,879,130,863	10.9		1.7 (42)	8.7 (53)	13.8 (53)	-	-	6.6 (46)	12/01/2017		
MSCI AC World ex USA IMI (Net)				1.6 (42)	8.5 (54)	13.6 (55)	-	-	6.2 (49)			
Total Global Equity	\$3,585,050,297	20.9	19.0	4.7 (62)	19.7 (37)	20.0 (53)	14.2 (49)	12.1 (52)	9.1 (35)	09/01/2005		
MSCI All Country World IMI*				6.1 (50)	18.2 (50)	20.2 (51)	14.1 (51)	11.8 (54)	8.1 (51)			
MFS	\$1,172,934,565	6.8		5.9 (52)	17.6 (53)	20.7 (48)	14.7 (45)	13.5 (31)	10.3 (17)	10/01/2005		
MSCI All Country World IMI*				6.1 (50)	18.2 (50)	20.2 (51)	14.1 (51)	11.8 (54)	7.9 (54)			
Arrowstreet	\$1,170,663,822	6.8		4.6 (63)	20.1 (32)	21.4 (44)	16.2 (33)	-	16.2 (24)	09/01/2016		
MSCI AC World IMI (Net)				6.1 (50)	18.2 (50)	20.2 (51)	14.1 (51)	-	13.6 (48)			
Wellington Equity	\$408,589,113	2.4		4.0 (41)	20.2 (54)	19.0 (55)	13.2 (54)	-	13.0 (55)	09/01/2016		
MSCI AC World Small Cap (Net)				2.1 (55)	16.1 (81)	19.0 (55)	12.3 (62)	-	12.1 (65)			
Dodge & Cox	\$832,828,398	4.9		3.7 (72)	21.3 (26)	16.8 (59)	-	-	9.8 (60)	07/01/2017		
MSCI AC World IMI (Net)				6.1 (49)	18.2 (45)	20.2 (41)	-	-	13.1 (40)			



## **Asset Allocation & Performance**

	Allo		Performance(%)							
	Market Value \$	%	Policy(%)	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Total Fixed Income	\$4,355,735,169	25.4	30.0	-0.1 (86)	-0.2 (61)	5.1 (83)	4.0 (77)	3.6 (71)	7.6 (-)	07/01/1983
Blmbg. Barc. Universal Bond Index*				0.0 (79)	-1.1 (87)	5.2 (78)	3.8 (82)	3.3 (82)	7.5 (-)	
BlackRock Core Plus Universal	\$645,850,592	3.8		-0.2 (77)	-1.1 (74)	5.5 (67)	4.0 (68)	3.6 (68)	5.5 (31)	04/01/1998
Blmbg. Barc. Universal Bond Index*				0.0 (54)	-1.1 (76)	5.2 (80)	3.8 (78)	3.3 (80)	5.1 (62)	
PIMCO	\$828,871,707	4.8		0.0 (58)	-0.4 (40)	6.2 (40)	4.8 (22)	4.0 (43)	5.7 (19)	04/01/1998
Blmbg. Barc. Univeral Bond Index*				0.0 (54)	-1.1 (76)	5.2 (80)	3.8 (78)	3.3 (80)	5.1 (62)	
BlackRock Aggregate Bond Index	\$658,553,078	3.8		-0.1 (28)	-1.6 (59)	4.8 (69)	3.6 (70)	3.0 (75)	4.2 (64)	02/01/2006
Blmbg. Barc. Aggregate Bond Index				0.0 (16)	-1.5 (53)	4.8 (77)	3.6 (73)	2.9 (81)	4.1 (72)	
Loomis Sayles	\$302,732,275	1.8		-0.4 (94)	0.6 (20)	8.2 (3)	6.4 (1)	7.2 (1)	7.1 (1)	07/01/2006
Blmbg. Barc. Universal Bond Index*				0.0 (54)	-1.1 (76)	5.2 (80)	3.8 (78)	3.3 (80)	4.9 (58)	
Wellington Global	\$507,675,253	3.0		-0.9 (74)	-4.8 (78)	3.0 (92)	3.1 (84)	- ` ´	1.4 (79)	09/01/2014
Blmbg. Global Aggregate				-0.7 (67)	-4.7 (77)	3.6 (86)	3.4 (79)	-	1.6 (75)	
Loomis Sayles Bank Loans	\$347,921,535	2.0		0.5 (84)	2.8 (100)	3.8 (97)	2.8 (97)	-	2.9 (98)	06/01/2014
S&P/LSTA Leveraged Loan Index	, , ,			0.7 (36)	5.2 (35)	5.6 (17)	4.3 (18)	-	4.0 (19)	
Franklin Templeton	\$364,490,385	2.1		-0.2 (100)	6.3 (7)	3.2 (99)	2.7 (98)	-	3.1 (92)	07/01/2014
Credit Suisse Leveraged Loan (Split BB)	, , ,			0.7 (39)	4.2 (66)	4.9 (48)	3.6 (62)	-	3.7 (34)	
Neuberger Berman Core Plus	\$677,904,788	3.9		-0.2 (79)	-0.8 (61)	6.2 (41)	4.6 (35)	-	4.1 (34)	07/01/2015
Blmbg. Barc. Universal Bond Index	, , ,			0.0 (54)	-1.1 (76)	5.2 (80)	3.8 (78)	-	3.6 (68)	
Opportunistic Fixed Income - PIMCO Bravo II	\$21,179,125	0.1		,	, ,				, ,	
Opportunistic Fixed Income - Oaktree	\$88,005	0.0								
Opportunistic Cash and Int Rec	\$433,696	0.0								
Contributions and Withdrawals	\$34,732	0.0								
Total Real Estate	\$962,108,980	5.6	7.5	11.5	19.5	7.6	7.4	9.1	7.1	12/01/2004
Performance Benchmark	, , , , , , , , , , , , , , , , , , , ,			7.7	21.0	8.2	7.7	9.3	8.8	
CB Richard Ellis Strategic	\$171,422	0.0								
Prudential PRISA I	\$194,868,668	1.1								
UBS Real Estate	\$117,694,642	0.7								
Rockwood Capital Real Estate Fund IX	\$3,385,670	0.0								
Prudential PRISA II	\$93,158,670	0.5								
Five Arrows Realty	\$36,764	0.0								
RockPoint Fund III	\$602,520	0.0								
Landmark Real Estate VI	\$1,343,679	0.0								
Landmark Real Estate VII	\$10,281,063	0.1								
AG Realty Fund VIII	\$4,298,558	0.0								
UBS Trumbull Property Income	\$132,495,652	0.8								
Almanac Realty Securities VII	\$19,595,457	0.1								



## **Asset Allocation & Performance**

	Allo	cation					Performanc	e(%)		
	Market Value \$	%	Policy(%)	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Torchlight IV	\$2,427,291	0.0								
Torchlight V	\$6,277,380	0.0								
Rockwood Capital Real Estate Fund X	\$22,576,107	0.1								
Landmark Real Estate VIII	\$14,612,209	0.1								
Torchlight VI	\$27,034,656	0.2								
Almanac Realty Securities VIII	\$12,147,102	0.1								
Clarion Lion Properties Fund	\$242,122,583	1.4								
Rockwood Capital Real Estate Fund XI	\$18,046,994	0.1								
Torchlight Debt Opportunity	\$10,817,235	0.1								
Kayne Anderson RE VI	\$3,051,792	0.0								
Prime Property Fund LLC	\$9,637,426	0.1								
Real Estate Cash	\$15,425,438	0.1								
Total Private Equity	\$1,093,891,494	6.4	5.0	4.0	54.9	26.5	22.4	16.9	8.3	09/01/2005
Dow Jones U.S. Total Stock Market + 3%				9.9	29.4	29.4	21.4	19.7	14.2	
Abbott Capital	\$2,979,344	0.0								
Pathway	\$7,590,947	0.0								
Sun Capital	\$2,244,159	0.0								
Dover Street VIII	\$4,446,532	0.0								
CMEA Ventures VII	\$4,057,012	0.0								
New Mountain Partners III	\$186,907	0.0								
New Mountain Partners IV	\$12,183,128	0.1								
Citigroup Venture Capital International	\$4,070,370	0.0								
Resolute Fund III	\$9,362,098	0.1								
BridgePoint Europe IV	\$3,686,167	0.0								
Quantum Energy Partners V	\$3,380,548	0.0								
Quantum Energy Partners VI	\$31,281,573	0.2								
CVC European Equity Partners VI	\$15,580,217	0.1								
CVC European Equity Partners V	\$676,831	0.0								
Fulcrum Growth Partners IV	\$8,851,384	0.1								
Ares Corporate Opp Fund III	\$874,860	0.0								
Ares Corporate Opp Fund IV	\$8,539,798	0.0								
New Enterprise Associates 13	\$6,594,437	0.0								
New Enterprise Associates 14	\$39,683,236	0.2								
Lincolnshire Equity Partners IV	\$5,606,008	0.0								
Longroad Capital Partners LP	\$53,850	0.0								
Merit Mezzanine Fund V	\$5,450,881	0.0								



## **Asset Allocation & Performance**

	Allo	cation		Performance(%)						
	Market Value \$	%	Policy(%)	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Ares Mezzanine Fund Partners	\$53,024	0.0								
Lightyear Fund III	\$1,446,067	0.0								
EIF U.S. Power Fund IV	\$9,261,667	0.1								
McCarthy Capital Fund V	\$6,105,278	0.0								
Green Equity Investors VI	\$21,647,763	0.1								
Wayzata Opp Fund III	\$2,875,680	0.0								
Accel KKR Capital Partners IV	\$11,295,679	0.1								
Beeker Petty O'Keefe & Co. IV	\$14,129,562	0.1								
Pine Brook Capital Partners II	\$28,792,664	0.2								
EMG III LP	\$15,527,898	0.1								
Francisco Partners IV	\$36,168,385	0.2								
Wynnchurch Capital Partners IV	\$23,792,468	0.1								
BridgePoint Europe V	\$17,637,704	0.1								
McCarthy Capital Fund VI	\$67,884,048	0.4								
Dover Street IX	\$33,531,073	0.2								
Green Equity Investors VII	\$57,389,347	0.3								
Quantum Energy Investors VII	\$33,588,374	0.2								
Ares Corporate Opp Fund V	\$39,549,446	0.2								
Genstar Cap Ptr VIII L.P.	\$75,452,874	0.4								
New Mountain Partners V	\$56,222,636	0.3								
Francisco Partners V	\$60,856,624	0.4								
Resolute Fund IV	\$51,231,595	0.3								
BridgePoint Europe VI	\$25,483,683	0.1								
Genstar Cap Ptr IX LP	\$52,515,302	0.3								
New Enterprise Associates 17	\$38,179,411	0.2								
Dover Street X	\$23,009,362	0.1								
Wynnchurch Capital Partners V	\$14,605,147	0.1								
Private Equity Cash	\$67,366,234	0.4								
Total Cash	\$17,376,840	0.1	0.0							
STIF	\$17,376,840	0.1								

The Inception-to-Date IRR for Real Estate is 6.9% as of 9/30/2021. The Inception-to-Date IRR for Private Equity is 14.8% as of 9/30/2021.

The Private Equity asset class returns are time-weighted.



<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.

## **Asset Allocation & Performance**

Performance(%
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					1 61101111	ance(70)				
	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
Total Defined Benefit Plan	16.6 (31)	12.7 (29)	19.0 (19)	-4.2 (64)	16.6 (23)	8.6 (18)	1.1 (17)	6.9 (23)	18.3 (21)	12.9 (45)
Policy Benchmark	13.8 (67)	14.0 (13)	21.0 (7)	-4.8 (75)	16.3 (27)	8.2 (23)	0.3 (35)	6.9 (23)	17.4 (28)	13.1 (43)
Total U.S. Equity	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)	16.3 (56)
Dow Jones U.S. Total Stock Market	25.7 (39)	20.8 (30)	30.9 (29)	-5.3 (39)	21.2 (32)	12.6 (53)	0.4 (40)	12.5 (21)	33.5 (55)	16.4 (55)
DFA	28.1 (29)	11.5 (70)	21.7 (70)	-12.3 (60)	12.0 (75)	24.2 (19)	-2.6 (58)	4.6 (61)	42.0 (33)	21.8 (10)
Russell 2000 Index*	14.8 (91)	20.0 (34)	25.5 (46)	-11.0 (45)	14.6 (50)	21.3 (36)	-4.4 (80)	5.6 (54)	34.5 (85)	18.0 (30)
BlackRock Russell 1000 Index	26.5 (51)	21.1 (23)	31.5 (28)	-4.7 (37)	21.6 (45)	12.1 (23)	1.0 (49)	13.2 (35)	33.1 (35)	16.5 (33)
Russell 1000 Index	26.5 (52)	21.0 (24)	31.4 (28)	-4.8 (38)	21.7 (44)	12.1 (23)	0.9 (50)	13.2 (35)	33.1 (35)	16.4 (35)
Total Non-U.S. Equity	8.7 (67)	11.3 (65)	22.0 (82)	-14.5 (73)	31.8 (10)	2.5 (82)	-1.3 (33)	-4.2 (91)	18.6 (43)	15.2 (100)
MSCI All Country World ex-U.S. IMI*	8.5 (71)	11.1 (66)	21.6 (84)	-14.8 (82)	27.8 (74)	4.4 (41)	-4.6 (79)	-3.9 (88)	15.8 (79)	17.0 (89)
BlackRock ACWI ex-U.S. IMI Index	8.7	11.3	22.0	-14.6						
MSCI AC World ex USA IMI (Net)	8.5	11.1	21.6	-14.8						
Total Global Equity	19.7 (37)	14.9 (54)	25.5 (59)	-9.7 (54)	24.9 (43)	7.7 (35)	-2.0 (62)	3.9 (49)	25.5 (53)	16.6 (45)
MSCI All Country World IMI*	18.2 (50)	16.3 (50)	26.4 (53)	-10.1 (57)	23.9 (48)	8.4 (30)	-2.2 (64)	3.8 (49)	23.6 (63)	16.4 (47)
MFS	17.6 (53)	14.2 (56)	31.1 (24)	-9.1 (48)	24.3 (46)	7.5 (37)	-0.9 (53)	4.7 (43)	29.1 (36)	23.9 (6)
MSCI All Country World IMI*	18.2 (50)	16.3 (50)	26.4 (53)	-10.1 (57)	23.9 (48)	8.4 (30)	-2.2 (64)	3.8 (49)	23.6 (63)	16.1 (51)
Arrowstreet	20.1 (32)	21.8 (30)	22.4 (74)	-6.9 (32)	27.0 (31)					
MSCI AC World IMI (Net)	18.2 (50)	16.3 (50)	26.4 (53)	-10.1 (57)	23.9 (48)					
Wellington Equity	20.2 (55)	14.1 (64)	22.7 (62)	-13.8 (42)	27.9 (27)					
MSCI AC World Small Cap (Net)	16.1 (74)	16.3 (53)	24.7 (58)	-14.4 (47)	23.8 (44)					
Dodge & Cox	21.3	6.0	23.9	-12.6						
MSCI AC World IMI (Net)	18.2	16.3	26.4	-10.1						



<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.

## **Asset Allocation & Performance**

	Performance(%)									
	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
Total Fixed Income	-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)	7.9 (45)
Blmbg. Barc. Universal Bond Index*	-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)	5.5 (91)
BlackRock Core Plus Universal	-1.1 (74)	8.3 (59)	9.6 (50)	-0.5 (43)	4.3 (58)	3.8 (64)	1.1 (7)	6.0 (41)	-1.4 (75)	6.7 (71)
Blmbg. Barc. Universal Bond Index*	-1.1 (76)	7.6 (78)	9.3 (58)	-0.3 (29)	4.1 (66)	3.9 (58)	0.4 (27)	5.6 (58)	-1.3 (74)	5.5 (90)
PIMCO	-0.4 (40)	9.4 (28)	10.0 (36)	0.1 (15)	5.6 (19)	4.6 (42)	-0.1 (49)	4.7 (81)	-1.5 (80)	8.3 (46)
Blmbg. Barc. Univeral Bond Index*	-1.1 (76)	7.6 (78)	9.3 (58)	-0.3 (29)	4.1 (66)	3.9 (58)	0.4 (27)	5.6 (58)	-1.3 (74)	5.5 (90)
BlackRock Aggregate Bond Index	-1.6 59.0	7.7 62.0	8.8 64.0	-0.1 39.0	3.7 58.0	2.7 64.0	0.6 46.0	6.2 34.0	-1.9 59.0	4.3 (89)
Blmbg. Barc. Aggregate Bond Index	-1.5 53.0	7.5 69.0	8.7 69.0	0.0 32.0	3.5 64.0	2.6 66.0	0.5 52.0	6.0 45.0	-2.0 65.0	4.2 (90)
Loomis Sayles	0.6 (20)	14.1 (4)	10.2 (30)	-0.9 (55)	8.6 (2)	10.0 (5)	-2.8 (90)	8.3 (2)	4.7 (3)	20.7 (1)
Blmbg. Barc. Universal Bond Index*	-1.1 (76)	7.6 (78)	9.3 (58)	-0.3 (29)	4.1 (66)	3.9 (58)	0.4 (27)	5.6 (58)	-1.3 (74)	5.5 (90)
Wellington Global	-4.8 (78)	8.0 (49)	6.2 (85)	-0.4 (20)	7.2 (53)	1.5 (89)	-2.8 (47)			
Blmbg. Global Aggregate	-4.7 (77)	9.2 (40)	6.8 (82)	-1.2 (29)	7.4 (48)	2.1 (85)	-3.2 (50)			
Loomis Sayles Bank Loans	2.8 (100)	1.1 (71)	7.7 (60)	-0.6 (86)	2.9 (92)	7.4 (92)	1.1 (25)			
S&P/LSTA Leveraged Loan Index	5.2 (35)	3.1 (17)	8.6 (31)	0.4 (40)	4.1 (40)	10.2 (15)	-0.7 (77)			
Franklin Templeton	6.3 (7)	-1.1 (95)	4.5 (93)	0.9 (12)	2.9 (92)	9.9 (25)	0.1 (49)			
Credit Suisse Leveraged Loan (Split BB)	4.2 (66)	1.8 (58)	8.9 (24)	0.0 (63)	3.2 (88)	8.5 (58)	1.5 (22)			
Neuberger Berman Core Plus	-0.8 (61)	9.5 (26)	10.3 (29)	-0.4 (36)	4.8 (39)	5.1 (32)				
Blmbg. Barc. Universal Bond Index	-1.1 (76)	7.6 (78)	9.3 (58)	-0.3 (29)	4.1 (66)	3.9 (58)				
Opportunistic Fixed Income - PIMCO Bravo II										
Opportunistic Fixed Income - Oaktree										
Opportunistic Cash and Int Rec										
Contributions and Withdrawals										
Total Real Estate	19.5	0.2	4.0	6.9	7.3	10.8	14.2	11.7	9.6	8.4
Performance Benchmark	21.0	0.3	4.4	7.4	6.7	7.8	13.3	11.8	11.0	10.5

CB Richard Ellis Strategic

Prudential PRISA I

**UBS Real Estate** 

Rockwood Capital Real Estate Fund IX

Prudential PRISA II

Beacon

Five Arrows Realty

Heitman Value Partners II

RockPoint Fund III

Landmark Real Estate VI

Landmark Real Estate VII

AG Realty Fund VIII

**UBS Trumbull Property Income** 

Almanac Realty Securities VII

Francisco Partners IV

Torchlight IV



<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.

## **Asset Allocation & Performance**

	Performance(%)									
	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
Torchlight V										
Rockwood Capital Real Estate Fund X										
Landmark Real Estate VIII										
Torchlight VI										
Almanac Realty Securities VIII										
Clarion Lion Properties Fund										
Torchlight Debt Opportunity										
Kayne Anderson RE VI										
Prime Property Fund LLC										
Real Estate Cash										
Total Private Equity	54.9	13.6	14.9	14.2	18.7	9.2	14.4	11.9	13.0	9.6
Dow Jones U.S. Total Stock Market + 3%	29.4	24.4	34.7	-2.4	24.7	16.0	3.5	15.8	37.4	19.8
Abbott Capital										
Pathway										
0 0 11 1										

Sun Capital

Dover Street VIII

CMEA Ventures VII

New Mountain Partners III

New Mountain Partners IV

Citigroup Venture Capital International

Resolute Fund III

Accel KKR Capital Partners 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



<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.

#### As of December 31, 2021

# **Asset Allocation & Performance**

					Doufous	(0/)				
				2212	Perform				2010	
	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
Wayzata Opp Fund III										
Accel KKR Capital Partners IV										
Beeker Petty O'Keefe & Co. IV										
Pine Brook Capital Partners II										
EMG III LP										
Francisco Partners IV										
Wynnchurch Capital Partners IV										
BridgePoint Europe V										
McCarthy Capital Fund VI										
Dover Street IX										
Ares Corporate Opp Fund V										
Genstar Cap Ptr VIII L.P.										
Green Equity Investors VII										
Quantum Energy Investors VII										
New Mountain Mountain Partners V, LP										
Francisco Partners V										
Resolute Fund IV										
BridgePoint Europe VI										
Genstar Cap Ptr IX LP										
New Enterprise Associates 17										
Dover Street X										
Private Equity Cash										
Total Cash										
STIF										

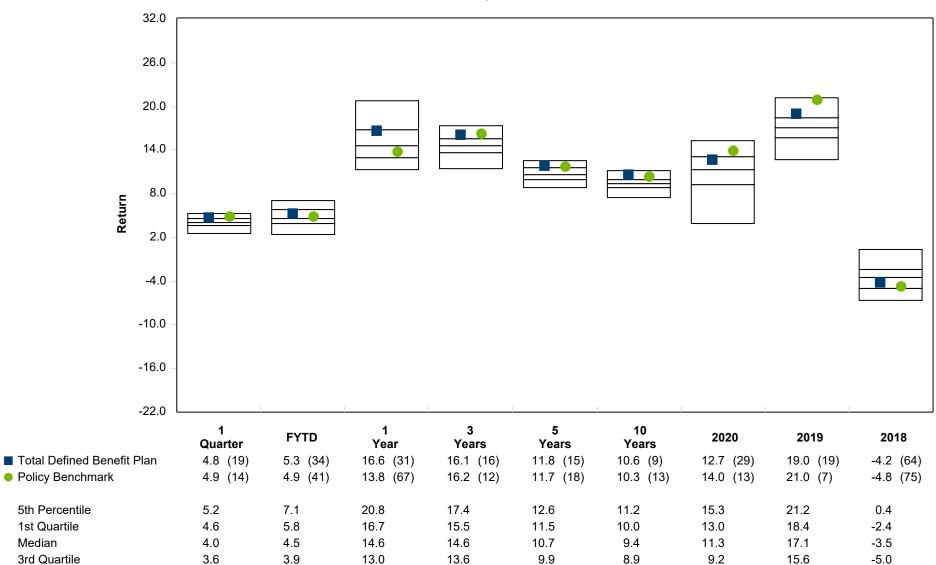
The Private Equity asset class returns are time-weighted. Performance for individual Private Equity accounts are provided separately in the Private Equity performance report.



<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.

#### **Plan Sponsor Peer Group Analysis**

#### All Public Plans > \$1B-Total Fund



Parentheses contain percentile rankings.

2.5

79

2.4

78

11.2

78

5th Percentile

1st Quartile

3rd Quartile

Population

95th Percentile

Median



-6.7

104

11.4

78

8.9

78

7.5

71

3.9

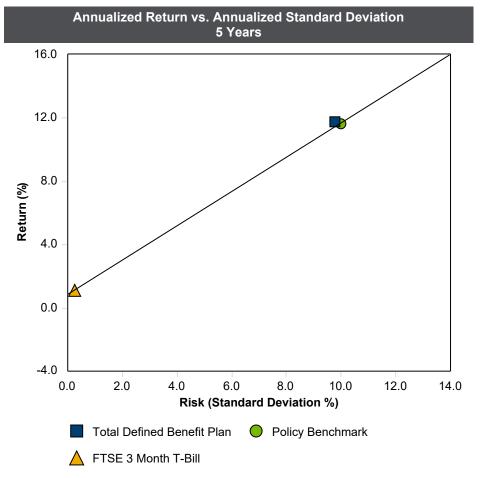
135

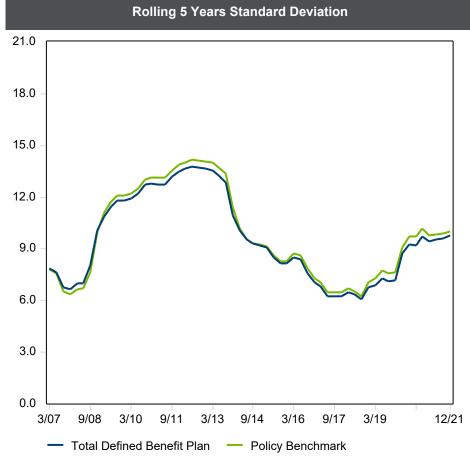
12.6

133

#### As of December 31, 2021

# **Total Defined Benefit Plan Risk Profile**

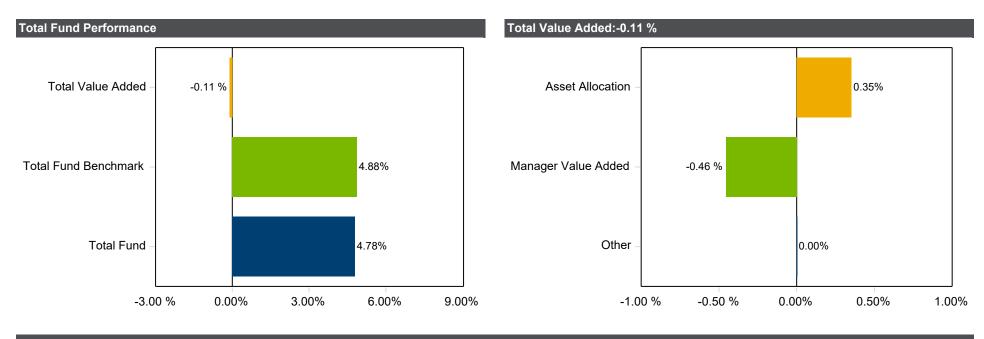


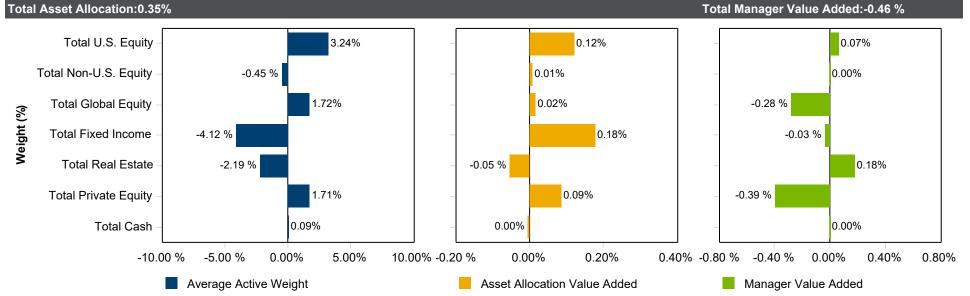


			5 Yea	rs Historical St	atistics					
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
Total Defined Benefit Plan	0.10	1.14	0.09	0.99	1.07	0.41	0.97	11.80	9.78	0.99
Policy Benchmark	0.00	0.00	N/A	1.00	1.04	0.00	1.00	11.67	9.98	1.00
FTSE 3 Month T-Bill	-10.47	10.04	-1.04	0.04	N/A	1.17	-0.01	1.11	0.26	-0.20



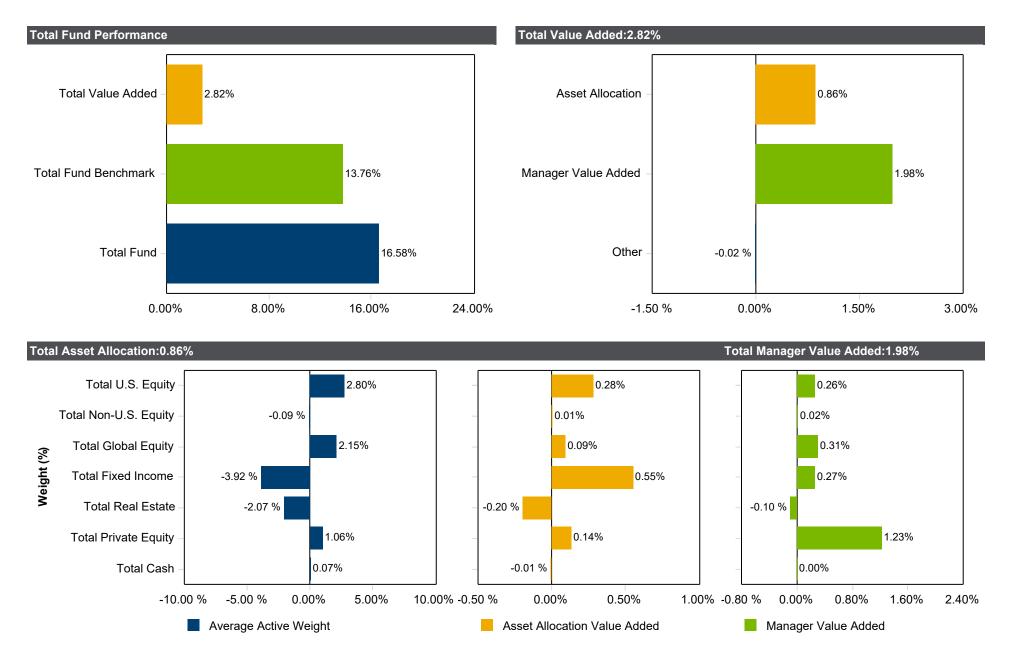
#### **Total Fund Attribution**



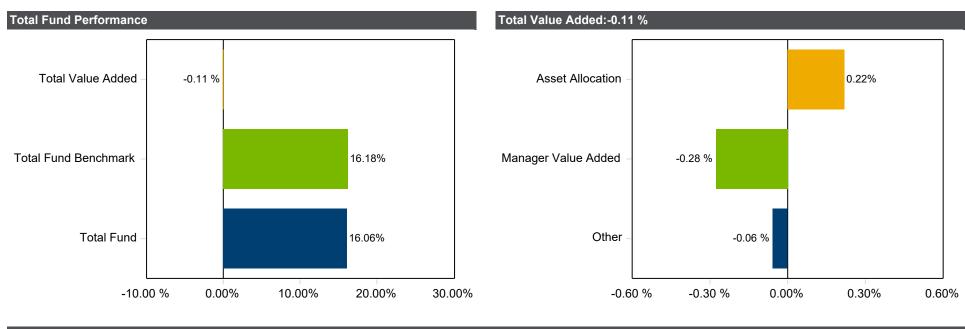


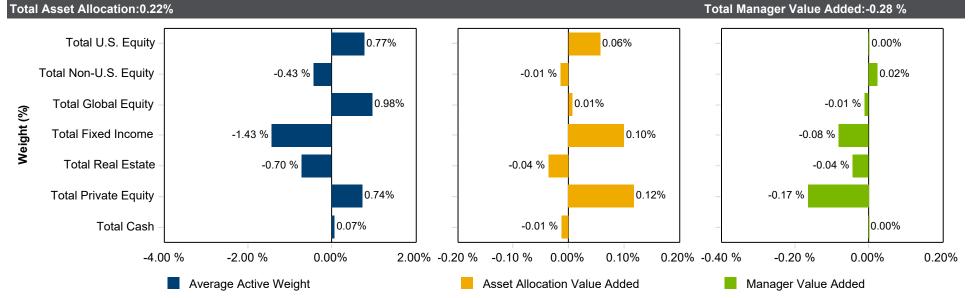


#### **Total Fund Attribution**



#### **Total Fund Attribution**

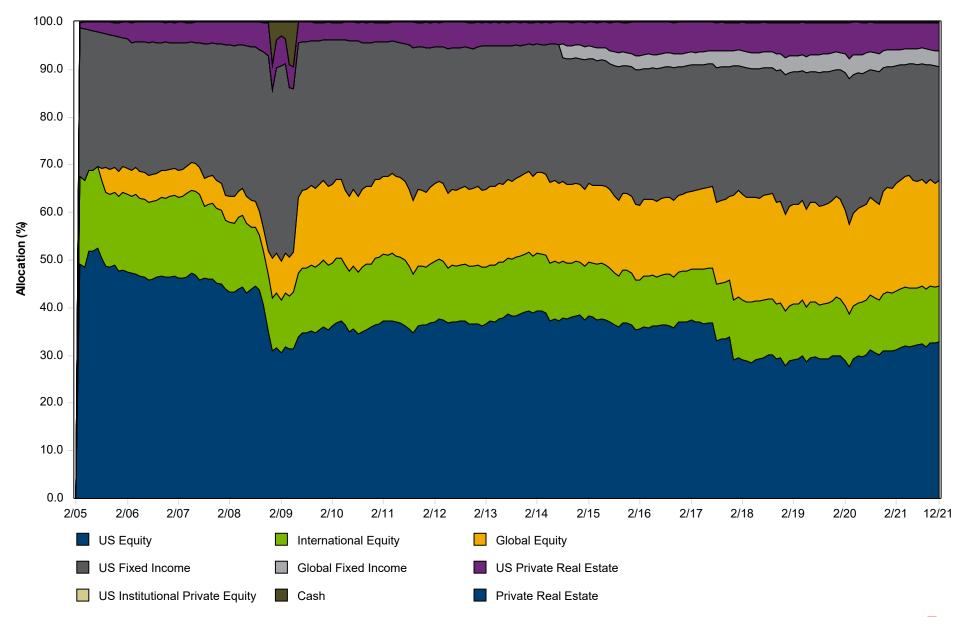




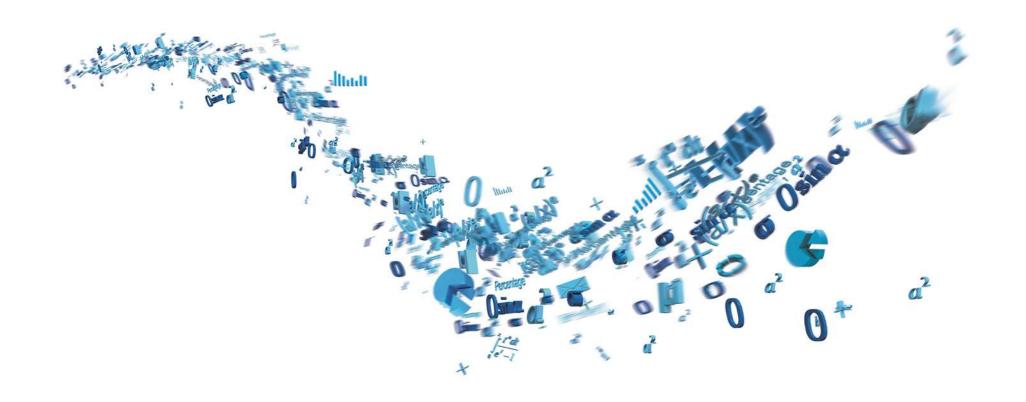


# **Historical Asset Allocation by Asset Class**

#### **Total Defined Benefit Plan**







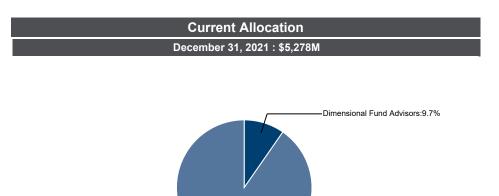
# **Total U.S. Equity**

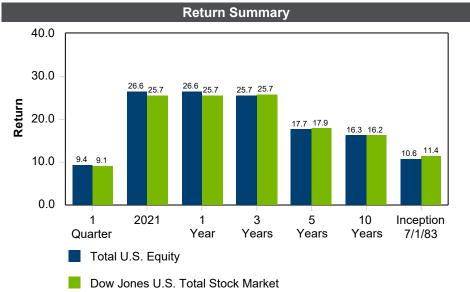


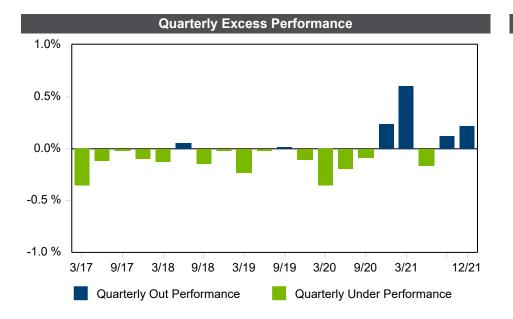
BlackRock Russell 1000 Index:90.3%

#### As of December 31, 2021

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





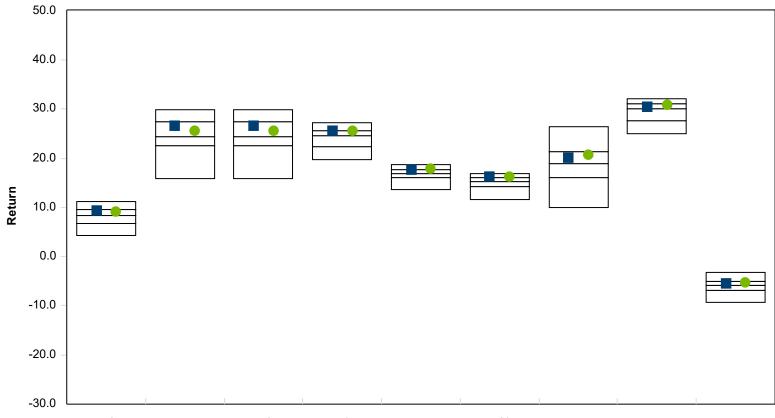






# **Plan Sponsor Peer Group Analysis**

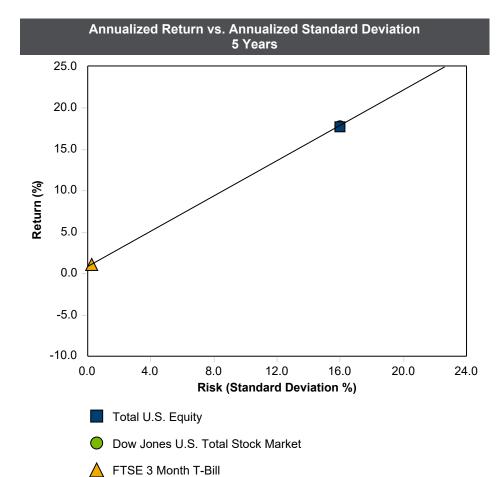
#### All Public Plans > \$1B-US Equity Segment

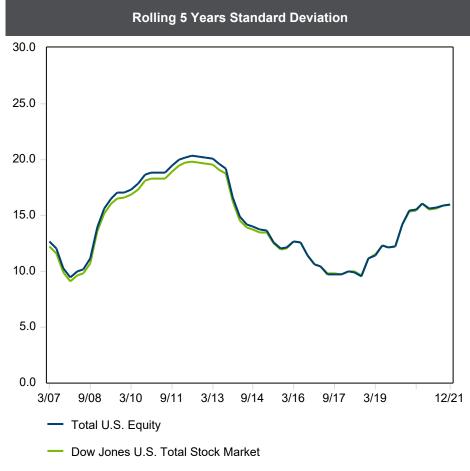


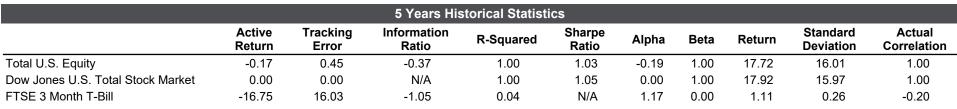
	1 Quarter	2021	1 Year	3 Years	5 Years	10 Years	2020	2019	2018
■ Total U.S. Equity	9.4 (27)	26.6 (29)	26.6 (29)	25.7 (23)	17.7 (28)	16.3 (18)	20.2 (36)	30.5 (35)	-5.5 (41)
<ul><li>Dow Jones U.S. Total Stock Market</li></ul>	9.1 (35)	25.7 (39)	25.7 (39)	25.7 (23)	17.9 (20)	16.2 (19)	20.8 (30)	30.9 (29)	-5.3 (39)
5th Percentile	11.2	30.0	30.0	27.2	18.7	16.8	26.4	32.2	-3.1
1st Quartile	9.6	27.5	27.5	25.5	17.8	16.0	21.5	31.2	-5.0
Median	8.4	24.3	24.3	24.7	17.0	15.3	18.9	30.1	-5.9
3rd Quartile	6.8	22.6	22.6	22.4	16.0	14.4	16.1	27.7	-6.9
95th Percentile	4.4	15.8	15.8	19.7	13.6	11.6	10.0	25.0	-9.2
Population	60	56	56	49	46	33	55	52	53



# Total U.S. Equity Risk Profile

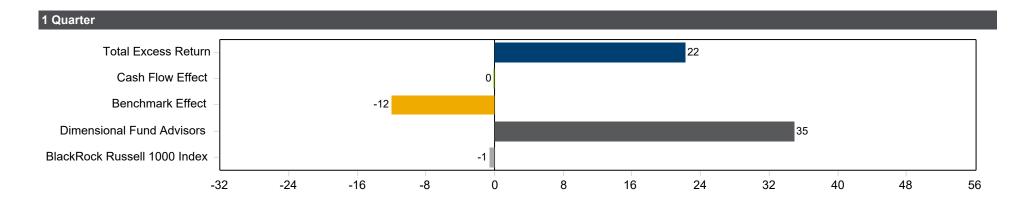


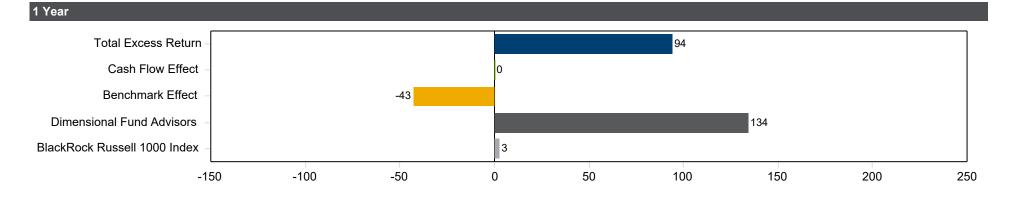


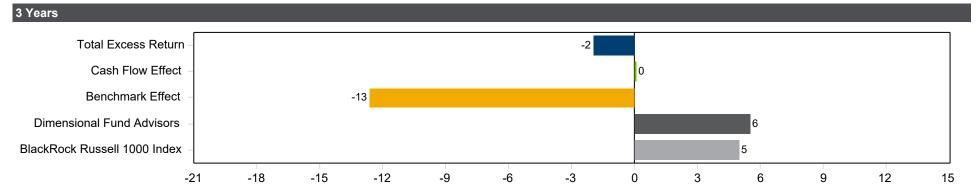




#### **Asset Class Attribution**









#### **Dimensional Fund Advisors Performance Summary**

#### **Account Information**

Account Name: Dimensional Fund Advisors

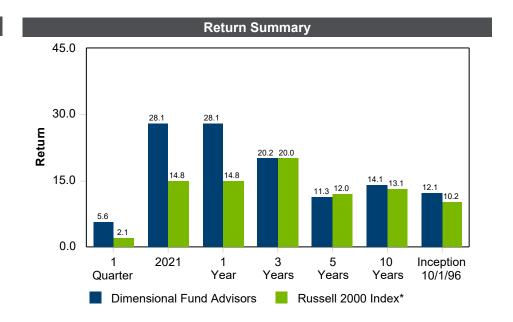
Inception Date: 10/01/1996

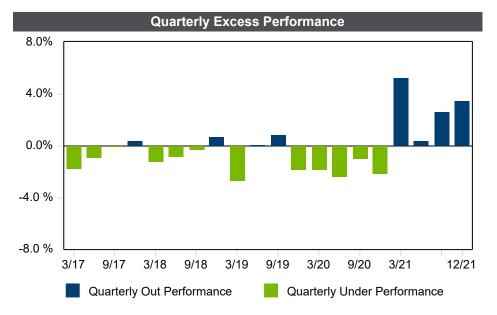
Account Structure: Commingled Fund

Asset Class: US Equity

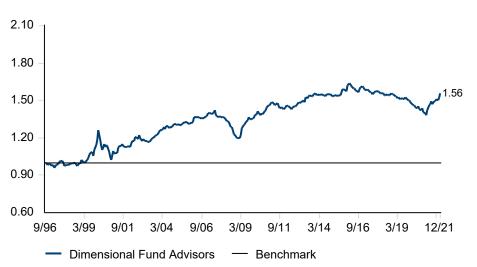
Benchmark: Russell 2000 Index\*

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





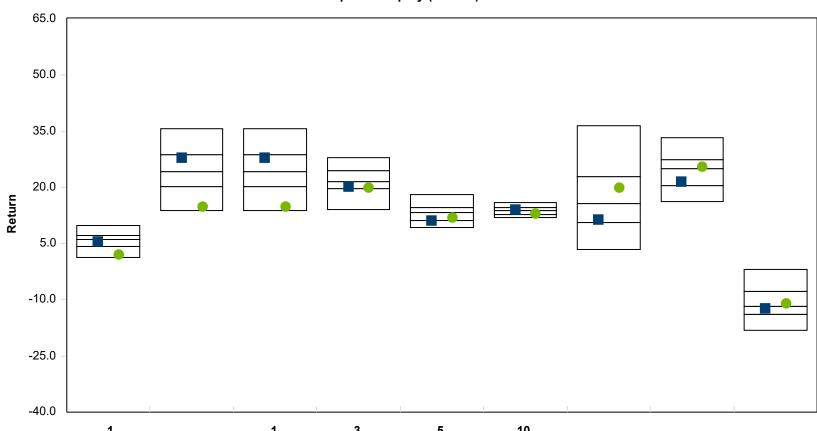
# Ratio of Cumulative Wealth - Since Inception





# **Peer Group Analysis**

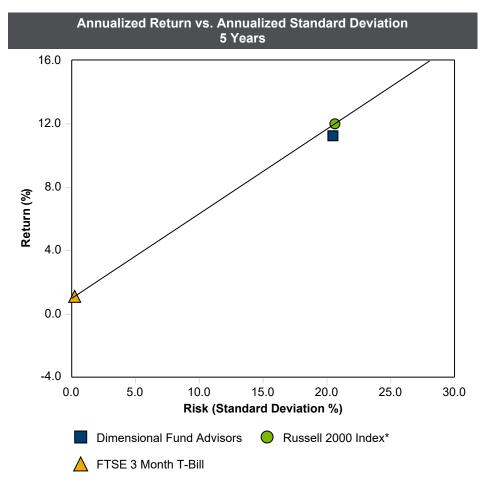
IM U.S. Small Cap Core Equity (SA+CF)



	1 Quarter	2021	1 Year	3 Years	5 Years	10 Years	2020	2019	2018
Dimensional Fund Advisors	5.6 (58)	28.1 (29)	28.1 (29)	20.2 (64)	11.3 (76)	14.1 (43)	11.5 (70)	21.7 (70)	-12.3 (60)
<ul><li>Russell 2000 Index*</li></ul>	2.1 (94)	14.8 (91)	14.8 (91)	20.0 (68)	12.0 (67)	13.1 (74)	20.0 (34)	25.5 (46)	-11.0 (45)
5th Percentile	9.8	35.8	35.8	28.0	18.2	16.0	36.4	33.2	-1.8
1st Quartile	7.3	28.7	28.7	24.6	14.6	14.7	22.9	27.5	-7.8
Median	6.0	24.1	24.1	21.7	13.2	13.9	15.6	24.9	-11.6
3rd Quartile	4.2	20.3	20.3	19.6	11.3	12.7	10.6	20.6	-13.8
95th Percentile	1.2	13.8	13.8	14.2	9.2	12.0	3.3	16.3	-18.0
Population	87	87	87	85	76	64	90	96	101



# **Dimensional Fund Advisors Risk Profile**





			5 Year	s Historical Sta	itistics					
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
Dimensional Fund Advisors	-0.70	3.91	-0.18	0.96	0.57	-0.34	0.97	11.27	20.46	0.98
Russell 2000 Index*	0.00	0.00	N/A	1.00	0.60	0.00	1.00	12.02	20.64	1.00
FTSE 3 Month T-Bill	-12.45	20.69	-0.60	0.05	N/A	1.15	0.00	1.11	0.26	-0.21



#### **BlackRock Russell 1000 Index Performance Summary**

#### **Account Information**

Account Name: BlackRock Russell 1000 Index

Inception Date: 10/01/2007

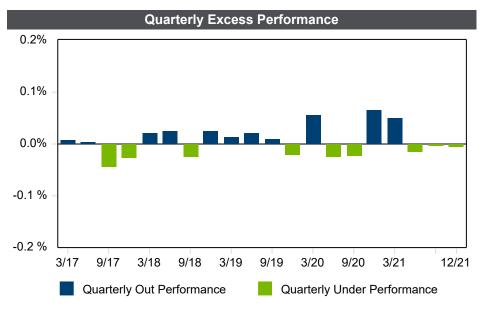
Account Structure: Commingled Fund

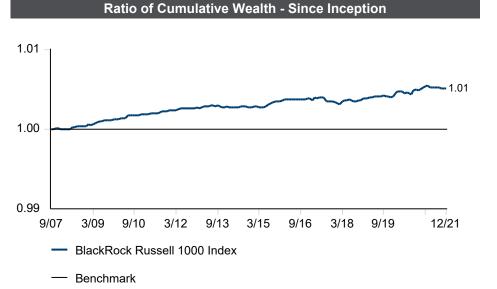
Asset Class: US Equity

Benchmark: Russell 1000 Index

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



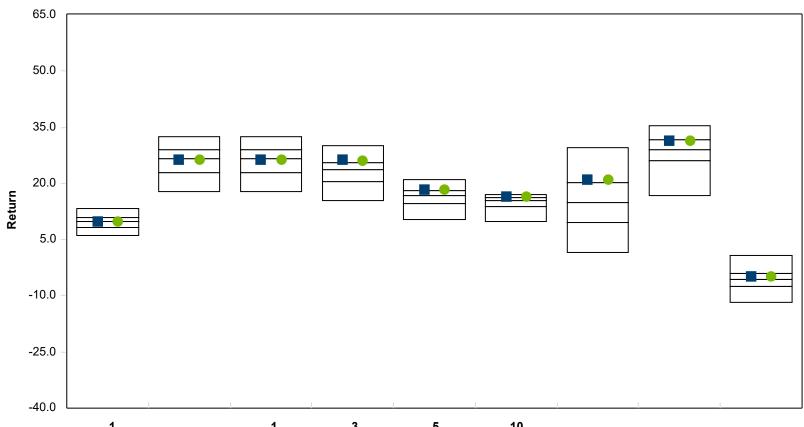






# **Peer Group Analysis**

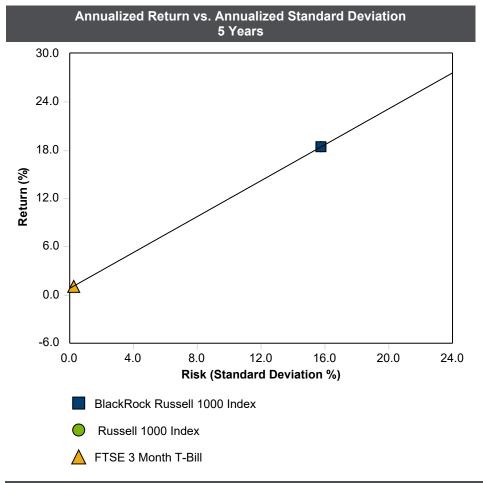
IM U.S. Large Cap Core Equity (SA+CF)



	1 Quarter	2021	1 Year	3 Years	5 Years	10 Years	2020	2019	2018
■ BlackRock Russell 1000 Index	9.8 (52)	26.5 (51)	26.5 (51)	26.3 (17)	18.5 (16)	16.6 (10)	21.1 (23)	31.5 (28)	-4.7 (37)
<ul><li>Russell 1000 Index</li></ul>	9.8 (52)	26.5 (52)	26.5 (52)	26.2 (17)	18.4 (17)	16.5 (11)	21.0 (24)	31.4 (28)	-4.8 (38)
5th Percentile	13.3	32.6	32.6	30.1	21.1	17.1	29.5	35.4	0.7
1st Quartile	10.9	29.0	29.0	25.5	18.0	16.1	20.3	31.6	-3.9
Median	9.8	26.6	26.6	23.7	16.8	15.4	14.8	29.1	-5.7
3rd Quartile	8.3	22.9	22.9	20.4	14.6	13.8	9.6	26.0	-7.6
95th Percentile	6.0	17.9	17.9	15.4	10.3	9.9	1.6	16.9	-11.8
Population	161	160	160	154	134	107	167	178	176



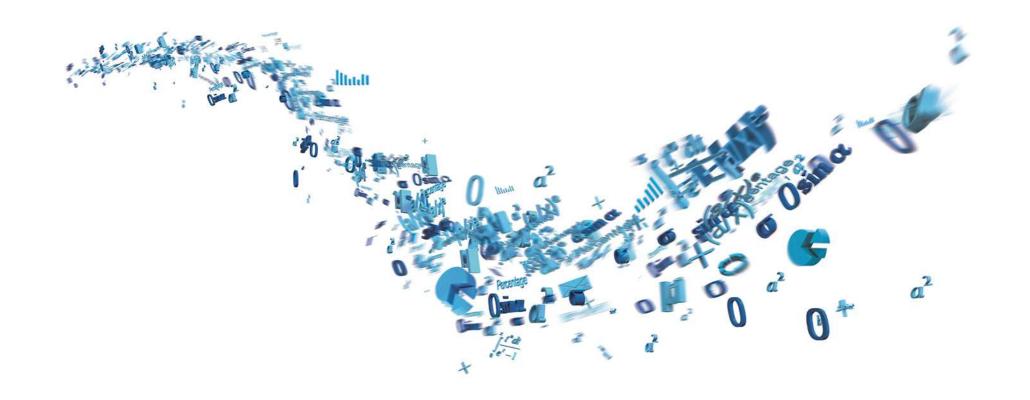
# BlackRock Russell 1000 Index Risk Profile





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	0.02	0.06	0.41	1.00	1.09	0.04	1.00	18.46	15.75	1.00	
Russell 1000 Index	0.00	0.00	N/A	1.00	1.08	0.00	1.00	18.43	15.77	1.00	
FTSE 3 Month T-Bill	-17.15	15.83	-1.08	0.04	N/A	1.17	0.00	1.11	0.26	-0.20	





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

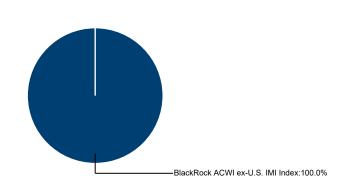


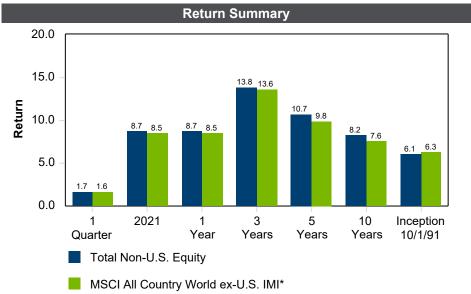
#### As of December 31, 2021

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

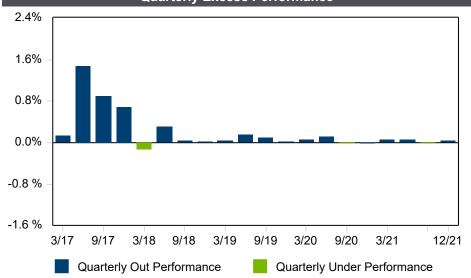


December 31, 2021 : \$1,879M

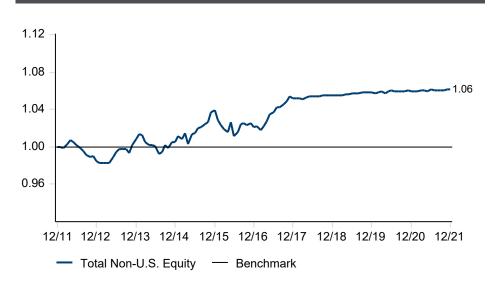




# Quarterly Excess Performance



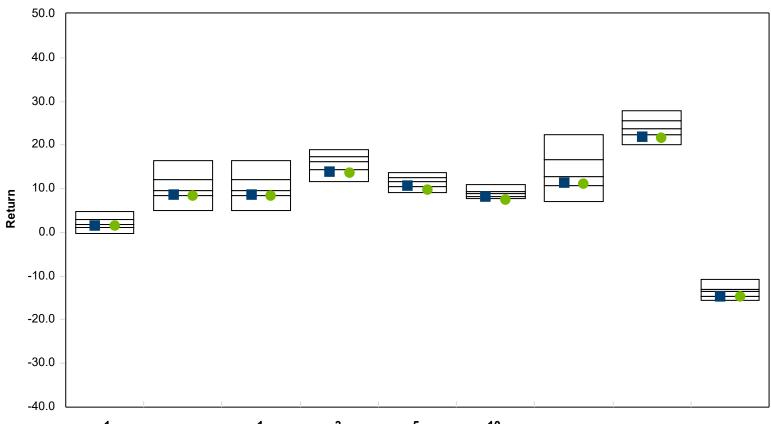
#### **Ratio of Cumulative Wealth - 10 Years**





# **Plan Sponsor Peer Group Analysis**

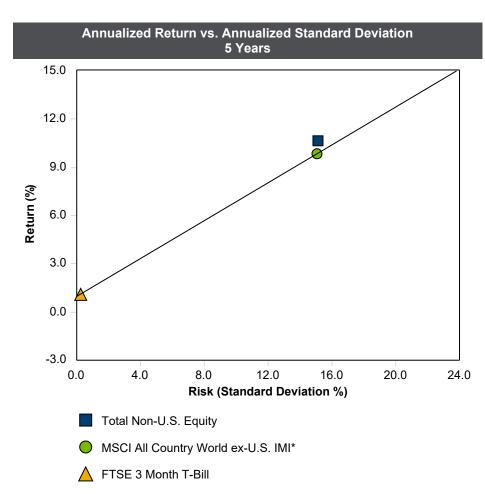
#### All Public Plans > \$1B-Intl. Equity Segment

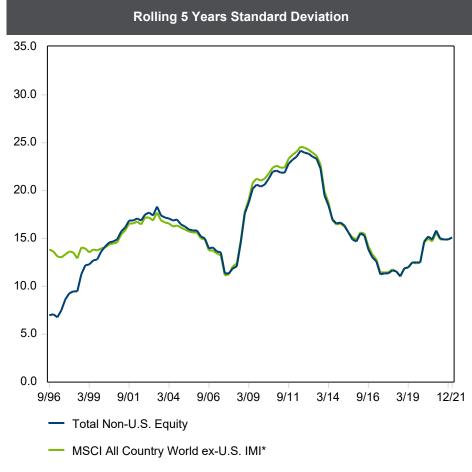


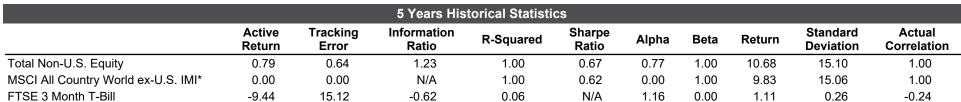
	1 Quarter	2021	1 Year	3 Years	5 Years	10 Years	2020	2019	2018
■ Total Non-U.S. Equity	1.7 (54)	8.7 (67)	8.7 (67)	13.8 (80)	10.7 (70)	8.2 (75)	11.3 (65)	22.0 (82)	-14.5 (73)
<ul> <li>MSCI All Country World ex-U.S. IMI*</li> </ul>	1.6 (55)	8.5 (71)	8.5 (71)	13.6 (83)	9.8 (89)	7.6 (98)	11.1 (66)	21.6 (84)	-14.8 (82)
5th Percentile	4.9	16.5	16.5	18.9	13.8	10.9	22.4	27.9	-10.8
1st Quartile	3.0	12.2	12.2	17.3	12.6	9.3	16.8	25.5	-13.0
Median	1.8	9.6	9.6	16.2	11.6	8.9	12.8	23.7	-13.6
3rd Quartile	1.0	8.3	8.3	14.3	10.5	8.2	10.7	22.4	-14.6
95th Percentile	-0.2	4.9	4.9	11.6	9.1	7.7	7.1	20.0	-15.5
Population	58	56	56	51	50	34	58	53	55



# Total Non-U.S. Equity Risk Profile

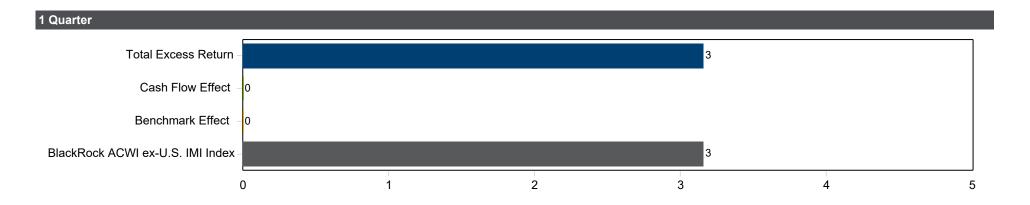


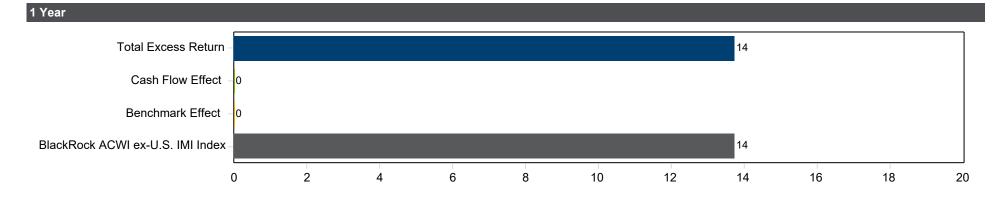


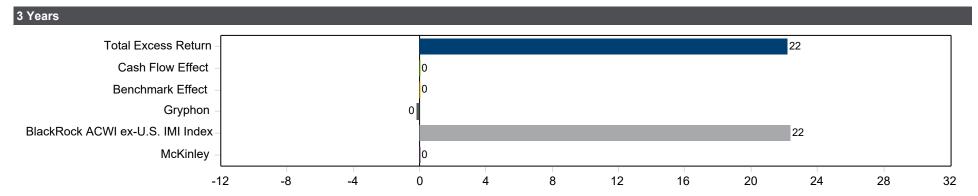




# **Asset Class Attribution**









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

#### **Account Information**

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

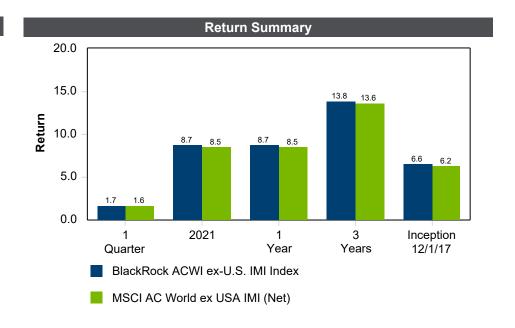
Inception Date: 12/01/2017

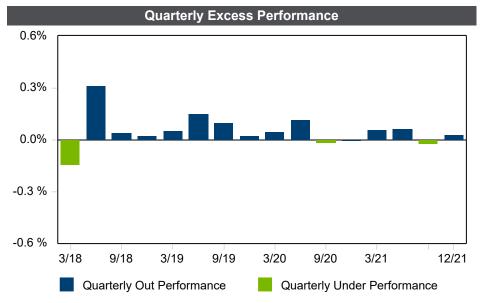
Account Structure: Commingled Fund

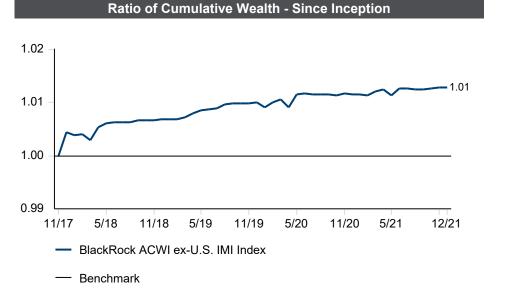
Asset Class: International Equity

Benchmark: MSCI AC World ex USA IMI (Net)

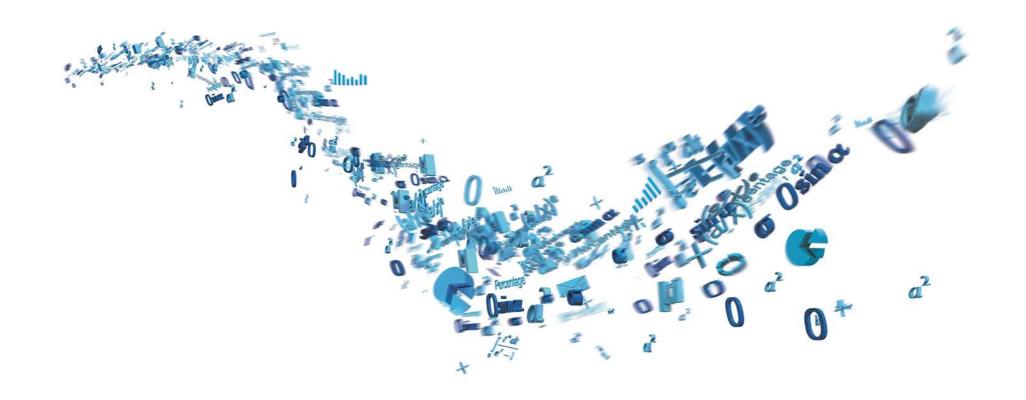
Peer Group:











# **Total Global Equity**

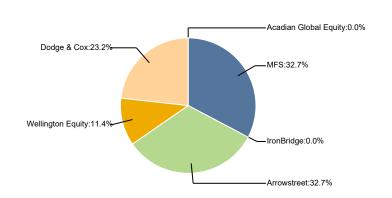


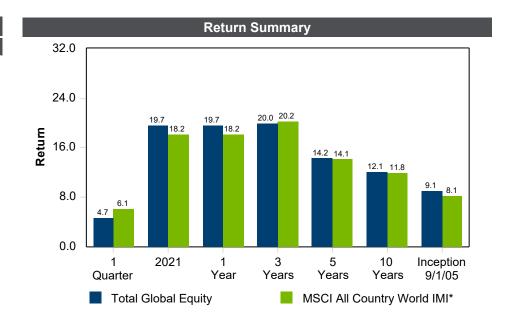
#### As of December 31, 2021

# **Total Global Equity Portfolio Overview**



December 31, 2021 : \$3,585M





#### Quarterly Excess Performance



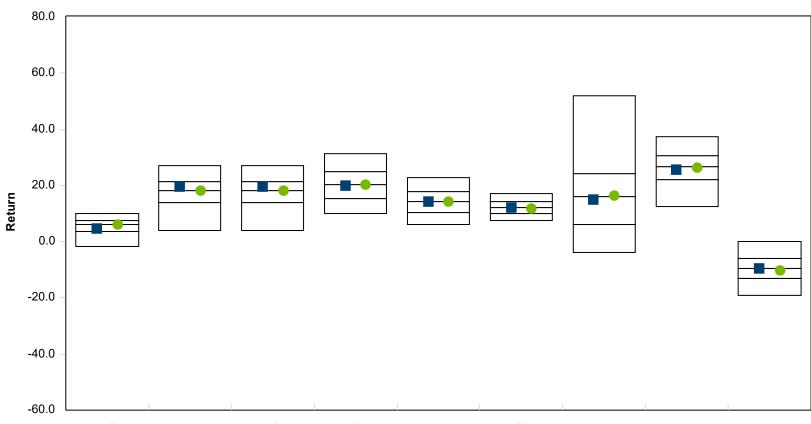
#### **Ratio of Cumulative Wealth - Since Inception**





# **Peer Group Analysis**

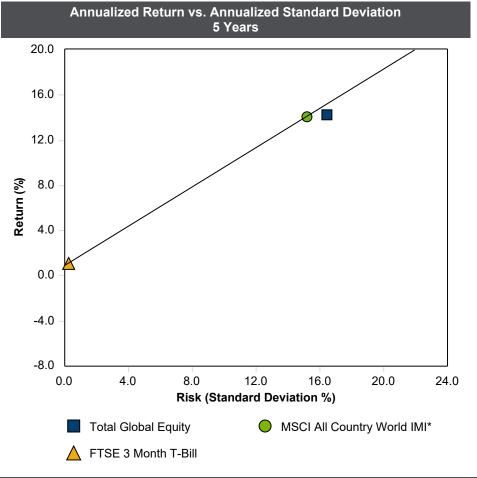
#### IM Global Equity (SA+CF)

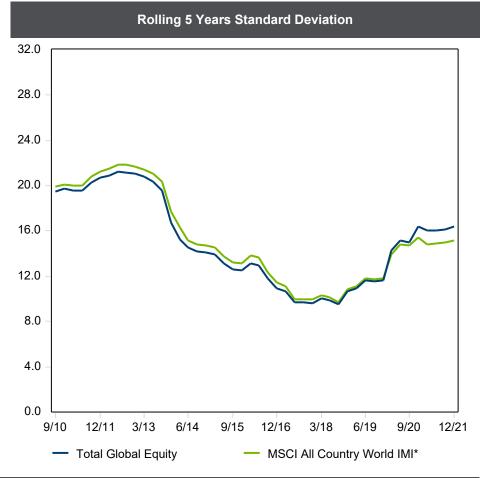


	1 Quarter	2021	1 Year	3 Years	5 Years	10 Years	2020	2019	2018
■ Total Global Equity	4.7 (62)	19.7 (37)	19.7 (37)	20.0 (53)	14.2 (49)	12.1 (52)	14.9 (54)	25.5 (59)	-9.7 (54)
MSCI All Country World IMI*	6.1 (50)	18.2 (50)	18.2 (50)	20.2 (51)	14.1 (51)	11.8 (54)	16.3 (50)	26.4 (53)	-10.1 (57)
5th Percentile	10.0	26.9	26.9	31.2	22.9	17.3	51.9	37.3	-0.1
1st Quartile	7.7	21.3	21.3	24.8	18.0	14.2	24.2	30.8	-5.9
Median	6.0	18.2	18.2	20.4	14.1	12.2	16.1	26.9	-9.4
3rd Quartile	3.6	13.9	13.9	15.4	10.4	9.9	6.1	22.1	-13.1
95th Percentile	-1.8	3.9	3.9	9.9	6.0	7.6	-3.8	12.6	-19.2
Population	382	376	376	353	324	205	403	425	433



# **Total Global Equity Risk Profile**



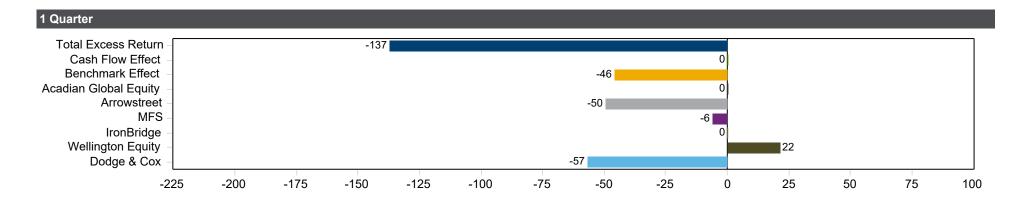


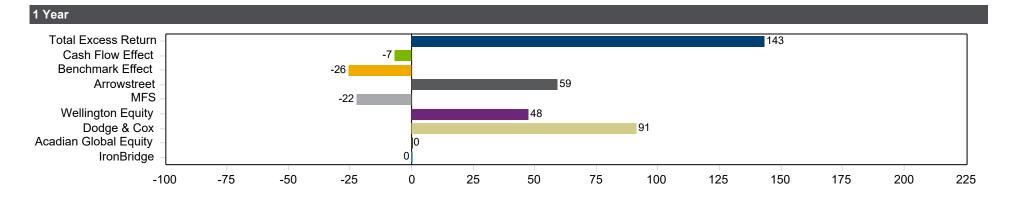
			5 Years	s Historical Sta	tistics					
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
Total Global Equity	0.30	2.75	0.11	0.98	0.83	-0.70	1.07	14.24	16.43	0.99
MSCI All Country World IMI*	0.00	0.00	N/A	1.00	0.87	0.00	1.00	14.12	15.17	1.00
FTSE 3 Month T-Bill	-13.32	15.23	-0.87	0.05	N/A	1.17	0.00	1.11	0.26	-0.23

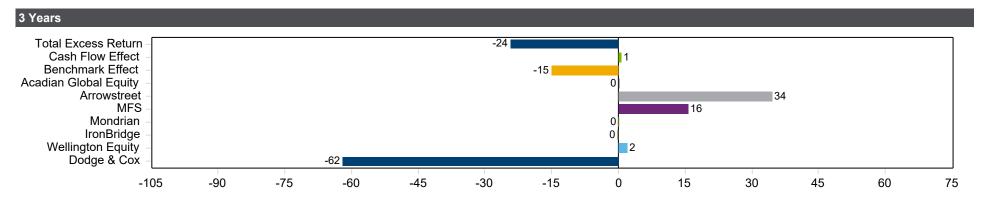


#### As of December 31, 2021

#### **Asset Class Attribution**









#### **MFS Performance Summary**

#### **Account Information**

Account Name: MFS

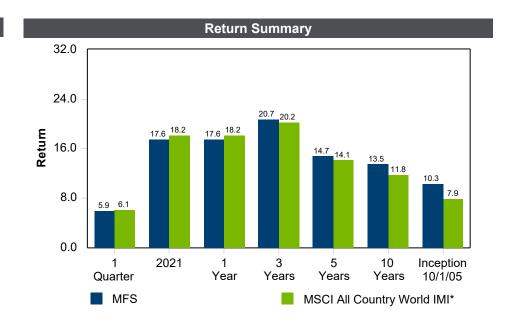
Inception Date: 10/01/2005

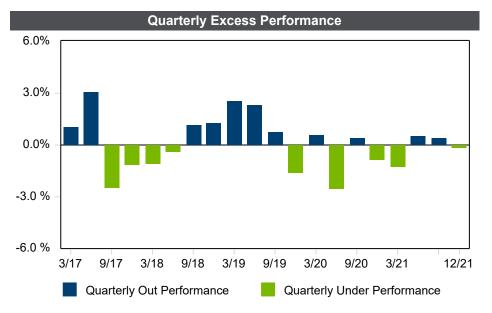
Account Structure: Separate Account

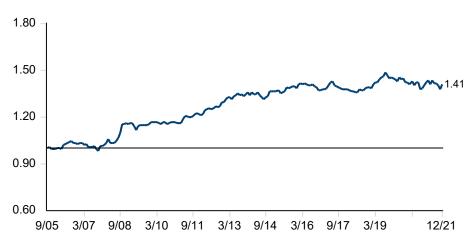
Asset Class: Global Equity

Benchmark: MSCI All Country World IMI\*

Peer Group: IM Global Equity (SA+CF)







— Benchmark

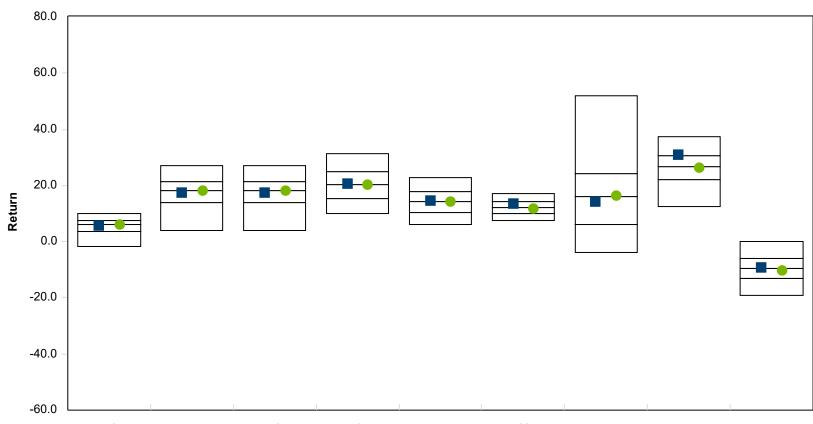
**Ratio of Cumulative Wealth - Since Inception** 



- MFS

# **Peer Group Analysis**

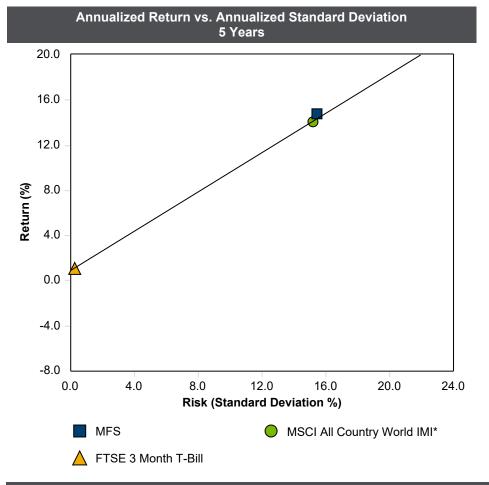
#### IM Global Equity (SA+CF)

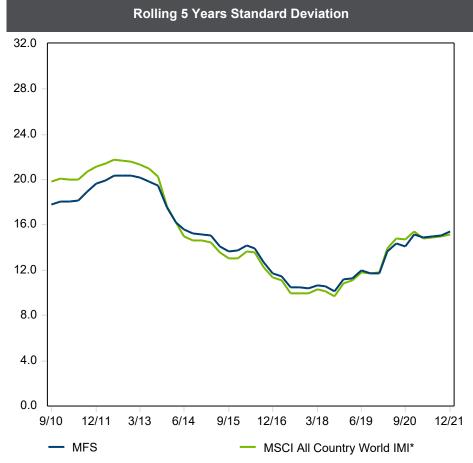


	1 Quarter	2021	1 Year	3 Years	5 Years	10 Years	2020	2019	2018
■ MFS	5.9 (52)	17.6 (53)	17.6 (53)	20.7 (48)	14.7 (45)	13.5 (31)	14.2 (56)	31.1 (24)	-9.1 (48)
<ul> <li>MSCI All Country World IMI*</li> </ul>	6.1 (50)	18.2 (50)	18.2 (50)	20.2 (51)	14.1 (51)	11.8 (54)	16.3 (50)	26.4 (53)	-10.1 (57)
5th Percentile	10.0	26.9	26.9	31.2	22.9	17.3	51.9	37.3	-0.1
1st Quartile	7.7	21.3	21.3	24.8	18.0	14.2	24.2	30.8	-5.9
Median	6.0	18.2	18.2	20.4	14.1	12.2	16.1	26.9	-9.4
3rd Quartile	3.6	13.9	13.9	15.4	10.4	9.9	6.1	22.1	-13.1
95th Percentile	-1.8	3.9	3.9	9.9	6.0	7.6	-3.8	12.6	-19.2
Population	382	376	376	353	324	205	403	425	433



# MFS Risk Profile





5 Years Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
MFS	0.59	3.89	0.15	0.94	0.90	0.80	0.99	14.75	15.45	0.97
MSCI All Country World IMI*	0.00	0.00	N/A	1.00	0.87	0.00	1.00	14.12	15.17	1.00
FTSE 3 Month T-Bill	-13.32	15.23	-0.87	0.05	N/A	1.17	0.00	1.11	0.26	-0.23



#### As of December 31, 2021

#### **Arrowstreet Performance Summary**

#### **Account Information**

Account Name: Arrowstreet

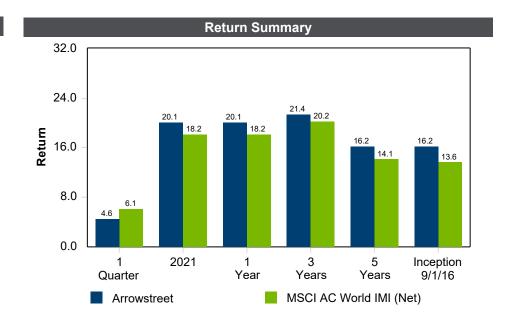
Inception Date: 09/01/2016

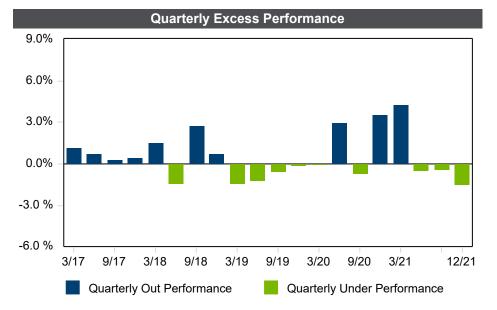
Account Structure: Separate Account

Asset Class: Global Equity

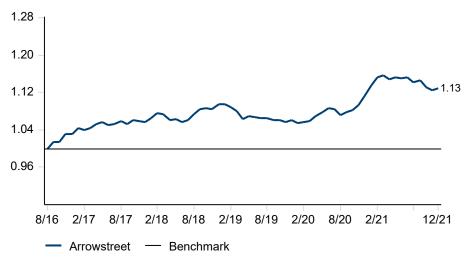
Benchmark: MSCI AC World IMI (Net)

Peer Group: IM Global Equity (SA+CF)





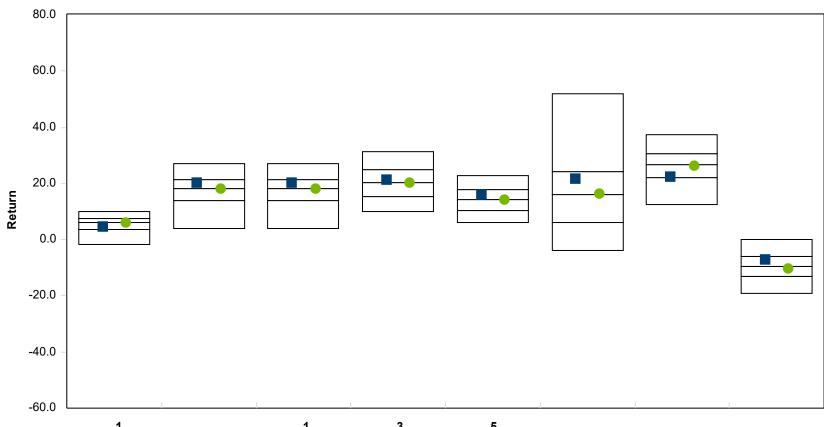
#### **Ratio of Cumulative Wealth - Since Inception**





# **Peer Group Analysis**

#### IM Global Equity (SA+CF)



	1 Quarter	2021	1 Year	3 Years	5 Years	2020	2019	2018
Arrowstreet	4.6 (63)	20.1 (32)	20.1 (32)	21.4 (44)	16.2 (33)	21.8 (30)	22.4 (74)	-6.9 (32)
<ul><li>MSCI AC World IMI (Net)</li></ul>	6.1 (50)	18.2 (50)	18.2 (50)	20.2 (51)	14.1 (51)	16.3 (50)	26.4 (53)	-10.1 (57)
5th Percentile	10.0	26.9	26.9	31.2	22.9	51.9	37.3	-0.1
1st Quartile	7.7	21.3	21.3	24.8	18.0	24.2	30.8	-5.9
Median	6.0	18.2	18.2	20.4	14.1	16.1	26.9	-9.4
3rd Quartile	3.6	13.9	13.9	15.4	10.4	6.1	22.1	-13.1
95th Percentile	-1.8	3.9	3.9	9.9	6.0	-3.8	12.6	-19.2
Population	382	376	376	353	324	403	425	433



#### **Wellington Equity Performance Summary**

#### **Account Information**

Account Name: Wellington Equity

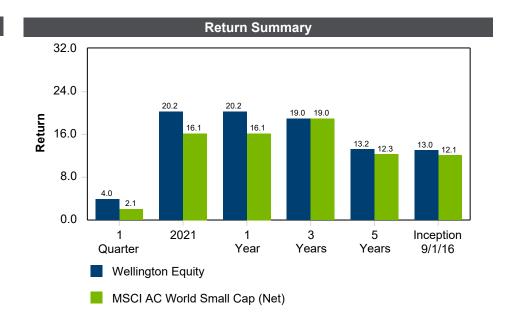
Inception Date: 09/01/2016

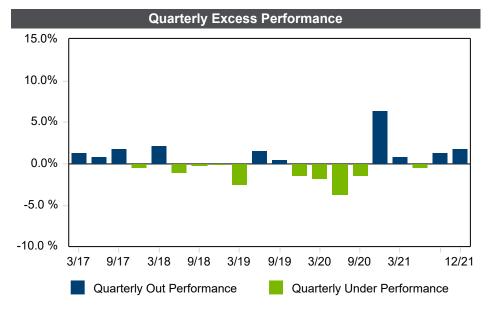
Account Structure: Separate Account

Asset Class: Global Equity

Benchmark: MSCI AC World Small Cap (Net)

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





# 1.05 -1.00 -1.00 -0.95 -

2/19 8/19

2/17 8/17 2/18 8/18

Wellington Equity — Benchmark

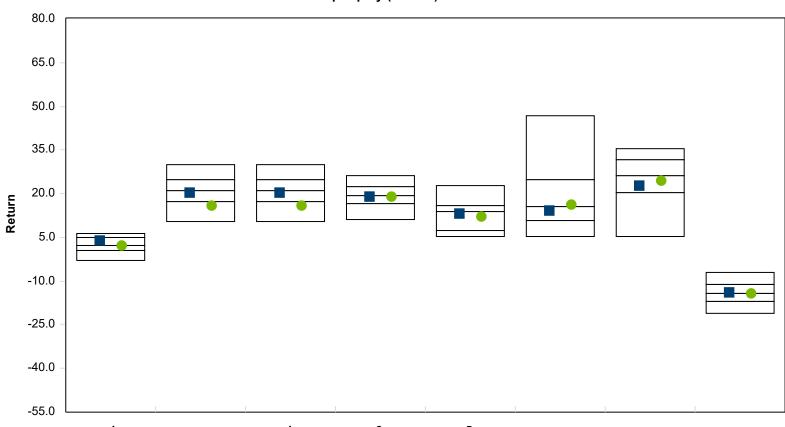
**Ratio of Cumulative Wealth - Since Inception** 



12/21

# **Peer Group Analysis**

#### IM Global Small Cap Equity (SA+CF)



	1 Quarter	2021	1 Year	3 Years	5 Years	2020	2019	2018
■ Wellington Equity	4.0 (41)	20.2 (54)	20.2 (54)	19.0 (55)	13.2 (54)	14.1 (55)	22.7 (69)	-13.8 (43)
<ul> <li>MSCI AC World Small Cap (Net)</li> </ul>	2.1 (55)	16.1 (81)	16.1 (81)	19.0 (55)	12.3 (62)	16.3 (50)	24.7 (62)	-14.4 (53)
5th Percentile	6.3	29.9	29.9	26.2	22.7	46.7	35.6	-6.9
1st Quartile	4.9	24.9	24.9	22.4	15.8	24.9	31.9	-11.0
Median	2.4	21.1	21.1	19.3	14.0	15.7	26.4	-14.1
3rd Quartile	0.6	17.3	17.3	16.6	7.2	10.9	20.5	-16.9
95th Percentile	-3.0	10.4	10.4	11.1	5.4	5.5	5.3	-21.0
Population	27	26	26	20	19	27	29	33



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

#### **Account Information**

Account Name: Dodge & Cox

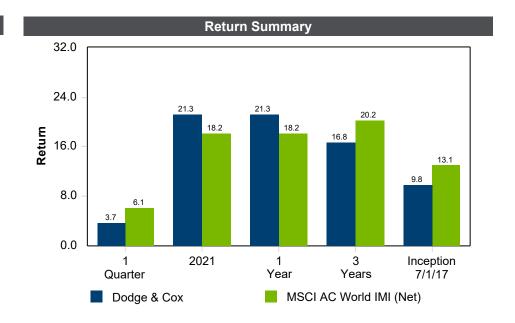
Inception Date: 07/01/2017

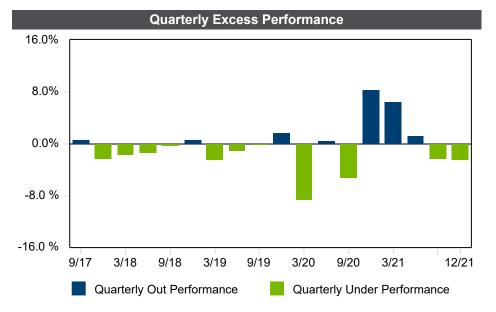
Account Structure: Mutual Fund

Asset Class: Global Equity

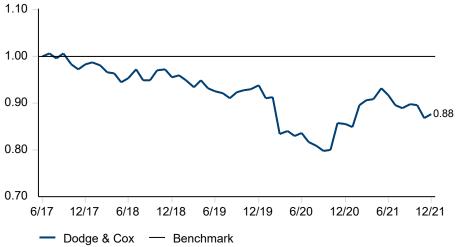
Benchmark: MSCI AC World IMI (Net)

Peer Group: IM Global Equity (MF)



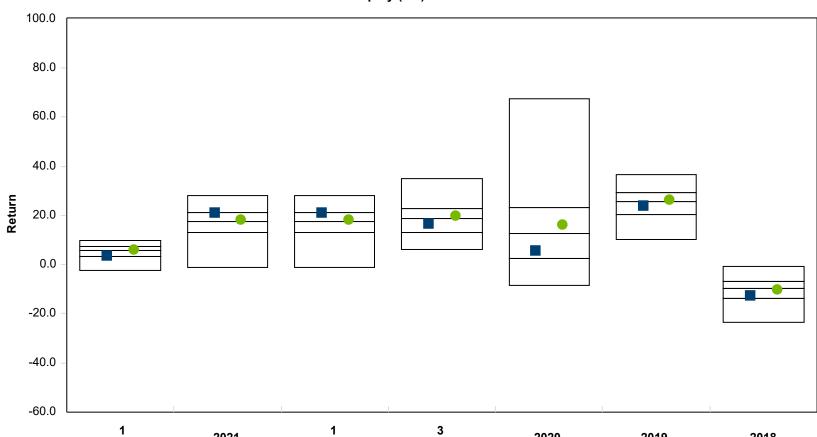


## Ratio of Cumulative Wealth - Since Inception



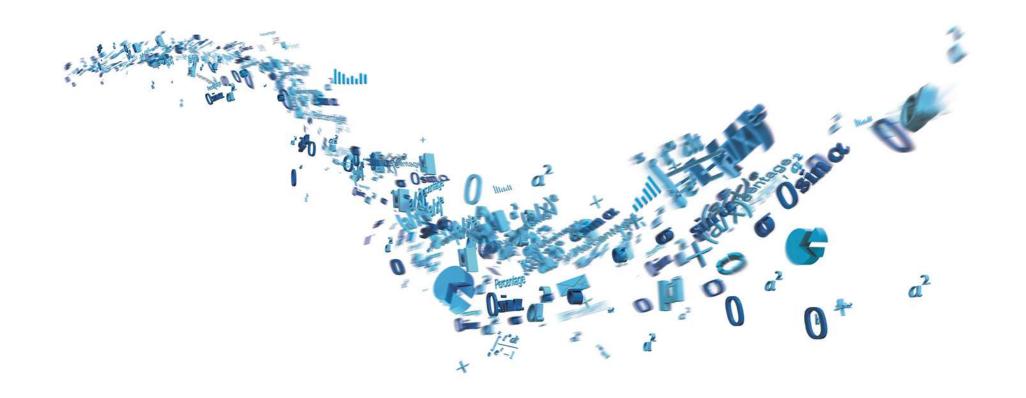


#### IM Global Equity (MF)



	1 Quarter	2021	1 Year	3 Years	2020	2019	2018
■ Dodge & Cox	3.7 (72)	21.3 (26)	21.3 (26)	16.8 (59)	6.0 (67)	23.9 (61)	-12.6 (67)
<ul> <li>MSCI AC World IMI (Net)</li> </ul>	6.1 (49)	18.2 (45)	18.2 (45)	20.2 (41)	16.3 (35)	26.4 (46)	-10.1 (53)
5th Percentile	9.8	28.1	28.1	34.9	67.6	36.5	-0.8
1st Quartile	7.3	21.3	21.3	22.8	23.1	29.4	-6.6
Median	6.0	17.6	17.6	18.8	12.7	25.6	-9.7
3rd Quartile	3.2	13.1	13.1	13.2	2.6	20.4	-13.7
95th Percentile	-2.5	-1.2	-1.2	6.1	-8.4	10.1	-23.4
Population	292	292	292	292	302	324	349





### **Total Fixed Income**

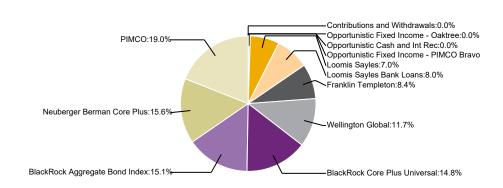


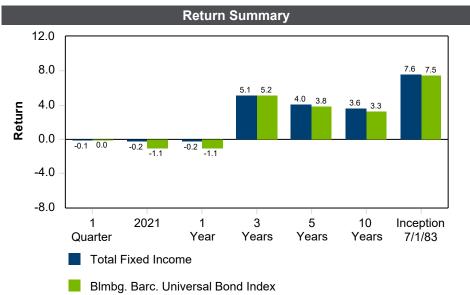
#### As of December 31, 2021

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

#### **Current Allocation**

December 31, 2021: \$4,356M

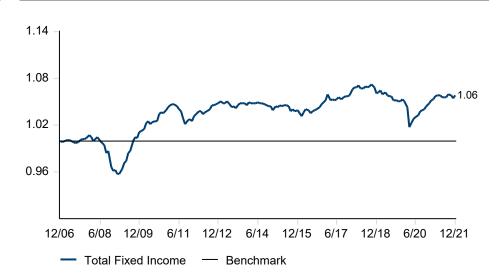




#### **Quarterly Excess Performance** 6.0% 3.0% 0.0% -3.0 % -6.0 % 3/07 9/08 3/10 9/11 3/13 9/14 3/16 9/17 3/19 12/21

Quarterly Out Performance

#### **Ratio of Cumulative Wealth - 15 Years**



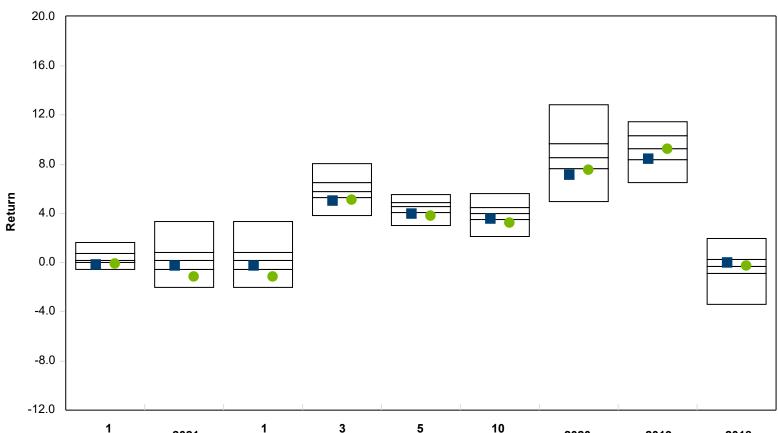


Quarterly Under Performance

#### As of December 31, 2021

#### **Plan Sponsor Peer Group Analysis**

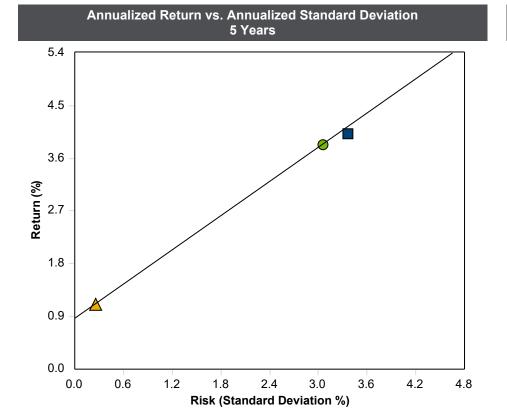
#### All Public Plans > \$1B-US Fixed Income Segment



	1 Quarter	2021	1 Year	3 Years	5 Years	10 Years	2020	2019	2018
■ Total Fixed Income	-0.1 (86)	-0.2 (61)	-0.2 (61)	5.1 (83)	4.0 (77)	3.6 (71)	7.1 (82)	8.5 (74)	0.0 (38)
<ul><li>Blmbg. Barc. Universal Bond Index</li></ul>	0.0 (79)	-1.1 (87)	-1.1 (87)	5.2 (78)	3.8 (82)	3.3 (82)	7.6 (76)	9.3 (51)	-0.3 (50)
5th Percentile	1.6	3.3	3.3	8.1	5.5	5.6	12.9	11.4	2.0
1st Quartile	0.7	0.8	0.8	6.5	4.9	4.5	9.7	10.3	0.3
Median	0.2	0.1	0.1	5.8	4.6	4.0	8.6	9.3	-0.3
3rd Quartile	0.0	-0.6	-0.6	5.3	4.1	3.5	7.7	8.4	-0.9
95th Percentile	-0.6	-2.0	-2.0	3.8	3.0	2.1	4.9	6.5	-3.4
Population	60	58	58	51	48	36	59	53	56



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



Blmbg. Barc. Universal Bond

**Total Fixed Income** 

FTSE 3 Month T-Bill

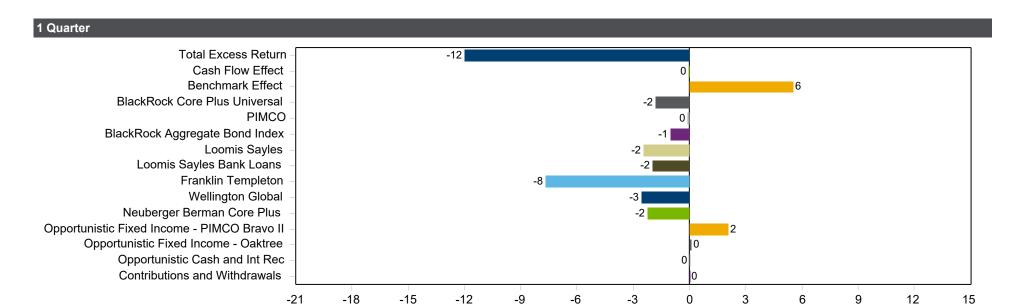


5 Years Historical Statistics											
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation	
Total Fixed Income	0.18	1.53	0.12	0.79	0.86	0.26	0.98	4.02	3.36	0.89	
Blmbg. Barc. Universal Bond	0.00	0.00	N/A	1.00	0.90	0.00	1.00	3.84	3.05	1.00	
FTSE 3 Month T-Bill	-2.71	3.01	-0.90	0.04	N/A	1.05	0.02	1.11	0.26	0.21	



#### As of December 31, 2021

#### **Asset Class Attribution**



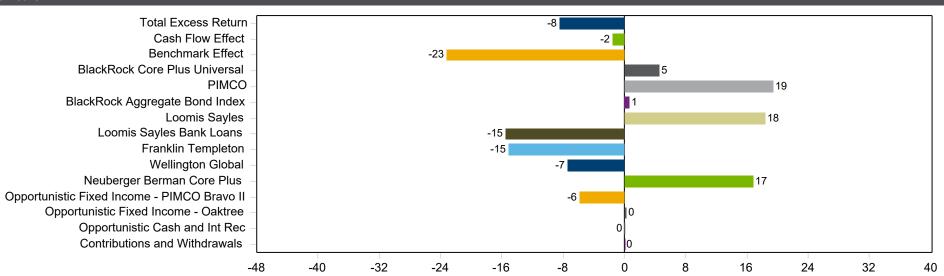
#### 1 Year Total Excess Return Cash Flow Effect Benchmark Effect 44 BlackRock Core Plus Universal **PIMCO** 13 BlackRock Aggregate Bond Index -1 Loomis Sayles 11 Loomis Sayles Bank Loans -19 Franklin Templeton Wellington Global Neuberger Berman Core Plus Opportunistic Fixed Income - PIMCO Bravo II 18 Opportunistic Fixed Income - Oaktree Opportunistic Cash and Int Rec Contributions and Withdrawals 20 40 -60 -40 -20 0 60 80 100 120 140



#### As of December 31, 2021

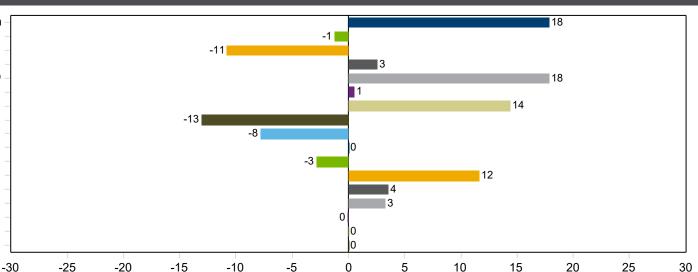
#### **Asset Class Attribution**

#### 3 Years



#### 5 Years

Total Excess Return Cash Flow Effect Benchmark Effect BlackRock Core Plus Universal **PIMCO** BlackRock Aggregate Bond Index Loomis Sayles Loomis Sayles Bank Loans Franklin Templeton Rogge Global Wellington Global Neuberger Berman Core Plus Opportunistic Fixed Income - PIMCO Bravo II Opportunistic Fixed Income - Oaktree Opportunistic Cash and Int Rec Contributions and Withdrawals BlackRock Mortgage Investors





#### **BlackRock Aggregate Bond Index Performance Summary**

#### **Account Information**

Account Name: BlackRock Aggregate Bond Index

Inception Date: 02/01/2006

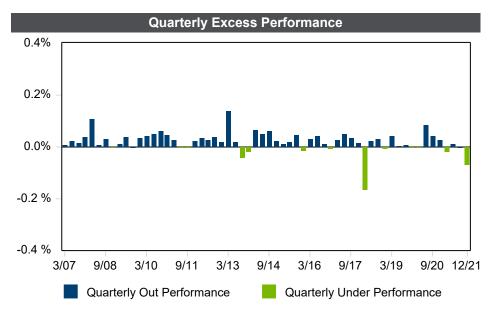
Account Structure: Commingled Fund

Asset Class: US Fixed Income

Benchmark: Blmbg. Barc. Aggregate Bond Index

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

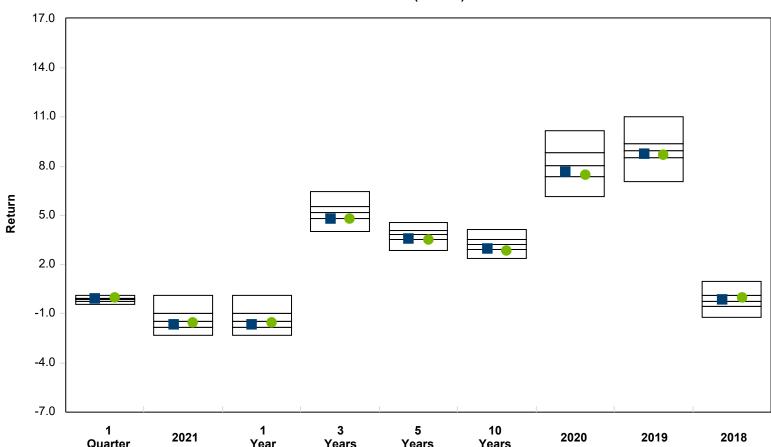




# 1.02 1.01 1.00



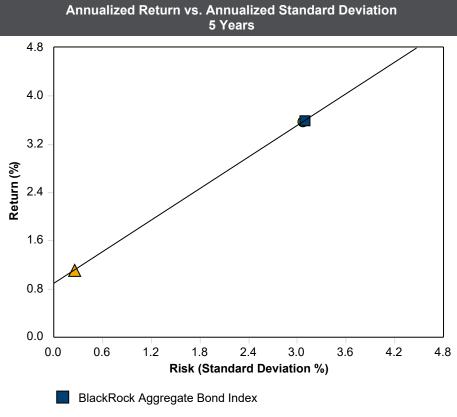
IM U.S. Broad Market Core Fixed Income (SA+CF)



	1 Quarter	2021	1 Year	3 Years	5 Years	10 Years	2020	2019	2018
■ BlackRock Aggregate Bond Index	-0.1 (28)	-1.6 (59)	-1.6 (59)	4.8 (69)	3.6 (70)	3.0 (75)	7.7 (62)	8.8 (64)	-0.1 (39)
<ul><li>Blmbg. Barc. Aggregate Bond Index</li></ul>	0.0 (16)	-1.5 (53)	-1.5 (53)	4.8 (77)	3.6 (73)	2.9 (81)	7.5 (69)	8.7 (69)	0.0 (32)
5th Percentile	0.1	0.1	0.1	6.5	4.6	4.2	10.2	11.1	1.0
1st Quartile	0.0	-1.0	-1.0	5.5	4.1	3.5	8.8	9.4	0.1
Median	-0.1	-1.5	-1.5	5.2	3.8	3.3	8.0	9.0	-0.2
3rd Quartile	-0.2	-1.8	-1.8	4.8	3.6	3.0	7.4	8.5	-0.5
95th Percentile	-0.4	-2.3	-2.3	4.0	2.9	2.4	6.2	7.0	-1.2
Population	90	89	89	87	79	69	95	98	99

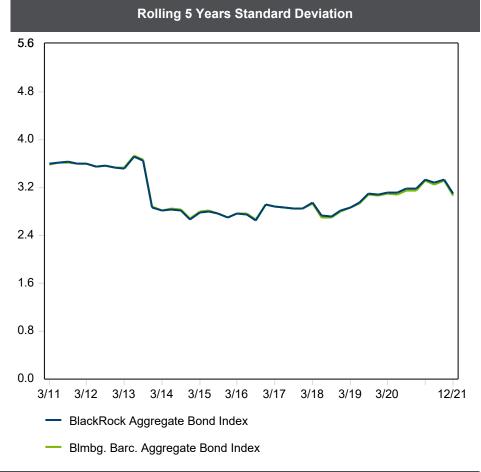


#### BlackRock Aggregate Bond Index Risk Profile



Blmbg. Barc. Aggregate Bond Index

FTSE 3 Month T-Bill



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	0.03	0.09	0.31	1.00	0.82	-0.01	1.01	3.60	3.10	1.00	
Blmbg. Barc. Aggregate Bond Index	0.00	0.00	N/A	1.00	0.82	0.00	1.00	3.57	3.06	1.00	
FTSE 3 Month T-Bill	-2.45	3.00	-0.82	0.07	N/A	1.03	0.02	1.11	0.26	0.27	



#### **BlackRock Core Plus Universal Performance Summary**

#### **Account Information**

Account Name: BlackRock Core Plus Universal

Inception Date: 04/01/1998

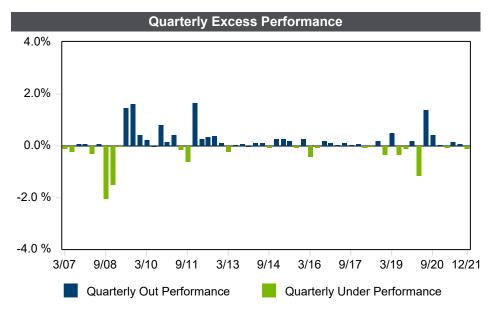
Account Structure: Separate Account

Asset Class: US Fixed Income

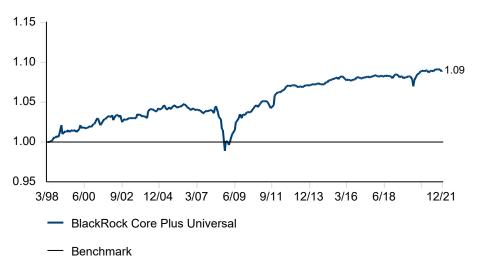
Benchmark: Blmbg. Barc. Universal Bond Index\*

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



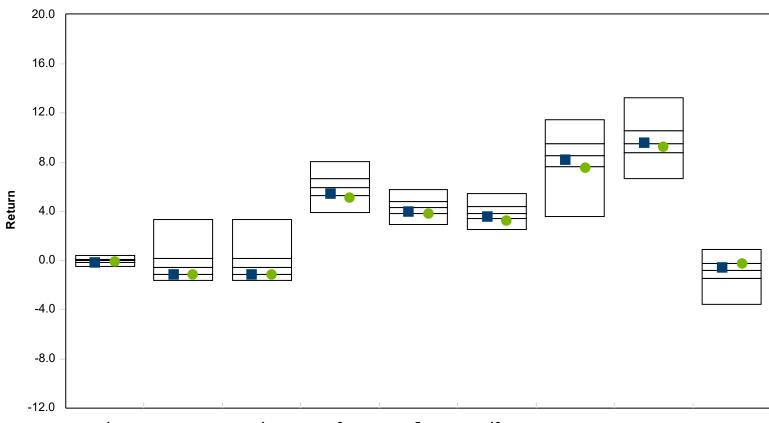


#### Ratio of Cumulative Wealth - Since Inception





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

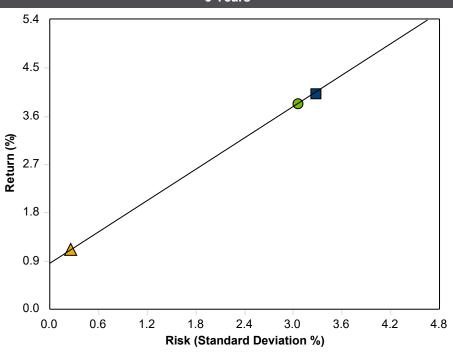


	1 Quarter	2021	1 Year	3 Years	5 Years	10 Years	2020	2019	2018
■ BlackRock Core Plus Universal	-0.2 (77)	-1.1 (74)	-1.1 (74)	5.5 (67)	4.0 (68)	3.6 (68)	8.3 (59)	9.6 (50)	-0.5 (43)
<ul><li>Blmbg. Barc. Universal Bond Index*</li></ul>	0.0 (54)	-1.1 (76)	-1.1 (76)	5.2 (80)	3.8 (78)	3.3 (80)	7.6 (78)	9.3 (58)	-0.3 (29)
5th Percentile	0.4	3.3	3.3	8.1	5.8	5.5	11.5	13.3	0.9
1st Quartile	0.1	0.1	0.1	6.6	4.8	4.4	9.5	10.6	-0.2
Median	0.0	-0.5	-0.5	5.9	4.3	3.8	8.5	9.5	-0.8
3rd Quartile	-0.1	-1.1	-1.1	5.3	3.8	3.5	7.7	8.8	-1.5
95th Percentile	-0.5	-1.6	-1.6	3.9	2.9	2.5	3.6	6.6	-3.5
Population	110	110	110	108	101	90	122	126	125



#### **BlackRock Core Plus Universal Risk Profile**

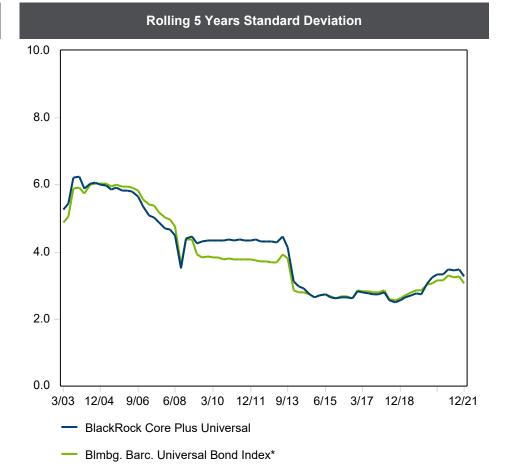




■ BlackRock Core Plus Universal

Blmbg. Barc. Universal Bond Index\*

FTSE 3 Month T-Bill



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	0.18	0.65	0.28	0.96	0.89	-0.03	1.05	4.02	3.28	0.98	
Blmbg. Barc. Universal Bond Index*	0.00	0.00	N/A	1.00	0.90	0.00	1.00	3.84	3.05	1.00	
FTSE 3 Month T-Bill	-2.71	3.01	-0.90	0.04	N/A	1.05	0.02	1.11	0.26	0.21	



#### **PIMCO Performance Summary**

#### **Account Information**

Account Name: PIMCO

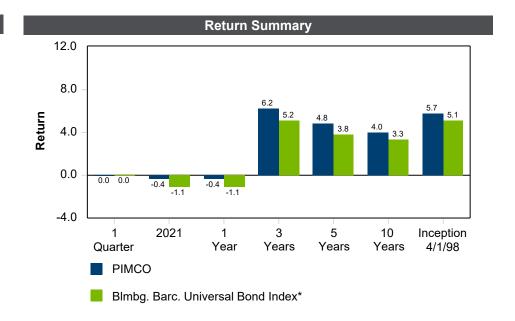
Inception Date: 04/01/1998

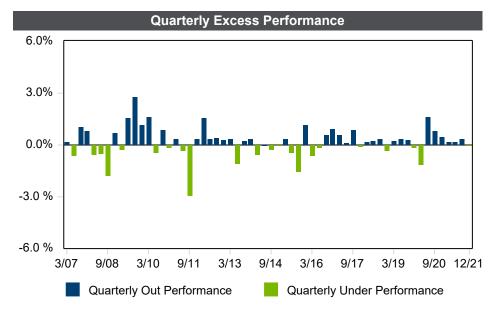
Account Structure: Separate Account

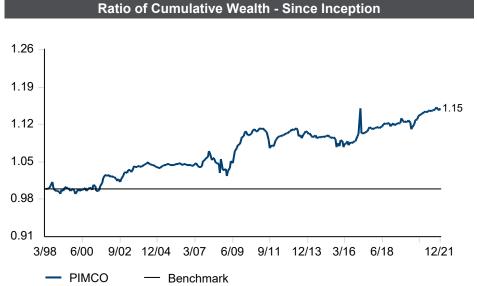
Asset Class: US Fixed Income

Benchmark: Blmbg. Barc. Universal Bond Index\*

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

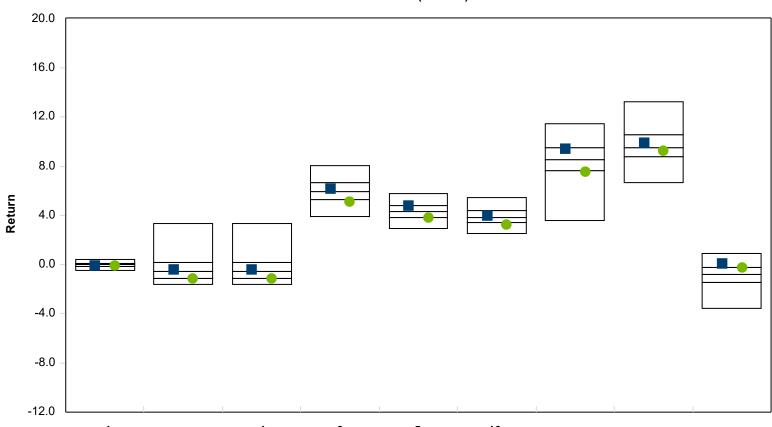








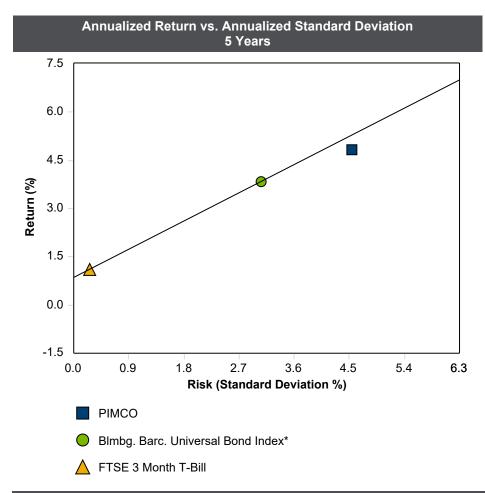
IM U.S. Broad Market Core+ Fixed Income (SA+CF)

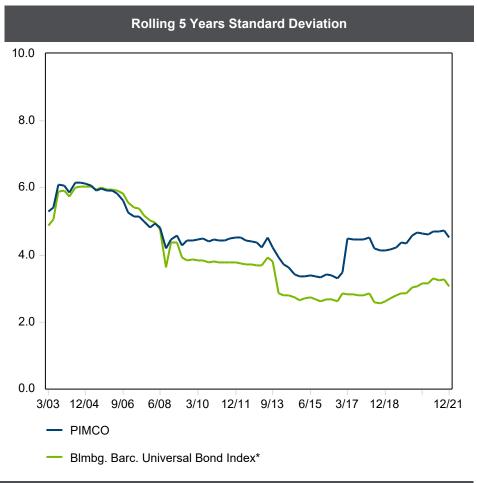


	1 Quarter	2021	1 Year	3 Years	5 Years	10 Years	2020	2019	2018
■ PIMCO	0.0 (58)	-0.4 (40)	-0.4 (40)	6.2 (40)	4.8 (22)	4.0 (43)	9.4 (28)	10.0 (36)	0.1 (15)
<ul><li>Blmbg. Barc. Universal Bond Index*</li></ul>	0.0 (54)	-1.1 (76)	-1.1 (76)	5.2 (80)	3.8 (78)	3.3 (80)	7.6 (78)	9.3 (58)	-0.3 (29)
5th Percentile	0.4	3.3	3.3	8.1	5.8	5.5	11.5	13.3	0.9
1st Quartile	0.1	0.1	0.1	6.6	4.8	4.4	9.5	10.6	-0.2
Median	0.0	-0.5	-0.5	5.9	4.3	3.8	8.5	9.5	-0.8
3rd Quartile	-0.1	-1.1	-1.1	5.3	3.8	3.5	7.7	8.8	-1.5
95th Percentile	-0.5	-1.6	-1.6	3.9	2.9	2.5	3.6	6.6	-3.5
Population	110	110	110	108	101	90	122	126	125



#### **PIMCO Risk Profile**





5 Years Historical Statistics											
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation	
PIMCO	1.01	2.87	0.35	0.61	0.82	0.39	1.16	4.83	4.54	0.78	
Blmbg. Barc. Universal Bond Index*	0.00	0.00	N/A	1.00	0.90	0.00	1.00	3.84	3.05	1.00	
FTSE 3 Month T-Bill	-2.71	3.01	-0.90	0.04	N/A	1.05	0.02	1.11	0.26	0.21	



#### **Neuberger Berman Core Plus Performance Summary**

#### **Account Information**

Account Name: Neuberger Berman Core Plus

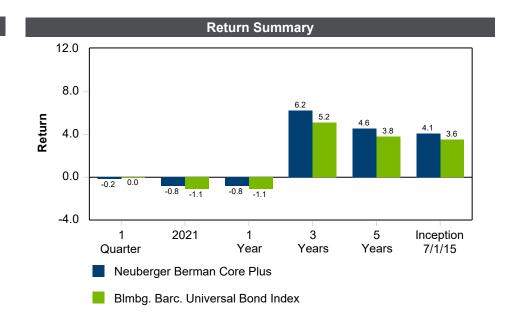
Inception Date: 07/01/2015

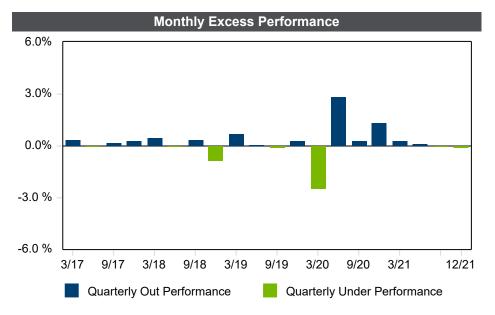
Account Structure: Separate Account

Asset Class: US Fixed Income

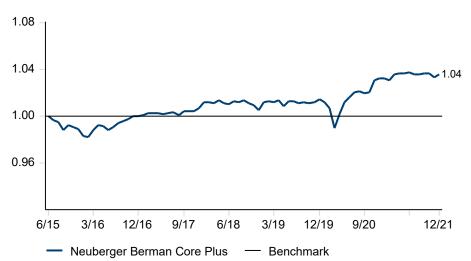
Benchmark: Barclays Universal

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



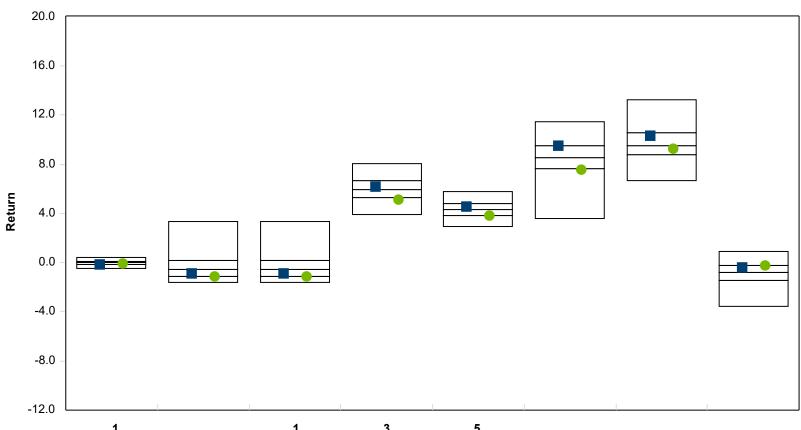


#### **Ratio of Cumulative Wealth - Since Inception**





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

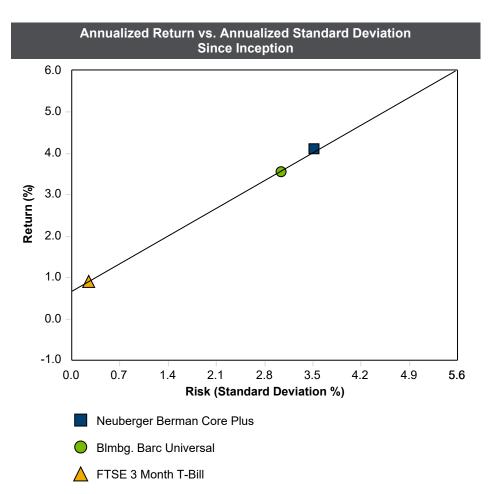


	1 Quarter	2021	1 Year	3 Years	5 Years	2020	2019	2018
■ Neuberger Berman Core Plus	-0.2 (79)	-0.8 (61)	-0.8 (61)	6.2 (41)	4.6 (35)	9.5 (26)	10.3 (29)	-0.4 (36)
Blmbg. Barc. Universal	0.0 (54)	-1.1 (76)	-1.1 (76)	5.2 (80)	3.8 (78)	7.6 (78)	9.3 (58)	-0.3 (29)
5th Percentile	0.4	3.3	3.3	8.1	5.8	11.5	13.3	0.9
1st Quartile	0.1	0.1	0.1	6.6	4.8	9.5	10.6	-0.2
Median	0.0	-0.5	-0.5	5.9	4.3	8.5	9.5	-0.8
3rd Quartile	-0.1	-1.1	-1.1	5.3	3.8	7.7	8.8	-1.5
95th Percentile	-0.5	-1.6	-1.6	3.9	2.9	3.6	6.6	-3.5
Population	110	110	110	108	101	122	126	125



#### As of December 31, 2021

#### **Neuberger Berman Core Plus Risk Profile**





Since Inception Historical Statistics											
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation	Inception Date
Neuberger Berman Core Plus	0.55	1.36	0.41	0.85	0.92	0.30	1.07	4.13	3.52	0.92	07/01/2015
Blmbg. Barc Universal	0.00	0.00	N/A	1.00	0.92	0.00	1.00	5.93	3.54	1.00	01/01/1990
FTSE 3 Month T-Bill	-2.66	3.00	-0.89	0.03	N/A	0.85	0.02	0.90	0.25	0.18	07/01/2015



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

#### **Account Information**

Account Name: Loomis Sayles

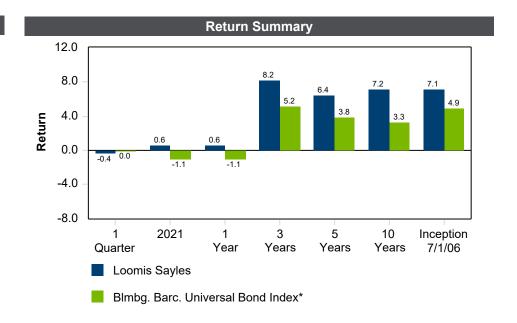
Inception Date: 07/01/2006

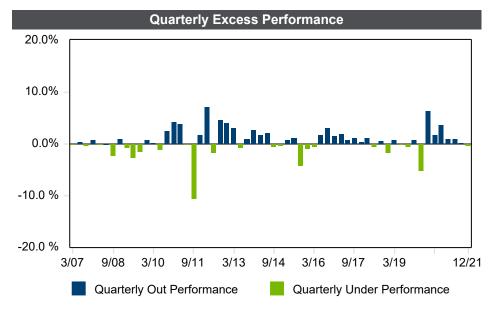
Account Structure: Separate Account

Asset Class: US Fixed Income

Benchmark: Blmbg. Barc. Universal Bond Index\*

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



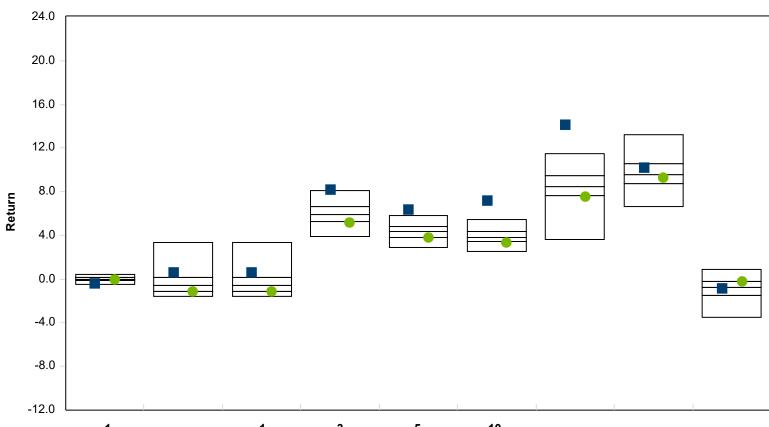


## 1.80 1.50 1.20 0.90 0.60 6/06 12/07 6/09 12/10 6/12 12/13 6/15 12/16 6/18 12/19 12/21 — Loomis Sayles — Benchmark

**Ratio of Cumulative Wealth - Since Inception** 



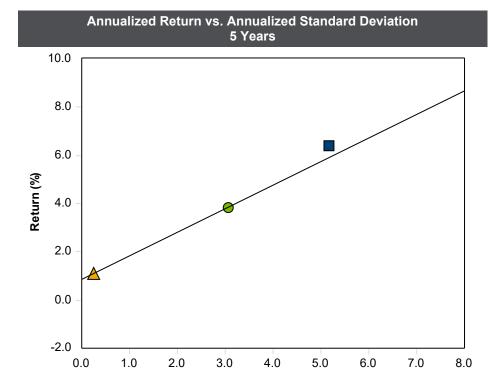
IM U.S. Broad Market Core+ Fixed Income (SA+CF)



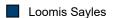
	1 Quarter	2021	1 Year	3 Years	5 Years	10 Years	2020	2019	2018
■ Loomis Sayles	-0.4 (94)	0.6 (20)	0.6 (20)	8.2 (3)	6.4 (1)	7.2 (1)	14.1 (4)	10.2 (30)	-0.9 (55)
Blmbg. Barc. Universal Bond Index*	0.0 (54)	-1.1 (76)	-1.1 (76)	5.2 (80)	3.8 (78)	3.3 (80)	7.6 (78)	9.3 (58)	-0.3 (29)
5th Percentile	0.4	3.3	3.3	8.1	5.8	5.5	11.5	13.3	0.9
1st Quartile	0.1	0.1	0.1	6.6	4.8	4.4	9.5	10.6	-0.2
Median	0.0	-0.5	-0.5	5.9	4.3	3.8	8.5	9.5	-0.8
3rd Quartile	-0.1	-1.1	-1.1	5.3	3.8	3.5	7.7	8.8	-1.5
95th Percentile	-0.5	-1.6	-1.6	3.9	2.9	2.5	3.6	6.6	-3.5
Population	110	110	110	108	101	90	122	126	125



#### **Loomis Sayles Risk Profile**

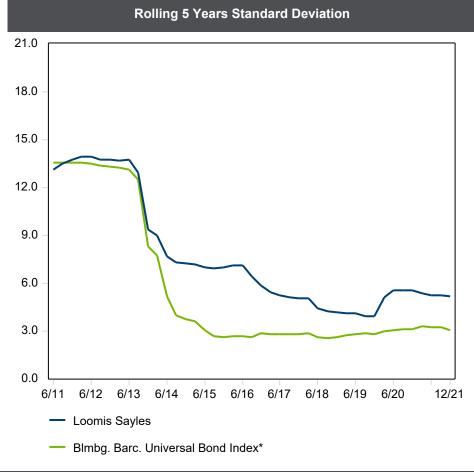


Risk (Standard Deviation %)



Blmbg. Barc. Universal Bond Index\*

FTSE 3 Month T-Bill



			5 Years His	storical Statisti	ics					
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
Loomis Sayles	2.53	3.49	0.72	0.57	1.01	1.49	1.27	6.39	5.16	0.75
Blmbg. Barc. Universal Bond Index*	0.00	0.00	N/A	1.00	0.90	0.00	1.00	3.84	3.05	1.00
FTSE 3 Month T-Bill	-2.71	3.01	-0.90	0.04	N/A	1.05	0.02	1.11	0.26	0.21



#### As of December 31, 2021

#### **Wellington Global Performance Summary**

#### **Account Information**

Account Name: Wellington Global

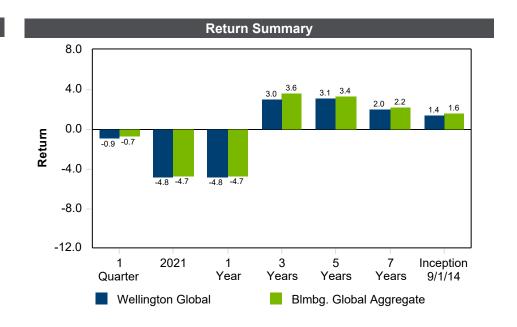
Inception Date: 09/01/2014

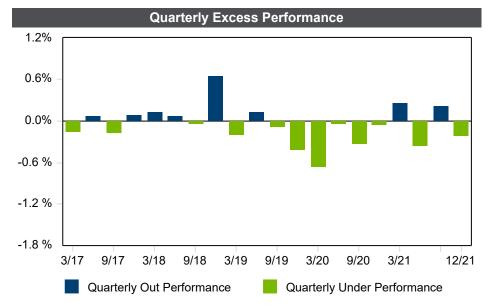
Account Structure: Separate Account

Asset Class: Global Fixed Income

Benchmark: Blmbg. Global Aggregate

Peer Group: IM Global Fixed Income (SA+CF)



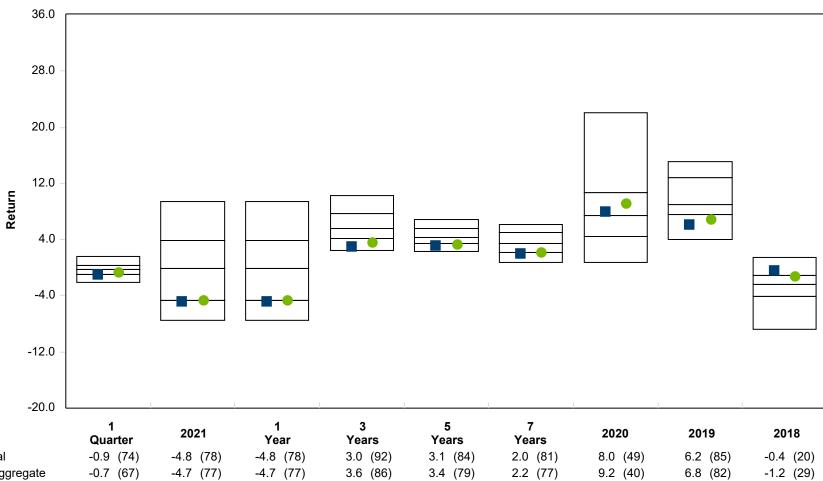


#### Ratio of Cumulative Wealth - Since Inception





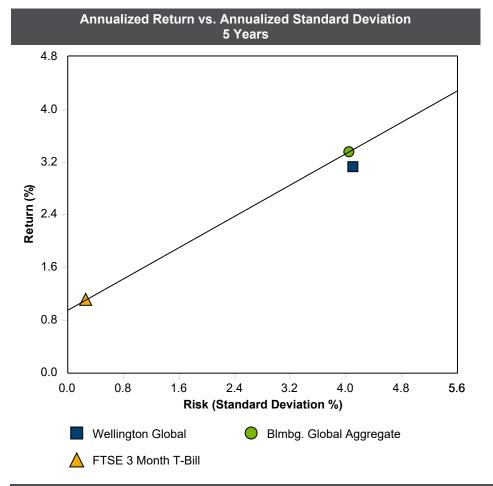
#### IM Global Fixed Income (SA+CF)

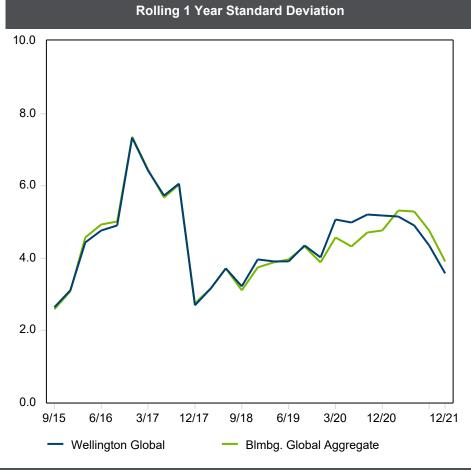


	1 Quarter	2021	1 Year	3 Years	5 Years	7 Years	2020	2019	2018
■ Wellington Global	-0.9 (74)	-4.8 (78)	-4.8 (78)	3.0 (92)	3.1 (84)	2.0 (81)	8.0 (49)	6.2 (85)	-0.4 (20)
<ul><li>Blmbg. Global Aggregate</li></ul>	-0.7 (67)	-4.7 (77)	-4.7 (77)	3.6 (86)	3.4 (79)	2.2 (77)	9.2 (40)	6.8 (82)	-1.2 (29)
5th Percentile	1.6	9.4	9.4	10.2	6.8	6.2	22.1	15.1	1.5
1st Quartile	0.3	3.9	3.9	7.8	5.5	5.1	10.7	12.8	-1.1
Median	-0.3	-0.1	-0.1	5.5	4.3	3.4	7.5	9.0	-2.4
3rd Quartile	-0.9	-4.7	-4.7	4.2	3.5	2.2	4.5	7.5	-4.1
95th Percentile	-2.1	-7.4	-7.4	2.5	2.3	0.7	8.0	4.0	-8.7
Population	145	144	144	138	133	125	159	169	180



#### **Wellington Global Risk Profile**





	5 Years Historical Statistics									
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
Wellington Global	-0.22	0.66	-0.34	0.97	0.50	-0.22	1.00	3.13	4.09	0.99
Blmbg. Global Aggregate	0.00	0.00	N/A	1.00	0.57	0.00	1.00	3.36	4.04	1.00
FTSE 3 Month T-Bill	-2.28	4.04	-0.57	0.00	N/A	1.10	0.00	1.11	0.26	0.07



#### **Loomis Sayles Bank Loans Performance Summary**

#### **Account Information**

Account Name: Loomis Sayles Bank Loans

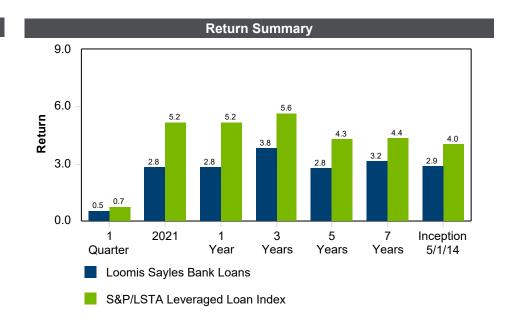
Inception Date: 05/01/2014

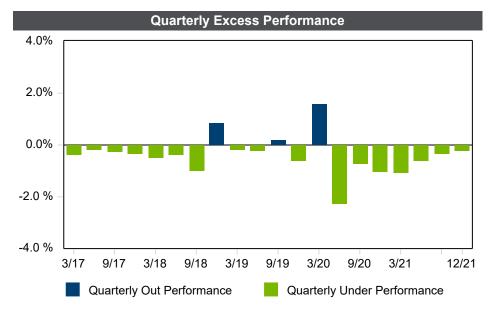
Account Structure: Separate Account

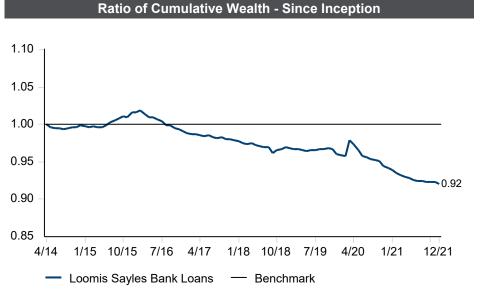
Asset Class: US Fixed Income

Benchmark: S&P/LSTA Leveraged Loan Index

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

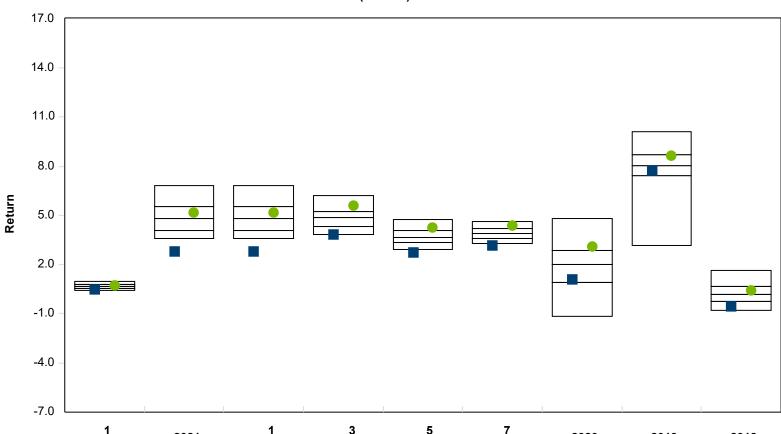








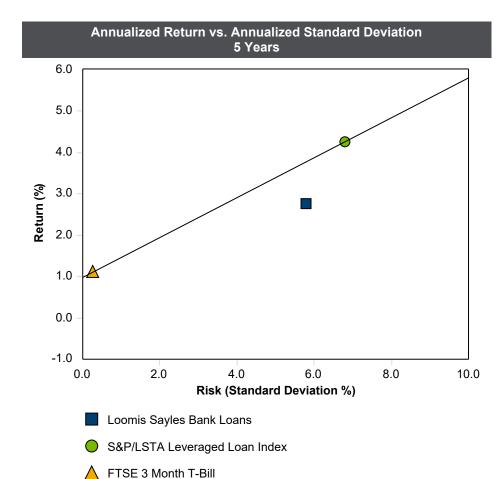
IM U.S. Bank Loans (SA+CF)

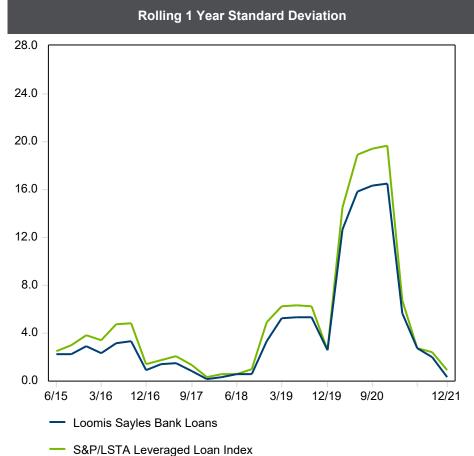


	1 Quarter	2021	1 Year	3 Years	5 Years	7 Years	2020	2019	2018
■ Loomis Sayles Bank Loans	0.5 (84)	2.8 (100)	2.8 (100)	3.8 (97)	2.8 (97)	3.2 (97)	1.1 (71)	7.7 (60)	-0.6 (86)
<ul> <li>S&amp;P/LSTA Leveraged Loan Index</li> </ul>	0.7 (36)	5.2 (35)	5.2 (35)	5.6 (17)	4.3 (18)	4.4 (21)	3.1 (17)	8.6 (31)	0.4 (40)
5th Percentile	1.0	6.8	6.8	6.2	4.7	4.6	4.8	10.1	1.6
1st Quartile	8.0	5.6	5.6	5.3	4.1	4.2	2.9	8.7	0.6
Median	0.7	4.8	4.8	4.9	3.7	3.9	2.0	8.0	0.2
3rd Quartile	0.6	4.1	4.1	4.3	3.4	3.6	0.9	7.4	-0.3
95th Percentile	0.4	3.6	3.6	3.9	3.0	3.3	-1.2	3.2	-0.8
Population	39	39	39	39	37	37	41	44	48



#### **Loomis Sayles Bank Loans Risk Profile**





**5 Years Historical Statistics** Tracking Actual Active Information Standard **Sharpe** R-Squared Alpha Return Beta Return Error Ratio Ratio Deviation Correlation Loomis Sayles Bank Loans -1.54 1.27 -1.21 0.99 0.31 -0.84 0.84 2.76 5.79 0.99 S&P/LSTA Leveraged Loan Index 0.00 0.00 N/A 1.00 0.49 0.00 1.00 4.27 6.80 1.00 FTSE 3 Month T-Bill -3.32 -0.49 0.02 -0.01 1.11 0.26 -0.16 6.85 N/A 1.14



#### **Franklin Templeton Performance Summary**

#### **Account Information**

Account Name: Franklin Templeton

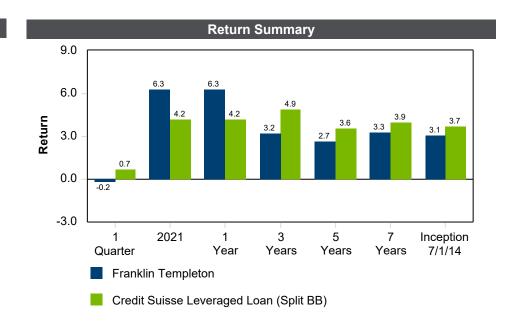
Inception Date: 07/01/2014

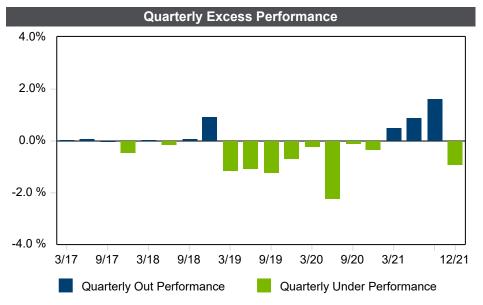
Account Structure: Separate Account

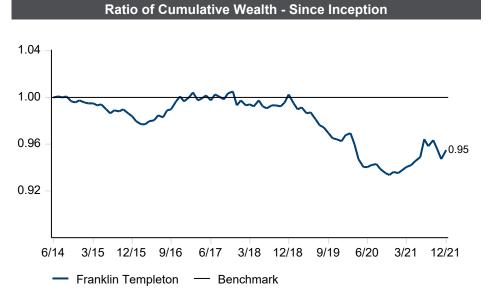
Asset Class: US Fixed Income

Benchmark: Credit Suisse Leveraged Loan (Split BB)

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

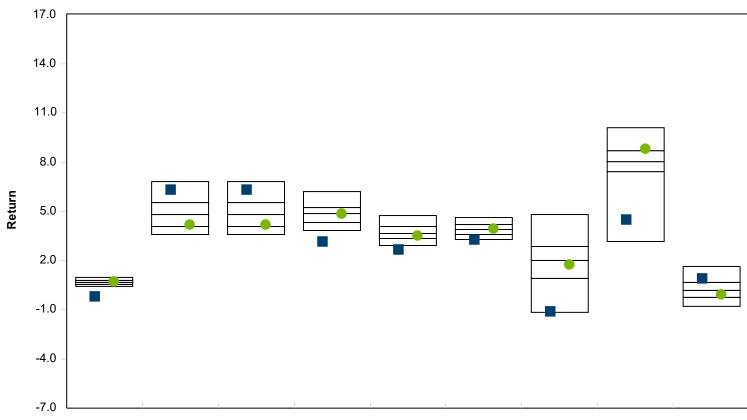








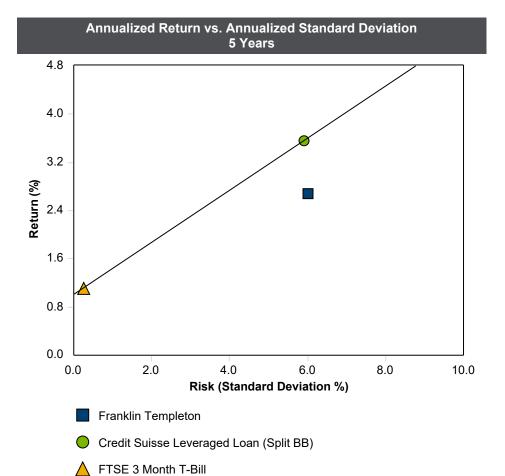
IM U.S. Bank Loans (SA+CF)

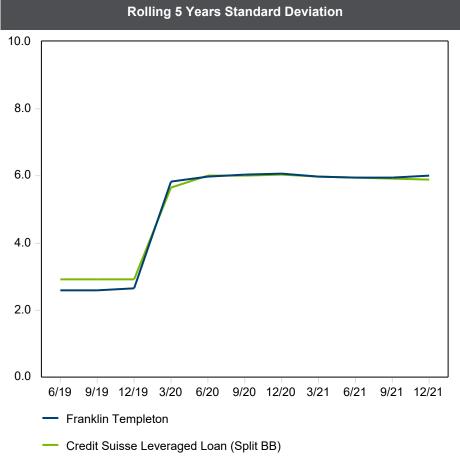


	1 Quarter	2021	1 Year	3 Years	5 Years	7 Years	2020	2019	2018
■ Franklin Templeton	-0.2 (100)	6.3 (7)	6.3 (7)	3.2 (99)	2.7 (98)	3.3 (95)	-1.1 (95)	4.5 (93)	0.9 (12)
<ul> <li>Credit Suisse Leveraged Loan (Split BB)</li> </ul>	0.7 (39)	4.2 (66)	4.2 (66)	4.9 (48)	3.6 (62)	3.9 (44)	1.8 (58)	8.9 (24)	0.0 (63)
5th Percentile	1.0	6.8	6.8	6.2	4.7	4.6	4.8	10.1	1.6
1st Quartile	8.0	5.6	5.6	5.3	4.1	4.2	2.9	8.7	0.6
Median	0.7	4.8	4.8	4.9	3.7	3.9	2.0	8.0	0.2
3rd Quartile	0.6	4.1	4.1	4.3	3.4	3.6	0.9	7.4	-0.3
95th Percentile	0.4	3.6	3.6	3.9	3.0	3.3	-1.2	3.2	-0.8
Population	39	39	39	39	37	37	41	44	48



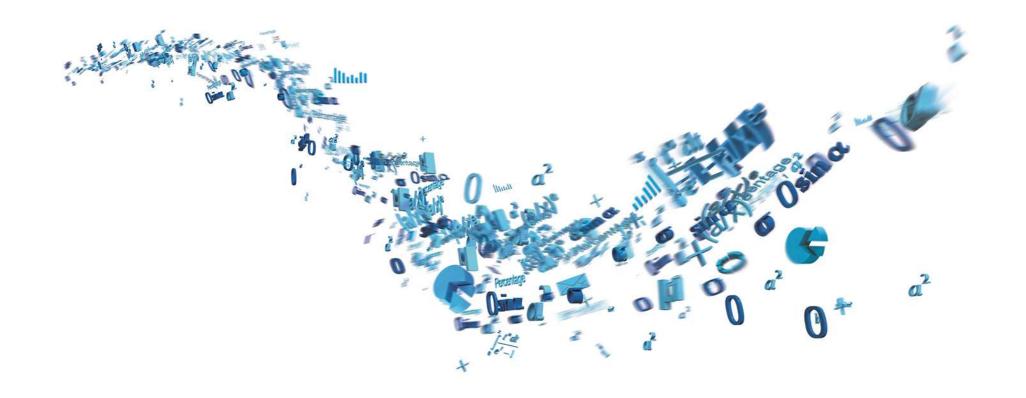
#### Franklin Templeton Risk Profile





			5 Years Histo	rical Statistics						
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
Franklin Templeton	-0.85	1.87	-0.45	0.90	0.28	-0.72	0.97	2.67	6.00	0.95
Credit Suisse Leveraged Loan (Split BB)	0.00	0.00	N/A	1.00	0.43	0.00	1.00	3.55	5.90	1.00
FTSE 3 Month T-Bill	-2.57	5.94	-0.43	0.02	N/A	1.14	-0.01	1.11	0.26	-0.14



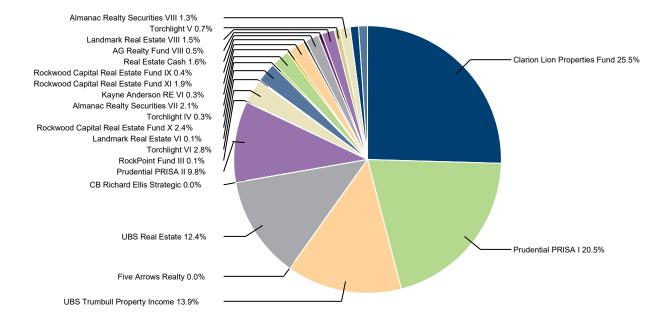


## **Total Real Estate**



#### **Asset Allocation by Plan**

December 31, 2021 : \$951,291,745





#### **Defined Benefit Plan**

#### **Investment Watchlist Summary**

DB Plan

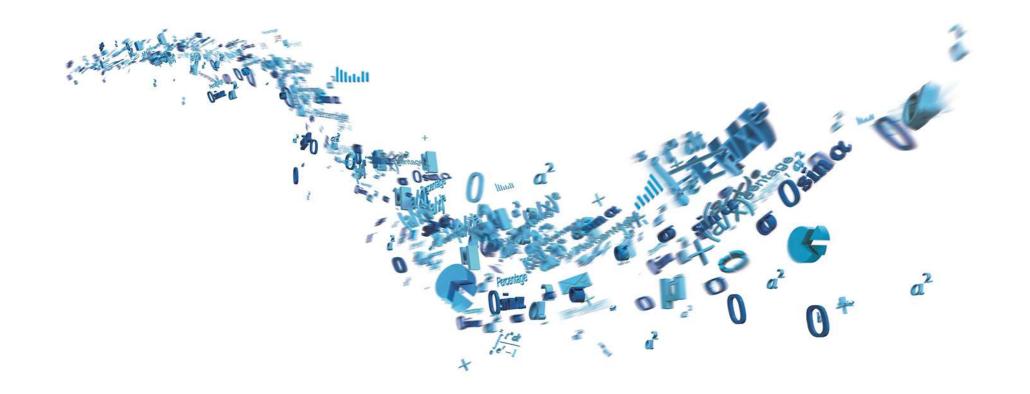
Investment Watchlist Summary

	1	2	3 Discovered from	4 Adverse	5 Weak	6 Significant	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 2021	3rd Quarter 2021
DFA	Yes	No	No	No	No	No		
BlackRock Russell 1000 Index*	No	No	No	No	No	No		
BlackRock ACWI ex-U.S. IMI Index	N/A	No	No	No	No	No		
Arrowstreet	No	Yes	No	No	No	No		
MFS	No	No	No	No	No	No		
Wellingtion Equity	No	No	No	No	No	No		
Dodge & Cox	N/A	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		
Loomis Sayles	No	No	No	No	No	No		
Loomis Sayles Bank Loans	Yes	Yes	No	No	No	No		
Neuberger Berman	No	No	No	No	No	No		
Franklin Templeton	Yes	No	No	No	No	Yes		
Wellington Global	Yes	No	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





## **Defined Contribution Option and Deferred Compensation**



	Allocatio	n	Performance(%)							
	Market Value (\$)	%	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date	
Total Defined Cont. & Deferred Comp.	1,377,900,833	100.0								
Tier I - Asset Allocation Funds	713,004,287	51.7								
LifePath Index Retirement Fund	232,325,691	16.9	2.5 (25)	7.0 (29)	-	-	-	7.0 (29)	01/01/2021	
BlackRock LifePath Index Retirement Custom Benchmark			2.6	7.0	-	-	-	7.0		
LifePath Index 2025 Fund	155,811,637	11.3	3.1 (67)	9.1 (73)	-	-	-	9.1 (73)	01/01/2021	
BlackRock LifePath Index 2025 Custom Benchmark			3.2	9.1	-	-	-	9.1		
LifePath Index 2030 Fund	136,757,091	9.9	4.0 (58)	11.5 (44)	-	-	-	11.5 (44)	01/01/2021	
BlackRock LifePath Index 2030 Custom Benchmark			4.0	11.5	-	-	-	11.5		
LifePath Index 2035 Fund	84,142,960	6.1	4.7 (52)	13.9 (52)	-	-	-	13.9 (52)	01/01/2021	
BlackRock LifePath Index 2035 Custom Benchmark			4.8	13.9	-	-	-	13.9		
LifePath Index 2040 Fund	50,458,348	3.7	5.4 (48)	16.0 (34)	-	-	-	16.0 (34)	01/01/2021	
BlackRock LifePath Index 2040 Custom Benchmark			5.5	16.0	-	-	-	16.0		
LifePath Index 2045 Fund	12,535,339	0.9	6.0 (40)	17.8 (21)	-	-	-	17.8 (21)	01/01/2021	
BlackRock LifePath Index 2045 Custom Benchmark			6.0	17.7	-	-	-	17.7		
LifePath Index 2050 Fund	3,205,877	0.2	6.3 (32)	18.7 (11)	-	-	-	18.7 (11)	01/01/2021	
BlackRock LifePath Index 2050 Custom Benchmark			6.3	18.6	-	-	-	18.6		
LifePath Index 2055 Fund	2,656,993	0.2	6.4 (25)	18.9 (9)	-	-	-	18.9 (9)	01/01/2021	
BlackRock LifePath Index 2055 Custom Benchmark			6.4	18.8	-	-	-	18.8		
LifePath Index 2060 Fund	1,520,085	0.1	6.4 (-)	18.9 (-)	-	-	-	18.9 (-)	01/01/2021	
BlackRock LifePath Index 2060 Custom Benchmark			6.4	18.8	-	-	-	18.8		
LifePath Index 2065 Fund	969,752	0.1	6.4 (12)	18.9 (7)	-	-	-	18.9 (7)	01/01/2021	
BlackRock LifePath Index 2065 Custom Benchmark			6.4	18.8	-	-	-	18.8		
Investor Select Fund	32,620,513	2.4	5.7	16.0	17.1	11.8	10.6	8.2	10/01/2005	
Performance Benchmark			5.5	15.2	16.7	11.7	10.4	7.8		



	Allocation	1			F	erformance(	%)		
	Market Value (\$)	%	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Tier II - Passive Funds	490,056,441	35.6							
U.S. Bond Index Fund	21,036,583	1.5	-0.1	-1.6	4.8	3.6	2.9	4.8	01/01/1998
Blmbg. U.S. Aggregate			0.0	-1.5	4.8	3.6	2.9	4.7	
U.S. Total Stock Market Index Fund	434,035,191	31.5	9.2	25.7	-	-	-	25.7	01/01/2021
Dow Jones U.S. Total Stock Market Index			9.1	25.7	-	-	-	25.7	
International Stock Index Fund (IMI)	34,984,666	2.5	1.7	8.7	-	-	-	8.7	01/01/2021
MSCI AC World ex USA IMI (Net)			1.6	8.5	-	-	-	8.5	
Tier III - Active Funds	174,840,105	12.7							
Stable Value Fund	151,814,736	11.0	0.4	1.8	2.1	2.1	2.1	3.8	01/01/1997
90 Day U.S. Treasury Bill			0.0	0.0	1.0	1.1	0.6	2.0	
U.S. Core Plus Bond Fund	5,152,161	0.4	-0.1	-0.8	-	-	-	-0.8	01/01/2021
Blmbg. U.S. Aggregate			0.0	-1.5	-	-	-	-1.5	
Global Equity Fund	17,873,208	1.3	0.0	11.4	-	-	-	11.4	01/01/2021
MSCI AC World Index (Net)			6.7	18.5	-	-	-	18.5	



# **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 Total Return Fund	12.2
BlackRock Core Plus	10.0
BlackRock U.S. Debt Index	7.8
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.



# **Investment Watchlist Summary**

DC Plan

#### **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 2021	st Status 3rd Quarter 2021
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	No	No	No	No	No		
Global Equity Fund	N/A	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



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



# **Total Cash Balance Benefit**



	Al	location			Performance(%)						
	Market Value (\$)	%	Policy(%)	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date	
Total Cash Balance Benefit Plan	3,048,775,510	100.0	100.0	4.8	16.4	15.9	11.7	10.6	8.6	01/01/2003	
Policy Benchmark				4.9	13.8	16.2	11.7	10.3	8.7		
Total U.S. Equity	933,817,261	30.6	27.0	9.4	26.6	25.7	17.7	16.3	11.7	01/01/2003	
Dow Jones U.S. Total Stock Market				9.1	25.7	25.7	17.9	16.2	11.8		
Dimensional Fund Advisors	90,143,107	3.0		5.6	28.1	20.2	11.3	14.1	10.4	10/01/2004	
Russell 2000 Index*				2.1	14.8	20.0	12.0	13.1	9.2		
BlackRock Russell 1000 Index	843,674,155	27.7		9.8	26.5	26.3	18.5	16.6	10.7	10/01/2007	
Russell 1000 Index				9.8	26.5	26.2	18.4	16.5	10.6		
Total Non-U.S. Equity	332,489,316	10.9	11.5	1.7	8.7	13.8	10.7	8.2	7.9	01/01/2003	
MSCI All Country World ex-U.S. IMI*				1.6	8.5	13.6	9.8	7.6	8.4		
BlackRock ACWI ex-U.S. IMI Index	332,489,316	10.9		1.7	8.7	13.8			6.6	12/01/2017	
MSCI AC World ex USA IMI (Net)				1.6	8.5	13.6			6.2		
Total Global Equity	634,330,979	20.8	19.0	4.7	19.7	20.0	14.2	12.1	9.1	09/01/2005	
MSCI All Country World IMI*				6.1	18.2	20.2	14.1	11.8	8.1		
MFS	207,536,483	6.8		5.9	17.6	20.7	14.7	13.5	10.3	10/01/2005	
MSCI All Country World IMI*				6.1	18.2	20.2	14.1	11.8	7.9		
Arrowstreet	207,134,703	6.8		4.6	20.1	21.4	16.2		16.2	09/01/2016	
MSCI AC World IMI (Net)				6.1	18.2	20.2	14.1		13.6		
Wellington Equity	72,294,866	2.4		4.0	20.2	19.0	13.2		13.0	09/01/2016	
MSCI AC World Small Cap (Net)				2.1	16.1	19.0	12.3		12.1		
Dodge & Cox	147,358,840	4.8		3.7	21.3	16.8			9.8	07/01/2017	
MSCI AC World IMI (Net)				6.1	18.2	20.2			13.1		



	All	ocation					Performance(	(%)		
	Market Value (\$)	%	Policy(%)	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Total Fixed Income	784,353,714	25.7	30.0	-0.1	-0.2	5.0	3.9	3.6	4.6	01/01/2003
Blmbg. Barc. Universal Bond Index*				0.0	-1.1	5.2	3.8	3.3	4.4	
BlackRock Core Plus Universal	114,275,395	3.7		-0.2	-1.1	5.5	4.0	3.6	4.7	01/01/2003
Blmbg. Barc. Universal Bond Index*				0.0	-1.1	5.2	3.8	3.3	4.4	
PIMCO	146,658,752	4.8		0.0	-0.4	6.2	4.8	4.0	4.9	03/01/2005
Blmbg. Barc. Universal Bond Index*				0.0	-1.1	5.2	3.8	3.3	4.3	
BlackRock Aggregate Bond Index	116,522,945	3.8		-0.1	-1.6	4.8	3.6	3.0	4.4	07/01/2006
Blmbg. Barc. Aggregate Bond Index				0.0	-1.5	4.8	3.6	2.9	4.3	
Loomis Sayles	53,564,788	1.8		-0.4	0.6	8.2	6.4	7.2	7.1	07/01/2006
Blmbg. Barc. Universal Bond Index*				0.0	-1.1	5.2	3.8	3.3	4.9	
Wellington Global	89,826,952	2.9		-0.9	-4.8	3.0	3.1		1.4	09/01/2014
Blmbg. Global Aggregate				-0.7	-4.7	3.6	3.4		1.6	
Loomis Sayles Bank Loans	61,560,477	2.0		0.5	2.8	3.8	2.8		2.9	06/01/2014
S&P/LSTA Leveraged Loan Index				0.7	5.2	5.6	4.3		4.0	
Franklin Templeton	64,492,134	2.1		-0.2	6.3	3.2	2.7		3.1	07/01/2014
Credit Suisse Leveraged Loan (Split BB)				0.7	4.2	4.9	3.6		3.7	
Neuberger Berman Core Plus	119,946,994	3.9		-0.2	-0.8	6.2	4.6		4.1	07/01/2015
Blmbg. Barc. Universal Bond Index				0.0	-1.1	5.2	3.8		3.6	
Opportunistic Fixed Income - PIMCO Bravo II	3,747,388	0.1								
Opportunistic Fixed Income - Oaktree	15,571	0.0								
Opportunistic Cash and Int Rec	76,737	0.0								
CBB GICS and Money Market	13,665,580	0.4								
Total Real Estate	170,233,464	5.6	7.5	11.5	19.5	7.6	7.4	9.1	7.1	12/01/2004
Performance Benchmark*	2, 22, 2			7.7	21.0	8.2	7.7	9.3	8.5	
CB Richard Ellis Strategic	30,331	0.0								
Prudential PRISA I	34,479,637	1.1								
UBS Real Estate	20,824,633	0.7								
Rockwood Capital Real Estate Fund IX	599,053	0.0								
Prudential PRISA II	16,483,292	0.5								
Five Arrows Realty	6,505	0.0								
RockPoint Fund III	106,609	0.0								
Landmark Real Estate VI	237,748	0.0								
Landmark Real Estate VII	1,819,109	0.1								
AG Realty Fund VIII	760,577	0.0								
UBS Trumbull Property Income	23,443,492	0.8								
Almanac Realty Securities VII	3,467,177	0.1								
Torchlight IV	429,480	0.0								
Torchlight V	1,110,706	0.0								
Rockwood Capital Real Estate Fund X	3,994,567	0.0								



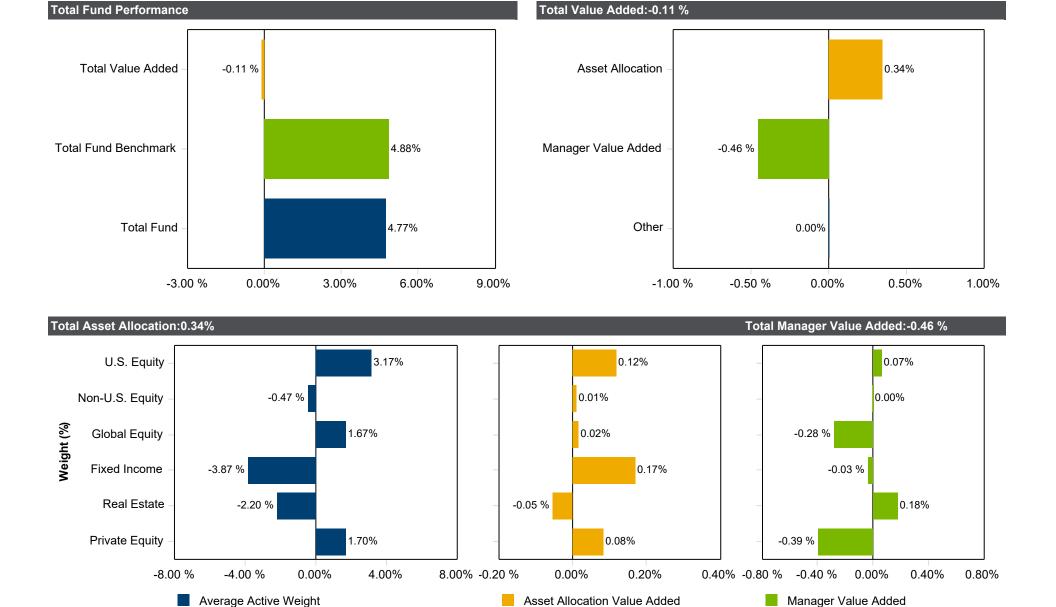
	Allo	ocation					Performance(	(%)		
	Market Value (\$)	%	Policy(%)	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Landmark Real Estate VIII	2,585,452	0.1								
Torchlight VI	4,783,453	0.2								
Almanac Realty Securities VIII	2,149,282	0.1								
Clarion Lion Properties Fund	42,840,642	1.4								
Torchlight Debt Opportunity	10,817,235	0.4								
Kayne Anderson RE VI	539,977	0.0								
Prime Property Fund LLC	1,705,225	0.1								
Real Estate Cash	2,729,343	0.1								
Total Private Equity	193,550,775	6.3	5.0	4.0	54.9	26.5	22.4	16.9	8.3	09/01/2005
Dow Jones U.S. Total Stock Market + 3%				9.9	29.4	29.4	21.4	19.7	14.2	
Abbott Capital	527,159	0.0								
Pathway	1,343,126	0.0								
Sun Capital	397,077	0.0								
Dover Street VIII	786,760	0.0								
CMEA Ventures VII	717,839	0.0								
New Mountain Partners III	33,071	0.0								
New Mountain Partners IV	2,155,656	0.1								
New Mountain Partners, V	9,947,911	0.3								
Citigroup Venture Capital International	720,202	0.0								
Resolute Fund III	1,656,509	0.1								
BridgePoint Europe IV	652,222	0.0								
Quantum Energy Partners V	598,147	0.0								
Quantum Energy Partners VI	5,534,893	0.2								
CVC European Equity Partners	2,756,730	0.1								
CVC European Equity Partners V	119,757	0.0								
Fulcrum Growth Partners IV	1,566,145	0.1								
Ares Corporate Opp Fund III	154,796	0.0								
Ares Corporate Opportunities Fund IV	1,511,013	0.0								
New Enterprise Associates 13	1,166,805	0.0								
New Enterprise Associates 14	7,021,465	0.2								
Lincolnshire Equity Partners IV	991,915	0.0								
Merit Mezzanine Fund V	964,467	0.0								
Ares Mezzanine Fund Partners	9,382	0.0								
Lightyear Fund III	255,864	0.0								
EIF U.S. Power Fund IV	1,638,739	0.1								
McCarthy Capital Fund V	1,080,254	0.0								
Green Equity Investors VI	3,830,308	0.1								
Wayzata Opp Fund III	508,817	0.0								
Accell KKR Capital Partners IV	1,998,633	0.1								



	Alle	ocation					Performance(	%)		
	Market Value (\$)	%	Policy(%)	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Beecken Petty O'Keefe & Co. IV	2,500,054	0.1								
Pine Brook Capital Partners II	5,094,511	0.2								
EMG III LP	2,747,472	0.1								
Francisco Partners IV	6,399,555	0.2								
Wynnchurch Capital Partners IV	4,209,787	0.1								
BridgePoint Europe V	3,120,777	0.1								
McCarthy Capital Fund VI	12,011,255	0.4								
Dover Street IX	5,932,915	0.2								
Green Equity Investors VII	10,154,346	0.3								
Quantum Energy Partners VII	5,943,054	0.2								
Ares Corporate Opp Fund V	6,997,793	0.2								
Genstar Cap Ptr VIII L.P.	13,350,467	0.4								
Francisco Partners V	10,767,838	0.4								
Resolute Fund IV	9,064,807	0.3								
BridgePoint Europe VI	4,509,027	0.1								
Genstar Cap Ptr IX LP	9,291,943	0.3								
New Enterprise Associates 17	6,755,382	0.2								
Dover Street X	23,009,362	0.8								
Wynnchurch Capital Partners V	2,584,203	0.1								
Private Equity Cash	11,919,635	0.4								

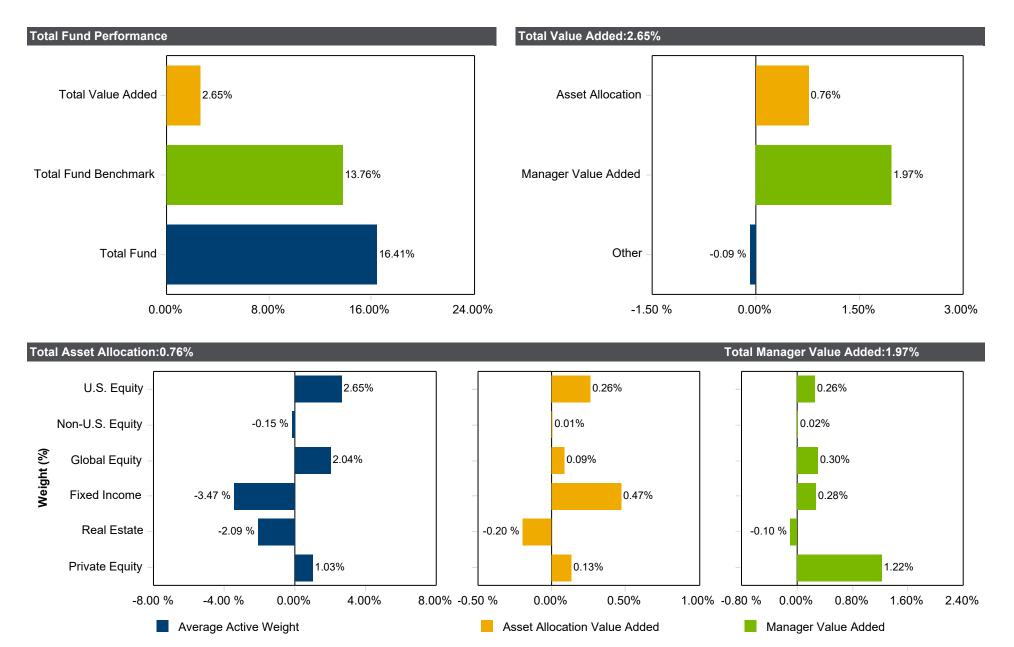


# **Total Fund Attribution**



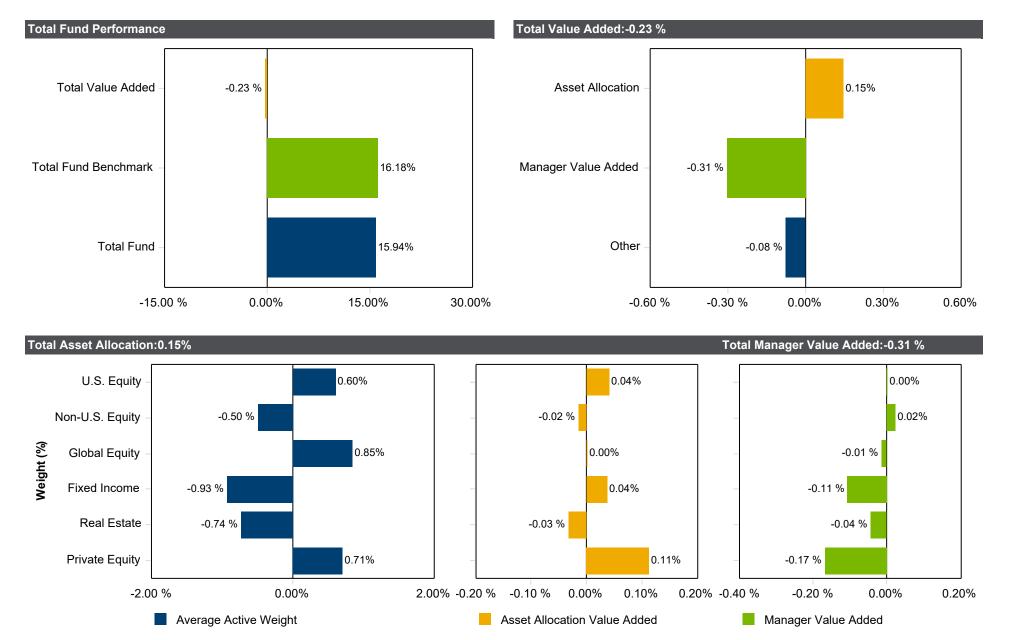


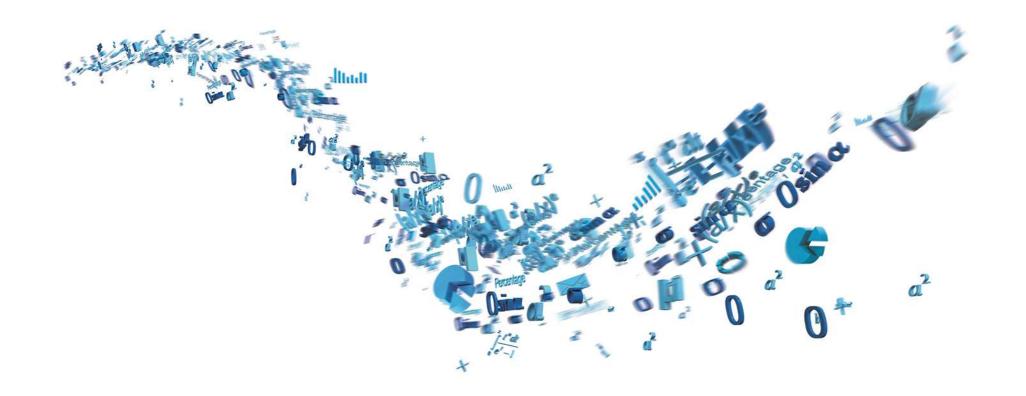
#### **Total Fund Attribution**





# **Total Fund Attribution**





# **Total Hartford Options**



	Allocati	on			Performance(%)	)	
	Market Value (\$)	%	1 Quarter	1 Year	3 Years	5 Years	10 Years
Total Hartford Options	33,433,180	100.0					
American Century Value	266,837	0.8	5.2	23.8	18.0	9.9	12.1
DJ U.S. Large-Cap Value Total Stock Market Index			9.1	25.5	17.6	11.9	13.0
American Funds Growth Fund of America	929,214	2.8	6.4	18.9	29.0	21.1	17.9
Russell 3000 Growth Index			10.9	25.8	33.2	24.6	19.4
Hartford Capital Appreciation HLS	16,677,082	49.9	5.2	14.4	22.8	15.9	14.5
Dow Jones U.S. Total Stock Market Index			9.1	25.7	25.7	17.9	16.2
Harford Dividend & Growth HLS	394,524	1.2	10.9	31.5	23.0	15.7	14.7
DJ U.S. Large-Cap Value Total Stock Market Index			9.1	25.5	17.6	11.9	13.0
SSgA S&P 500 Flagship	648,835	1.9	10.8	27.8	26.3	18.3	16.2
S&P 500 Index			11.0	28.7	26.1	18.5	16.6
T. Rowe Price Growth Stock	2,025,371	6.1	4.6	19.3	29.3	23.1	18.8
Russell 1000 Growth Index			11.6	27.6	34.1	25.3	19.8
Goldman Sachs Mid-Cap Value	141,304	0.4	10.4	30.0	23.0	12.8	12.6
Russell Midcap Value Index			8.5	28.3	19.6	11.2	13.4
Munder Mid-Cap Core Growth	72,774	0.2	8.9	25.6	24.1	15.2	13.3
Russell Midcap Growth Index			2.8	12.7	27.5	19.8	16.6
SSgA S&P MidCap Index	114,399	0.3	7.8	23.8	22.3	13.2	13.7
Russell Midcap Index			6.4	22.6	23.3	15.1	14.9
Hartford Small Company HLS	647,762	1.9	2.6	2.0	30.5	21.7	16.0
Russell 2000 Index			2.1	14.8	20.0	12.0	13.2
Skyline Special Equities Portfolio	347,807	1.0	7.4	32.5	21.8	9.5	12.8
DJ U.S. Small-Cap Value Total Stock Market Index			4.1	27.8	13.2	6.5	11.0
SSgA Russell 2000 Index	41,240	0.1	2.0	14.1	21.1	12.4	12.9
Russell 2000 Index			2.1	14.8	20.0	12.0	13.2
American Funds EuroPacific Growth	203,368	0.6	-1.3	2.1	18.2	12.7	9.6
MSCI EAFE Index (Net)			2.7	11.3	13.5	9.5	8.0
Hartford International Opportunities HLS	584,231	1.7	3.1	7.4	18.6	11.0	9.2
MSCI EAFE Index (Net)			2.7	11.3	13.5	9.5	8.0
Mutual Discovery	74,753	0.2	3.7	19.0	12.8	6.8	8.3
MSCI AC World Index (Net)			6.7	18.5	20.4	14.4	11.9
Hartford Total Return Bond HLS	729,184	2.2	0.1	-1.3	5.1	3.8	3.2
Blmbg. U.S. Aggregate			0.0	-1.5	4.8	3.6	2.9



	Allocation	on			Performance(%)		
	Market Value (\$)	%	1 Quarter	1 Year	3 Years	5 Years	10 Years
Loomis Sayles Bond	244,316	0.7	0.2	2.6	4.9	3.5	4.0
Blmbg. U.S. Aggregate			0.0	-1.5	4.8	3.6	2.9
Putnam High-Yield Advantage	23,692	0.1	0.6	4.5	7.6	4.9	5.2
Credit Suisse High Yield Index			0.6	5.5	8.3	5.8	6.4
Hartford Balanced HLS	2,487,937	7.4	6.7	23.8	19.4	13.1	11.2
Conservative Lifestyle Index			6.0	14.5	16.0	11.6	10.2
Oakmark Equity & Income	328,714	1.0	3.5	27.4	18.5	11.5	9.9
Russell 1000 Value Index			7.8	25.2	17.6	11.2	13.0
Templeton Foreign Fund	33,743	0.1	-2.1	5.1	5.5	3.2	5.0
MSCI EAFE Index			2.7	11.8	14.1	10.1	8.5
General Fund	6,416,095	19.2					
Fix Account Suspense		0.0					



#### **Hartford Options Plan**

# **Investment Watchlist Summary**

#### **Hartford Options Plan**

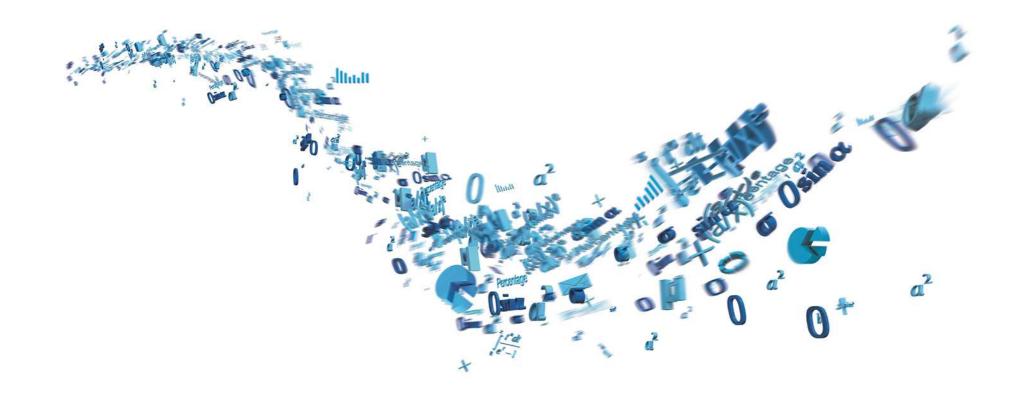
**Investment Watchlist Summary** 

	1	2	3	4	5	6	Watch Li	ist 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 2021	3rd Quarter 2021
American Century Value	Yes	No	No	No	No	No		
American Funds Growth Fund of America	Yes	No	No	No	No	No		
Hartford Capital Appreciation HLS	Yes	Yes	No	No	No	No		
Hartford Dividend & Growth HLS	No	No	No	No	No	No		
SSgA S&P 500 Flagship*	No	No	No	No	No	No		
T.Rowe Price Growth Stock	Yes	No	No	No	No	No		
Goldman Sachs Mid-Cap Value	No	No	No	Yes	Yes	No		
Munder Mid-Cap Core Growth	Yes	No	No	No	No	No		
SSgA S&P MidCap Index*	No	No	No	No	No	No		
Hartford Small Company HLS	No	Yes	No	No	No	No		
Skyline Special Equities Portfolio	No	No	No	No	No	No		
SSgA Russell 2000 Index*	No	No	No	No	No	No		
American Funds EuroPacific Growth	No	Yes	No	No	No	No		
Hartford International Opportunities HLS	No	Yes	No	No	No	No		
Mutual Discovery	Yes	No	No	No	Yes	No		
Hartford Total Return Bond HLS	No	No	No	No	No	No		
Loomis Sayles Bond	Yes	No	No	No	No	No		
Putnam High-Yield Advantage	No	No	No	No	Yes	No		
Hartford Balanced HLS	No	No	No	No	No	No		
Oakmark Equity & Income	No	No	No	No	Yes	No		
Templeton Foreign Fund	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.
- Hartford fees include a Guaranteed Death Benefit for members.

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
	4	Closed Out – All invested balances must be moved to another active option



# **Total CSP of Nebraska**



# **Asset Allocation & Performance**

**Total Fund** 

	\$	%
Union Bank & Trust	6,356,597,182	100.0
NEST Advisor	1,485,653,991	23.4
NEST Direct	2,745,150,742	43.2
Bloomwell	2,125,792,450	33.4

	Allocatio	n			Perform	ance(%)			
	Market Value (\$)	%	1 Quarter	1 Year	3 Years	5 Years	Since Inception	Inception Date	
Total NEST Direct	2,745,150,742	100.0							
Age-Based Funds	1,371,657,719	50.0							
Age-Based Aggressive 0-02	9,639,153	0.4	6.6	21.3			21.3	01/01/2021	
Aggressive 0-02 Benchmark			7.2	21.2			21.2		
Age-Based Aggressive 03-05	35,667,044	1.3	6.0	19.2			19.2	01/01/2021	
Aggressive 03-05 Benchmark			6.6	19.2			19.2		
Age-Based Aggressive 06-08	57,790,872	2.1	5.3	16.5			16.5	01/01/2021	
Aggressive 06-08 Benchmark			5.9	16.7			16.7		
Age-Based Aggressive 09-10	50,287,971	1.8	4.6	14.3			14.3	01/01/2021	
Aggressive 09-10 Benchmark			5.1	14.3			14.3		
Age-Based Aggressive 11-12	66,379,389	2.4	4.0	12.1			12.1	01/01/2021	
Aggressive 11-12 Benchmark			4.3	12.0			12.0		
Age-Based Aggressive 13-14	92,597,779	3.4	3.3	9.9			9.9	01/01/2021	
Aggressive 13-14 Benchmark			3.7	10.0			10.0		
Age-Based Aggressive 15-16	106,217,127	3.9	2.8	8.1			8.1	01/01/2021	
Aggressive 15-16 Benchmark			3.0	8.1			8.1		
Age-Based Aggressive 17-18	107,359,224	3.9	2.0	6.0			6.0	01/01/2021	
Aggressive 17-18 Benchmark			2.3	6.3			6.3		
Age-Based Aggressive 19+	144,261,341	5.3	1.4	4.0			4.0	01/01/2021	
Aggressive 19+ Benchmark			1.5	4.1			4.1		
Age-Based Moderate 0-2	6,082,376	0.2	6.1	19.2			19.2	01/01/2021	
Moderate 0-02 Benchmark			6.6	19.2			19.2		
Age-Based Moderate 03-05	21,286,487	8.0	5.3	16.7			16.7	01/01/2021	
Moderate 03-05 Benchmark			5.9	16.7			16.7		
Age-Based Moderate 06-08	36,945,043	1.3	4.7	14.3			14.3	01/01/2021	

<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			Performance(%)					
	Market Value (\$)	%	1 Quarter	1 Year	3 Years	5 Years	Since Inception	Inception Date	
Moderate 06-08 Benchmark			5.1	14.3			14.3		
Age-Based Moderate 09-10	33,964,243	1.2	3.9	12.1			12.1	01/01/2021	
Moderate 09-10 Benchmark			4.3	12.0			12.0		
Age-Based Moderate 11-12	49,832,206	1.8	3.3	9.8			9.8	01/01/2021	
Moderate 11-12 Benchmark			3.7	10.0			10.0		
Age-Based Moderate 13-14	70,531,218	2.6	2.8	8.1			8.1	01/01/2021	
Moderate 13-14 Benchmark			3.0	8.1			8.1		
Age-Based Moderate 15-16	74,465,756	2.7	2.1	6.1			6.1	01/01/2021	
Moderate 15-16 Benchmark			2.3	6.3			6.3		
Age-Based Moderate 17-18	92,215,038	3.4	1.4	4.0			4.0	01/01/2021	
Moderate 17-18 Benchmark			1.5	4.1			4.1		
Age-Based Moderate 19+	124,458,753	4.5	0.7	2.0			2.0	01/01/2021	
Moderate 19+ Benchmark			0.9	2.3			2.3		
Age-Based Conservative 0-2	79,300	0.0	4.5	13.6			13.6	01/01/2021	
Conservative 0-02 Benchmark			5.1	14.3			14.3		
Age-Based Conservative 03-05	59,133	0.0	3.8	13.6			13.6	01/01/2021	
Conservative 03-05 Benchmark			4.3	12.0			12.0		
Age-Based Conservative 06-08	85,380	0.0	3.3	8.0			8.0	01/01/2021	
Conservative 06-08 Benchmark			3.7	10.0			10.0		
Age-Based Conservative 09-10	121,206	0.0	2.8	10.0			10.0	01/01/2021	
Conservative 09-10 Benchmark			3.0	8.1			8.1		
Age-Based Conservative 11-12	58,848	0.0	2.2	6.4			6.4	01/01/2021	
Conservative 11-12 Benchmark			2.3	6.3			6.3		
Age-Based Conservative 13-14	232,231	0.0	1.4	4.0			4.0	01/01/2021	
Conservative 13-14 Benchmark			1.5	4.1			4.1		
Age-Based Conservative 15-16	617,038	0.0	0.7	2.4			2.4	01/01/2021	
Conservative 15-16 Benchmark			0.9	2.3			2.3		
Age-Based Conservative 17-18	1,851,790	0.1	0.0	0.2			0.2	01/01/2021	
Conservative 17-18 Benchmark			0.0	0.4			0.4		
Age-Based Conservative 19+	1,920,983	0.1	0.0	0.0			0.0	01/01/2021	
Conservative 19+ Benchmark			0.0	0.1			0.1		
Age-Based Index Aggressive 0-2	3,169,018	0.1	7.3	21.1			21.1	01/01/2021	
Index Aggressive 0-02 Benchmark			7.3	21.5			21.5		
Age-Based Index Aggressive 03-05	2,003,017	0.1	6.7	18.7			18.7	01/01/2021	
Index Aggressive 03-05 Benchmark			6.8	19.5			19.5		

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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				Perform	nance(%)				
	Market Value (\$)	%	1 Quarter	1 Year	3 Years	5 Years	Since Inception	Inception Date		
Age-Based Index Aggressive 06-08	3,121,755	0.1	5.9	16.3			16.3	01/01/2021		
Index Aggressive 06-08 Benchmark			5.9	16.9			16.9			
Age-Based Index Aggressive 09-10	2,966,349	0.1	5.3	13.8			13.8	01/01/2021		
Index Aggressive 9-10 Benchmark			5.2	14.6			14.6			
Age-Based Index Aggressive 11-12	2,965,297	0.1	4.5	11.8			11.8	01/01/2021		
Index Aggressive 11-12 Benchmark			4.5	12.3			12.3			
Age-Based Index Aggressive 13-14	3,790,052	0.1	3.7	9.5			9.5	01/01/2021		
Index Aggressive 13-14 Benchmark			3.8	10.1			10.1			
Age-Based Index Aggressive 15-16	3,307,773	0.1	3.0	8.0			8.0	01/01/2021		
Index Aggressive 15-16 Benchmark			3.1	8.3			8.3			
Age-Based Index Aggressive 17-18	1,482,892	0.1	2.3	6.1			6.1	01/01/2021		
Index Aggressive 17-18 Benchmark			2.3	6.3			6.3			
Age-Based Index Aggressive 19+	2,027,622	0.1	1.5	4.0			4.0	01/01/2021		
Index Aggressive 19+ Benchmark			1.6	4.2			4.2			
Age-Based Index Moderate 0-2	1,893,398	0.1	6.7	18.8			18.8	01/01/2021		
Index Moderate 0-02 Benchmark			6.8	19.5			19.5			
Age-Based Index Moderate 03-05	1,790,510	0.1	5.9	16.3			16.3	01/01/2021		
Index Moderate 03-05 Benchmark			5.9	16.9			16.9			
Age-Based Index Moderate 06-08	1,869,924	0.1	5.2	14.0			14.0	01/01/2021		
Index Moderate 06-08 Benchmark			5.2	14.6			14.6			
Age-Based Index Moderate 09-10	1,554,128	0.1	4.5	10.8			10.8	01/01/2021		
Index Moderate 09-10 Benchmark			4.5	12.3			12.3			
Age-Based Index Moderate 11-12	1,889,429	0.1	3.8	10.0			10.0	01/01/2021		
Index Moderate 11-12 Benchmark			3.8	10.1			10.1			
Age-Based Index Moderate 13-14	3,647,746	0.1	3.0	8.1			8.1	01/01/2021		
Index Moderate 13-14 Benchmark			3.1	8.3			8.3			
Age-Based Index Moderate 15-16	3,699,898	0.1	2.3	6.2			6.2	01/01/2021		
Index Moderate 15-16 Benchmark			2.3	6.3			6.3			
Age-Based Index Moderate 17-18	3,894,479	0.1	1.6	4.2			4.2	01/01/2021		
Index Moderate 17-18 Benchmark			1.6	4.2			4.2			
Age-Based Index Moderate 19+	2,837,463	0.1	0.8	2.0			2.0	01/01/2021		
Index Moderate 19+ Benchmark			0.8	2.2			2.2			
Age-Based Index Conservative 0-2	1,184,291	0.0	5.2	14.4			14.4	01/01/2021		
Index Conservative 0-02 Benchmark			5.2	14.6			14.6			

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	Allocation	า			Perform	nance(%)				
	Market Value (\$)	%	1 Quarter	1 Year	3 Years	5 Years	Since Inception	Inception Date		
Age-Based Index Conservative 03-05	6,384,616	0.2	4.5	12.3			12.3	01/01/2021		
Index Conservative 03-05 Benchmark			4.5	12.3			12.3			
Age-Based Index Conservative 06-08	10,538,406	0.4	3.7	10.0			10.0	01/01/2021		
Index Conservative 06-08 Benchmark			3.8	10.1			10.1			
Age-Based Index Conservative 09-10	10,461,515	0.4	3.0	8.1			8.1	01/01/2021		
Index Conservative 09-10 Benchmark			3.1	8.3			8.3			
Age-Based Index Conservative 11-12	13,303,637	0.5	2.2	6.1			6.1	01/01/2021		
Index Conservative 11-12 Benchmark			2.3	6.3			6.3			
Age-Based Index Conservative 13-14	16,945,769	0.6	1.5	4.1			4.1	01/01/2021		
Index Conservative 13-14 Benchmark			1.6	4.2			4.2			
Age-Based Index Conservative 15-16	18,627,205	0.7	0.8	2.0			2.0	01/01/2021		
Index Conservative 15-16 Benchmark			0.8	2.2			2.2			
Age-Based Index Conservative 17-18	22,873,356	0.8	0.0	0.3			0.3	01/01/2021		
Index Conservative 17-18 Benchmark			0.0	0.4			0.4			
Age-Based Index Conservative 19+	38,421,247	1.4	0.0	0.0			0.0	01/01/2021		
Index Conservative 19+ Benchmark			0.0	0.1			0.1			
Static Funds	414,899,137	15.1								
All Equity Static	13,981,355	0.5	6.4	21.1			21.1	01/01/2021		
All Equity Static Benchmark			7.2	21.2			21.2			
Growth Static	218,401,817	8.0	5.3	16.6			16.6	01/01/2021		
Growth Static Benchmark			5.9	16.7			16.7			
Balanced Static	83,566,985	3.0	3.3	9.9			9.9	01/01/2021		
Balanced Static Benchmark			3.7	10.0			10.0			
Conservative Static	36,788,064	1.3	1.4	4.0			4.0	01/01/2021		
Conservative Static Benchmark			1.5	4.1			4.1			
Bank Savings Static	62,160,915	2.3	0.1	0.4			0.4	01/01/2021		
FTSE 3 Month T-Bill			0.0	0.0			0.0			
Individual Funds	958,593,886	34.9								
DFA US Small Cap Value 529	33,213,406	1.2	7.1	39.8	19.1	9.0	11.6	04/01/1993		
Russell 2000 Value Index			4.4	28.3	18.0	9.1	10.3			
DFA World ex-US Government	2,491,507	0.1	-0.1	-4.6	3.2	3.2	3.9	01/01/2012		
FTSE Non-U.S. World Government Bond Hedged			0.0	-2.4	3.4	3.1	3.9			
MetWest Total Return Bond	26,360,896	1.0	-0.1	-1.1	5.6	4.1	4.1	08/01/2011		
Blmbg. U.S. Aggregate			0.0	-1.5	4.8	3.6	3.1			

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	Allocation				Perform	ance(%)				
	Market Value (\$)	%	1 Quarter	1 Year	3 Years	5 Years	Since Inception	Inception Date		
State Street S&P 500 Index	151,668,119	5.5	10.9	28.3	25.7	18.2	14.8	10/01/2014		
S&P 500 Index			11.0	28.7	26.1	18.5	15.1			
T Rowe Price Large Cap Growth	150,821,925	5.5	6.1	23.2	30.2	26.0	12.8	11/01/2001		
Russell 1000 Growth Index			11.6	27.6	34.1	25.3	11.3			
Vanguard Equity Income	64,311,066	2.3	8.7	25.6	17.5	12.7	9.0	09/01/2001		
S&P 500 Index			11.0	28.7	26.1	18.5	9.5			
Vanguard Explorer 529	52,883,572	1.9	3.8	16.4	26.2	19.3	10.7	12/01/2001		
Russell 2500 Growth Index			0.2	5.0	25.1	17.7	10.6			
Vanguard Extended Market Index	71,819,727	2.6	0.7	12.5	24.0	15.3	9.6	08/01/1997		
S&P Completion Index			0.7	12.4	23.9	15.2	9.5			
Vanguard Federal Money Market 529	56,785,222	2.1	0.0	0.0	0.9	1.0	3.9	08/01/1981		
90 Day U.S. Treasury Bill			0.0	0.0	1.0	1.1	4.0			
Vanguard Real Estate Index	30,915,638	1.1	14.9	40.4	20.0	11.2	10.1	01/01/2004		
Vanguard Real Estate Spliced Index			14.9	40.6	20.1	11.4	10.1			
Vanguard Short-Term Bond Index	17,705,313	0.6	-0.8	-1.1	2.8	2.2	1.7	10/01/2011		
Blmbg. U.S. Gov/Credit Float Adj: 1-5 Year			-0.7	-1.0	2.9	2.3	1.8			
Vanguard ST Inflation Protected	25,285,650	0.9	1.1	5.3	5.0	3.3	1.8	11/01/2012		
Blmbg. U.S. TIPS 0-5 Year			1.2	5.3	5.1	3.3	1.8			
Vanguard Total Bond Market Index	30,209,792	1.1	-0.1	-1.6	4.8	3.6	3.5	03/01/2010		
Blmbg. U.S. Aggregate Float Adjusted			0.0	-1.6	4.9	3.6	3.5			
Vanguard Total Intl Stock Index 529	64,253,654	2.3	2.1	8.7	13.7	9.9	6.2	12/01/2010		
FTSE Global ex USA All Cap Index (Net)			1.8	8.8	13.8	9.9	6.3			
Vanguard Total Stock Market Index	179,868,399	6.6	9.2	25.8	25.8	18.0	9.3	06/01/2001		
Vanguard Spliced Total Stock Market Index			9.2	25.7	25.8	18.0	9.2			

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<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	n			Perform	nance(%)		
	Market Value (\$)	%	1 Quarter	1 Year	3 Years	5 Years	Since Inception	Inception Date
Total NEST Advisor	1,485,653,991	100.0						
Age-Based Funds	916,400,099	61.7						
Age-Based Aggressive 0-02	11,138,780	0.7	6.1	21.0			21.0	01/01/2021
Aggressive 0-02 Benchmark			6.9	20.9			20.9	
Age-Based Aggressive 03-05	31,189,265	2.1	5.5	19.2			19.2	01/01/2021
Aggressive 03-05 Benchmark			6.3	18.9			18.9	
Age-Based Aggressive 06-08	49,544,493	3.3	4.9	16.5			16.5	01/01/2021
Aggressive 06-08 Benchmark			5.6	16.4			16.4	
Age-Based Aggressive 09-10	37,176,554	2.5	4.4	14.3			14.3	01/01/2021
Aggressive 09-10 Benchmark			4.9	14.1			14.1	
Age-Based Aggressive 11-12	43,609,665	2.9	3.7	12.0			12.0	01/01/2021
Aggressive 11-12 Benchmark			4.2	11.9			11.9	
Age-Based Aggressive 13-14	54,380,011	3.7	3.1	9.9			9.9	01/01/2021
Aggressive 13-14 Benchmark			3.6	9.8			9.8	
Age-Based Aggressive 15-16	65,155,287	4.4	2.6	8.3			8.3	01/01/2021
Aggressive 15-16 Benchmark			2.9	8.0			8.0	
Age-Based Aggressive 17-18	76,755,128	5.2	2.0	6.4			6.4	01/01/2021
Aggressive 17-18 Benchmark			2.2	6.2			6.2	
Age-Based Aggressive 19+	98,036,455	6.6	1.3	4.0			4.0	01/01/2021
Aggressive 19+ Benchmark			1.5	4.1			4.1	
Age-Based Moderate 0-2	6,020,468	0.4	5.5	19.2			19.2	01/01/2021
Moderate 0-02 Benchmark			6.3	18.9			18.9	
Age-Based Moderate 03-05	20,224,754	1.4	4.9	16.5			16.5	01/01/2021
Moderate 03-05 Benchmark			5.6	16.4			16.4	
Age-Based Moderate 06-08	36,783,527	2.5	4.4	14.3			14.3	01/01/2021
Moderate 06-08 Benchmark			4.9	14.1			14.1	
Age-Based Moderate 09-10	37,123,524	2.5	3.7	12.0			12.0	01/01/2021
Moderate 09-10 Benchmark			4.2	11.9			11.9	
Age-Based Moderate 11-12	44,186,812	3.0	3.1	9.9			9.9	01/01/2021
Moderate 11-12 Benchmark			3.6	9.8			9.8	
Age-Based Moderate 13-14	48,717,225	3.3	2.6	8.3			8.3	01/01/2021
Moderate 13-14 Benchmark			2.9	8.0			8.0	
Age-Based Moderate 15-16	53,197,877	3.6	2.0	6.4			6.4	01/01/2021
Moderate 15-16 Benchmark			2.2	6.2			6.2	

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



	Allocation	n			Perform	nance(%)		
	Market Value (\$)	%	1 Quarter	1 Year	3 Years	5 Years	Since Inception	Inception Date
Age-Based Moderate 17-18	62,632,837	4.2	1.3	4.0			4.0	01/01/2021
Moderate 17-18 Benchmark			1.5	4.1			4.1	
Age-Based Moderate 19+	70,017,759	4.7	0.7	2.0			2.0	01/01/2021
Moderate 19+ Benchmark			0.9	2.2			2.2	
Age-Based Index Conservative 0-2	906,765	0.1	4.8	13.3			13.3	01/01/2021
Index Conservative 0-02 Benchmark			5.2	14.4			14.4	
Age-Based Index Conservative 03-05	3,172,980	0.2	4.4	12.5			12.5	01/01/2021
Index Conservative 03-05 Benchmark			4.5	12.2			12.2	
Age-Based Index Conservative 06-08	5,628,441	0.4	3.6	9.8			9.8	01/01/2021
Index Conservative 06-08 Benchmark			3.7	10.0			10.0	
Age-Based Index Conservative 09-10	5,314,497	0.4	3.0	7.8			7.8	01/01/2021
Index Conservative 09-10 Benchmark			3.1	8.2			8.2	
Age-Based Index Conservative 11-12	9,363,673	0.6	2.2	5.9			5.9	01/01/2021
Index Conservative 11-12 Benchmark			2.3	6.3			6.3	
Age-Based Index Conservative 13-14	8,109,892	0.5	1.5	3.7			3.7	01/01/2021
Index Conservative 13-14 Benchmark			1.6	4.2			4.2	
Age-Based Index Conservative 15-16	8,647,433	0.6	0.7	1.7			1.7	01/01/2021
Index Conservative 15-16 Benchmark			0.8	2.2			2.2	
Age-Based Index Conservative 17-18	12,821,310	0.9	-0.1	-1.8			-1.8	01/01/2021
Index Conservative 17-18 Benchmark			0.0	0.4			0.4	
Age-Based Index Conservative 19+	16,544,686	1.1	0.0	0.2			0.2	01/01/2021
Index Conservative 19+ Benchmark			0.0	0.1			0.1	
Static Funds	301,442,889	20.3						
All Equity Static	11,768,456	0.8	6.1	21.0			21.0	01/01/2021
All Equity Static Benchmark			6.9	20.9			20.9	
Growth Static	204,089,459	13.7	4.9	16.5			16.5	01/01/2021
Growth Static Benchmark			5.6	16.4			16.4	
Balanced Static	56,015,942	3.8	3.1	9.9			9.9	01/01/2021
Balanced Static Benchmark			3.6	9.8			9.8	
Conservative Static	12,231,494	0.8	1.3	4.0			4.0	01/01/2021
Conservatice Static Benchmark			1.5	4.1			4.1	
Bank Savings Static	17,337,538	1.2	0.0	0.8			0.8	01/01/2021
FTSE 3 Month T-Bill			0.0	0.0			0.0	

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



	Allocation	1			Perform	nance(%)		
	Market Value (\$)	%	1 Quarter	1 Year	3 Years	5 Years	Since Inception	Inception Date
Individual Funds	267,811,003	18.0						
Am Funds The Inc Fund of America 529	3,879,524	0.3	7.1	17.7	13.9	9.9	10.9	06/01/2009
S&P 500 Index			11.0	28.7	26.1	18.5	16.3	
DFA World ex US Govtt Fixed Inc 529	559,822	0.0	-0.1	-4.6	3.2	3.2	3.9	01/01/2012
FTSE Non-U.S. World Government Bond Hedged			0.0	-2.4	3.4	3.1	3.9	
Dodge & Cox Stock 529	17,690,127	1.2	5.9	31.7	20.8	14.1	13.4	01/01/1979
Russell 1000 Value Index			7.8	25.2	17.6	11.2	12.1	
Fidelity Ttl Intl Index 529	17,317,670	1.2	2.0	8.5	13.5	9.8	9.8	07/01/2016
MSCI AC World ex USA IMI (Net)			1.6	8.5	13.6	9.8	9.9	
Fidelity U.S. Bond Index 529	3,854,641	0.3	-0.1	-1.8	4.7	3.5	3.1	06/01/2011
Blmbg. U.S. Aggregate			0.0	-1.5	4.8	3.6	3.2	
MetWest Total Return Bond 529	8,528,568	0.6	-0.1	-1.1	5.6	4.1	4.1	08/01/2011
Blmbg. U.S. Aggregate			0.0	-1.5	4.8	3.6	3.1	
Northern Small Cap Value 529	8,842,005	0.6	7.2	26.4	14.7	6.8	9.8	05/01/1994
Russell 2000 Value Index			4.4	28.3	18.0	9.1	10.2	
PGIM Total Return Bond 529	3,167,162	0.2	0.3	-1.2	5.9	4.7	4.8	01/01/2011
Blmbg. U.S. Aggregate			0.0	-1.5	4.8	3.6	3.3	
SPDR S&P Dividend ETF 529	12,253,089	8.0	10.7	25.4	16.3	12.1	9.7	12/01/2005
S&P High Yield Dividend Aristocrats Index			10.8	25.8	16.7	12.6	10.0	
State Street S&P 500 Index 529	36,733,960	2.5	10.9	28.3	25.7	18.2	14.8	10/01/2014
S&P 500 Index			11.0	28.7	26.1	18.5	15.1	
State Street US Govt Money Market 529	15,334,547	1.0	0.0	0.0	8.0	1.0	0.6	11/01/2007
FTSE 3 Month T-Bill			0.0	0.0	1.0	1.1	0.6	
T. Rowe Price Large-Cap Growth 529	48,101,610	3.2	6.1	23.2	30.2	26.0	12.8	11/01/2001
Russell 1000 Growth Index			11.6	27.6	34.1	25.3	11.3	
Van Sht-Trm Inf-Prtcted Sec ETF 529	2,619,514	0.2	1.1	5.3	5.0	3.3	1.8	11/01/2012
Blmbg. U.S. TIPS 0-5 Year			1.2	5.3	5.1	3.3	1.8	
Vanguard Explorer 529	16,447,441	1.1	3.8	16.4	26.2	19.3	10.7	12/01/2001
Russell 2500 Growth Index			0.2	5.0	25.1	17.7	10.6	
Vanguard Extended Market ETF 529	18,270,229	1.2	0.7	12.4	23.9	15.3	10.8	01/01/2002
S&P Completion Index			0.7	12.4	23.9	15.2	10.7	
Vanguard FTSE Emerging Mkts ETF 529	5,718,222	0.4	-0.4	1.0	11.9	9.5	7.2	04/01/2005
Vanguard Spliced Emerging Markets Index			-0.5	1.5	12.2	9.5	7.3	

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



	Allocation		Performance(%)						
	Market Value (\$)	%	1 Quarter	1 Year	3 Years	5 Years	Since Inception	Inception Date	
Vanguard Real Estate ETF 529	6,363,102	0.4	14.9	40.4	19.9	11.2	9.7	10/01/2004	
Vanguard Real Estate Spliced Index			14.9	40.6	20.1	11.4	9.7		
Vanguard Short-Term Bond ETF 529	5,535,562	0.4	-0.7	-1.0	2.8	2.2	2.7	05/01/2007	
Vanguard Splc Blmbg. US1-5YGv/Cr Fl Adj (N)			-0.7	-1.0	2.9	2.3	2.7		
Vanguard Total Stock Market ETF 529	36,594,208	2.5	9.1	25.7	25.8	18.0	9.2	06/01/2001	
Vanguard Spliced Total Stock Market Index			9.2	25.7	25.8	18.0	9.2		
Seed Accounts		0.0							



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

	Allocation	1			Perform	nance(%)		
	Market Value (\$)	%	1 Quarter	1 Year	3 Years	5 Years	Since Inception	Inception Date
Bloomwell	2,125,792,450	100.0						
Age-Based Core 0-2 Years	22,596,529	1.1	7.1	20.3			20.3	01/01/2021
Core 0-02 Benchmark			7.1	20.5			20.5	
Age-Based Core 3-5 Years	70,628,958	3.3	6.3	17.6			17.6	01/01/2021
Core 03-05 Benchmark			6.3	17.9			17.9	
Age-Based Core 6-8 Years	114,499,716	5.4	5.5	15.3			15.3	01/01/2021
Core 06-08 Benchmark			5.5	15.5			15.5	
Age-Based Core 9-10 Years	95,100,872	4.5	4.7	12.9			12.9	01/01/2021
Core 09-10 Benchmark			4.8	13.2			13.2	
Age-Based Core 11-12 Years	107,462,645	5.1	3.9	10.7			10.7	01/01/2021
Core 11-12 Benchmark			4.0	11.0			11.0	
Age-Based Core 13-14 Years	123,749,845	5.8	3.2	8.5			8.5	01/01/2021
Core 13-14 Benchmark			3.3	8.8			8.8	
Age-Based Core 15-16 Years	135,798,697	6.4	2.4	6.3			6.3	01/01/2021
Core 15-16 Benchmark			2.5	6.7			6.7	
Age-Based Core 17-18 Years	127,060,878	6.0	1.7	4.2			4.2	01/01/2021
Core 17-18 Benchmark			1.8	4.5			4.5	
Age-Based Core 19+ Years	140,178,390	6.6	0.9	2.2			2.2	01/01/2021
Core 19+ Benchmark			1.0	2.5			2.5	
Age-Based Socially Aware 0-2 Years	1,761,273	0.1	7.1	20.3			20.3	01/01/2021
Social 0-02 Benchmark			7.1	20.3			20.3	
Age-Based Socially Aware 3-5 Years	1,506,389	0.1	6.3	17.7			17.7	01/01/2021
Social 03-05 Benchmark			6.3	17.7			17.7	
Age-Based Socially Aware 6-8 Years	1,857,945	0.1	5.4	15.0			15.0	01/01/2021
Social 06-08 Benchmark			5.6	<i>15.4</i>			15.4	
Age-Based Socially Aware 9-10 Years	1,358,218	0.1	4.7	12.7			12.7	01/01/2021
Social 09-10 Benchmark			4.8	13.1			13.1	
Age-Based Socially Aware 11-12 Years	1,112,164	0.1	4.0	10.7			10.7	01/01/2021
Social 11-12 Benchmark			4.1	10.9			10.9	
Age-Based Socially Aware 13-14 Years	1,423,863	0.1	3.1	8.4			8.4	01/01/2021
Social 13-14 Benchmark			3.3	8.7			8.7	
Age-Based Socially Aware 15-16 Years	641,815	0.0	2.5	6.3			6.3	01/01/2021
Social 15-16 Benchmark			2.6	6.6			6.6	

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



	Allocation				Perform	ance(%)		
	Market Value (\$)	%	1 Quarter	1 Year	3 Years	5 Years	Since Inception	Inception Date
Age-Based Socially Aware 17-18 Years	1,634,139	0.1	1.8	4.2			4.2	01/01/2021
Social 17-18 Benchmark			1.8	4.5			4.5	
Age-Based Socially Aware 19+ Years	1,004,355	0.0	1.0	2.3			2.3	01/01/2021
Social 19+ Benchmark			1.0	2.5			2.5	
Core Aggressive Static	112,255,497	5.3	5.0	14.6			14.6	01/01/2021
Static Core Aggressive Benchmark			5.0	14.8			14.8	
Core Growth Static	23,055,009	1.1	3.9	11.1			11.1	01/01/2021
Static Core Growth Benchmark			3.9	11.4			11.4	
Core Moderate Growth Static	17,793,697	0.8	2.5	6.9			6.9	01/01/2021
Static Core Moderate Growth Benchmark			2.6	7.2			7.2	
Core Moderate Static	42,789,302	2.0	1.7	4.6			4.6	01/01/2021
Static Core Moderate Benchmark			1.9	4.9			4.9	
Core Conservative Static	4,649,941	0.2	0.9	2.0			2.0	01/01/2021
Static Core Conservative Benchmark			1.0	2.4			2.4	
Socially Aware Aggressive Static	2,908,076	0.1	4.9	14.1			14.1	01/01/2021
Static Social Aggressive Benchmark			4.9	14.4			14.4	
Socially Aware Growth Static	685,898	0.0	3.8	10.5			10.5	01/01/2021
Static Social Growth Benchmark			3.8	11.0			11.0	
Socially Aware Moderate Growth Static	1,606,758	0.1	2.4	6.6			6.6	01/01/2021
Static Social Moderate Growth Benchmark			2.6	7.0			7.0	
Socially Aware Moderate Static	719,993	0.0	1.7	4.4			4.4	01/01/2021
Static Social Moderate Benchmark			1.8	4.7			4.7	
Socially Aware Conservative Static	258,196	0.0	0.8	1.8			1.8	01/01/2021
Static Social Conservative Benchmark			1.0	2.3			2.3	
DFA World ex-US Government Fixed Income	3,617,028	0.2	-0.1	-4.6	3.2	3.2	3.1	06/01/2016
Citigroup World Gov't Bond Index ex USA			0.0	-2.4	3.4	3.1	3.0	
Goldman Sachs Financial Square Gov't Money Market	60,905,958	2.9	0.0	0.0	0.8	1.0	0.9	04/01/2016
FTSE 3 Month T-Bill			0.0	0.0	1.0	1.1	1.0	
iShares Core S&P Small-Cap ETF	29,728,809	1.4	5.6	26.7			18.7	01/01/2020
S&P SmallCap 600			5.6	26.8			18.8	
MetWest Total Return	18,314,367	0.9	-0.1	-1.1	5.6	4.1	3.3	03/01/2015
Blmbg. U.S. Aggregate			0.0	-1.5	4.8	3.6	2.9	
State Street MSCI ACWI Ex-US Index	48,464,800	2.3	1.9	8.0	13.5	9.9	8.3	01/01/2009
MSCI AC World ex USA Index (Net)			1.8	7.8	13.2	9.6	8.1	

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



	Allocation	l			Perform	ance(%)		
	Market Value (\$)	%	1 Quarter	1 Year	3 Years	5 Years	Since Inception	Inception Date
State Street S&P 500 Index	189,274,818	8.9	10.9	28.3	25.7	18.2	14.8	10/01/2014
S&P 500 Index			11.0	28.7	26.1	18.5	15.1	
T. Rowe Price Large Cap Growth	150,930,500	7.1	6.1	23.2	30.2	26.0	12.8	11/01/2001
Russell 1000 Growth Index			11.6	27.6	34.1	25.3	11.3	
Vanguard Emerging Markets Stock Index	15,779,273	0.7	-0.4	0.9			7.9	01/01/2020
FTSE Emerging Mkts All Cap China A Inclusion Index			-0.4	1.8			8.6	
Vanguard Equity Income	28,043,225	1.3	8.7	25.6	17.5	12.7	13.1	07/01/2012
FTSE High Dividend Yield Index			9.4	26.2	16.6	11.7	12.9	
Vanguard Extended Market Index	71,819,727	3.4	0.7	12.5	24.0	15.3	9.6	08/01/1997
S&P Completion Index			0.7	12.4	23.9	15.2	9.5	
Vanguard Real Estate Index	30,915,638	1.5	14.9	40.4	20.0	11.2	10.1	01/01/2004
Vanguard Real Estate Spliced Index			14.9	40.6	20.1	11.4	10.1	
Vanguard Russell 1000 Value Index	33,599,768	1.6	7.8	25.1	17.6	11.1	12.6	07/01/2012
Russell 1000 Value Index			7.8	25.2	17.6	11.2	12.7	
Vanguard Russell 2000 Growth Index	46,196,820	2.2	0.0	2.9			17.8	01/01/2020
Russell 2000 Growth Index			0.0	2.8			17.7	
Vanguard Short-Term Bond Index	17,705,313	8.0	-0.8	-1.1	2.8	2.2	1.7	10/01/2011
Vanguard Splc Blmbg. US1-5YGv/Cr Fl Adj (N)			-0.7	-1.0	2.9	2.3	1.8	
Vanguard Short-Term Inflation-Protected Index	19,381,121	0.9	1.1	5.3	5.0	3.3	3.0	07/01/2016
Blmbg. U.S. TIPS 0-5 Year			1.2	5.3	5.1	3.3	3.0	
Vanguard Total Bond Market Index	32,114,011	1.5	-0.1	-1.6	4.8	3.6	2.8	07/01/2012
Blmbg. U.S. Aggregate			0.0	-1.5	4.8	3.6	2.8	
Vanguard Total Stock Market Index	154,695,057	7.3	9.2	25.8	25.8	18.0	14.9	01/01/2011
CRSP US Total Market Index			9.2	25.7	25.8	18.0	14.8	



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

#### College Savings Plans of Nebraska - Direct Passive

		Al	location	to Und	erlying	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												
Vanguard 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**

		Al	location	າ to Und	erlying	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			
Static Portfolios	Bank Savings			Conservative			Balanced			Growth		All Equity
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	-	8.0%	14.0%	15.0%	15.0%	16.0%	15.0%	12.0%	10.0%	7.0%	4.0%	-
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%	-
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		50.0%	67.0%	71.0%	70.0%	60.0%	50.0%	40.0%	30.0%	20.0%	10.0%	
Domestic Equity Funds												
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 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%
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 - Advisor

	Allo	cation to	Underlyi	ng 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	100.0%	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 ETF	-	15.0%	14.0%	11.0%	13.0%	9.0%	4.0%	2.0%	-
Vanguard Short-Term Bond ETF	-	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									
Vanguard 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	-		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	-	-	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

		Alloc	ation to l	<b>Jnderly</b>	ing Fund	ds					
Aggressive Age-Based Option Moderate Age-Based Option Static Portfolios	Benk Sevings	19 plus	19 plus 17-18 Conservative	17-18 15-16	15-16 13-14	13-14 11-12 Balanced	11-12 9-10	9-10 6-8	6-8 3-5 Growth	3-5 0-2	0-2 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%	-
Fidelity 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											
Vanguard Total Stock Market ETF		3.0%	6.0%	9.0%	11.0%	14.0%	16.0%	18.0%	21.0%	24.0%	27.0%
Dodge & Cox Stock 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 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

	Allo	ocation to	Underlyi	ng 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

	Alle	ocation to	Underlyi	ng 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%



# **Investment Watchlist Summary**

	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	3rd Quarter 2021	2nd Quarter 2021
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 Russil 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	No	No	No	No	No		
PGIM Total Return Bond	No	No	No	No	No	No		
DFA World ex-US Government Fixed Income	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

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

## **Investment Watchlist Summary**

	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 2021	3rd Quarter 2021
SPDR S&P Dividend ETF*	No	No	No	No	No	No		
American Funds The Income Fund of America	Yes	Yes	No	No	No	No		
Vanguard Equity Income	Yes	Yes	No	No	No	No		
Dodge & Cox Stock	No	No	No	No	No	No		
T. Rowe Price Large Cap Growth	No	No	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	Yes	No	No	No	No	No		
Northern Small Cap Value	Yes	Yes	No	No	No	No		
Vanguard FTSE Emerging Markets ETF*	No	No	No	No	No	No		

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

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

<sup>•</sup> The table below provides a "Suggested Action" based on the number of affirmative responses received to the questions noted above.

## Fee Schedule\*\*

	Ticker	Expense Ratio (%)
Am Funds The Inc Fund of America	RIDGX	0.25
DFA US Small Cap Value	DFSVX	0.39
DFA World ex-US Government	DWFIX	0.21
Dodge & Cox Stock	DODGX	0.52
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	0.37
Northern Small Cap Value	NOSGX	1.11
PGIM Total Return Bond	PTRQX	0.41
SPDR S&P Dividend ETF	SDY	0.35
State Street S&P 500 Index	SSSWX	0.31
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	0.56
Vanguard Equity Income	VEIRX	0.19
Vanguard Explorer	VEXRX	0.30
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	0.10
Vanguard Emerging Markets Stock Index	VEMIX	0.10
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	0.05
Vanguard ST Inflation Protected	VTSPX	0.04
Van Sht-Trm Inf-Prtcted Sec ETF	VTIP	0.05
Vanguard Total Bond Market Index	VBMPX	0.03
Vanguard Total Intl Stock Index	VTPSX	0.07
Vanguard Total Stock Market Index	VITPX	0.02
Vanguard Total Stock Market ETF	VTI	0.03

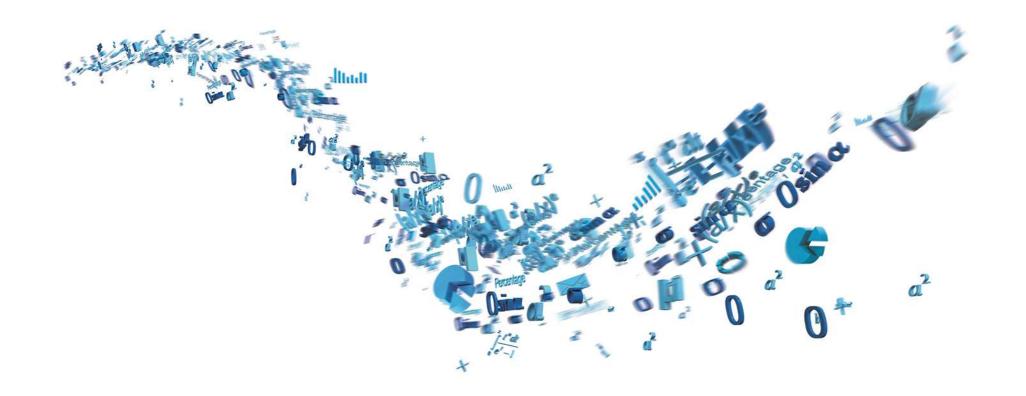


<sup>\*\*</sup> In addition to the fees listed above, \$530,810 (~1 bp on assets) in annual fees are paid to the Nebraska Investment Council. Includes funds in the First National Direct Plan, First National Advisor Plan, and First National Bloomwell Plan.

Nebraska Investment Council

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# **Enable Savings Plan**



	Allocation			Perform			
	Market Value (\$)	1 Quarter	1 Year	3 Years	5 Years	Since Inception	Inception Date
Enable Savings Plan	26,056,215						
Growth Option	6,391,023	5.5	15.4	18.4	12.9	12.7	07/01/2016
Enable Benchmark Growth Option		5.6	15.8	18.5	13.2	13.0	
Moderate Option	3,687,811	4.1	11.0	14.8	10.4	10.1	07/01/2016
Enable Benchmark Moderate Option		4.1	11.4	14.7	10.6	10.3	
Conservative Option	2,391,111	2.1	5.8	9.0	6.3	6.0	07/01/2016
Enable Benchmark Conservative Option		2.2	6.2	9.0	6.6	6.2	
Bank Savings Option	10,514,390	0.0	0.0	0.6	0.6	0.6	07/01/2016
FTSE 3 Month T-Bill		0.0	0.0	1.0	1.1	1.0	
Checking Option	3,071,880						

Enable Savings Plan: Nebraska	26,056,215	
Growth Option Nebraska	6,391,023	
Moderate Option Nebraska	3,687,811	
Conservative Option Nebraska	2,391,111	
Bank Savings Option Nebraska	10,514,390	
Checking Option Nebraska	3,071,880	



## **Asset Allocation & Performance**

Performance(%)

			renom	nance( /0)		
	1 Quarter	1 Year	3 Years	5 Years	Since Inception	Inception Date
Vanguard Total Stock Market Index	9.2	25.7	25.8	18.0	18.0	07/01/2016
CRSP U.S. Total Market TR Index	9.2	25.7	25.8	18.0	18.0	
Vanguard International Stock Index	2.1	8.6	13.7	9.9	9.9	07/01/2016
FTSE All World ex-U.S. (Net)	1.7	8.2	13.5	9.7	9.9	
Vanguard Total Bond Market Index	-0.1	-1.6	4.8	3.6	2.7	07/01/2016
Blmbg. U.S. Aggregate Float Adjusted	0.0	-1.6	4.9	3.6	2.8	
Vangaurd Short Term Bond Index	-0.8	-1.1	2.8	2.2	1.8	07/01/2016
Blmbg. U.S. Gov/Credit Float Adj: 1-5 Year	-0.7	-1.0	2.9	2.3	1.9	
Vanguard Short-Term Inflation Protected Securities	1.1	5.3	5.0	3.3	3.0	07/01/2016
Barclays U.S. 0-5 Year TIPS	1.2	5.3	5.1	3.3	3.0	
Vanguard Federal Money Market	0.0	0.0	0.9	1.0	1.0	07/01/2016
Citigroup 3 Month T-Bill	0.0	0.1	1.0	1.1	1.0	



## Allocation to Underlying Funds

	<b>Growth Option</b>	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 Savings Plan**

## **Investment Watchlist Summary**

#### **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 2021	st Status 3rd Quarter 2021
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.

24-4	Neurobau of Guidania Mad	Comment of Assistan
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 Plan**



	Allocation					
	Market Value (\$)	%	1 Quarter	1 Year	Since Inception	Inception Date
Total State Farm College Savings Plan	758,218,114	100.0				
State Farm Age-Based Investment Options	560,506,966	73.9				
Age-Based 0-2	3,651,185	0.5	7.8	22.0	22.0	01/01/2021
Age-Based Benchmark 0-2 yr			7.9	22.6	22.6	
Age-Based 3-5	16,909,523	2.2	7.4	20.7	20.7	01/01/2021
Age-Based Benchmark 3-5 yr			7.5	21.3	21.3	
Age-Based 6-8	56,422,043	7.4	6.7	18.2	18.2	01/01/2021
Age-Based Benchmark 6-8 yr			6.8	18.9	18.9	
Age-Based 9-10	54,916,585	7.2	5.9	15.8	15.8	01/01/2021
Age-Based Benchmark 9-10 yr			6.0	16.4	16.4	
Age-Based 11-12	66,840,907	8.8	5.0	13.3	13.3	01/01/2021
Age-Based Benchmark 11-12 yr			5.2	14.0	14.0	
Age-Based 13-14	86,636,484	11.4	4.3	11.0	11.0	01/01/2021
Age-Based Benchmark 13-14 yr			4.4	11.7	11.7	
Age-Based 15-16	99,155,197	13.1	3.5	8.7	8.7	01/01/2021
Age-Based Benchmark 15-16 yr			3.6	9.4	9.4	
Age-Based 17-18	78,346,595	10.3	2.7	6.7	6.7	01/01/2021
Age-Based Benchmark 17-18 yr			2.8	7.3	7.3	
Age-Based 19+	97,628,447	12.9	1.9	4.6	4.6	01/01/2021
Age-Based Benchmark 19+ yr			2.1	5.2	5.2	
State Farm Static Investment Options	197,711,149	26.1				
All Equity Static	108,743,682	14.3	7.8	22.0	22.0	01/01/2021
All Equity Static Benchmark			7.9	22.6	22.6	
Growth Static	50,302,707	6.6	6.7	18.2	18.2	01/01/2021
Growth Static Benchmark			6.8	18.9	18.9	



	Allocation	Allocation				
	Market Value (\$)	%	1 Quarter	1 Year	Since Inception	Inception Date
Moderate Growth Static	19,881,879	2.6	5.0	13.3	13.3	01/01/2021
Moderate Growth State Benchmark			5.2	14.0	14.0	
Balanced Static	3,504,547	0.5	4.2	10.9	10.9	01/01/2021
Balanced Static Benchmark			4.4	11.7	11.7	
Conservative Static	2,793,282	0.4	1.9	4.6	4.6	01/01/2021
Conservative Static Benchmark			2.1	5.2	5.2	
Money Market Static	8,435,886	1.1	0.0	0.0	0.0	01/01/2021
FTSE 3 Month T-Bill			0.0	0.0	0.0	
Bank Savings Static	4,049,166	0.5	0.1	0.4	0.4	01/01/2021
FTSE 3 Month T-Bill			0.0	0.0	0.0	



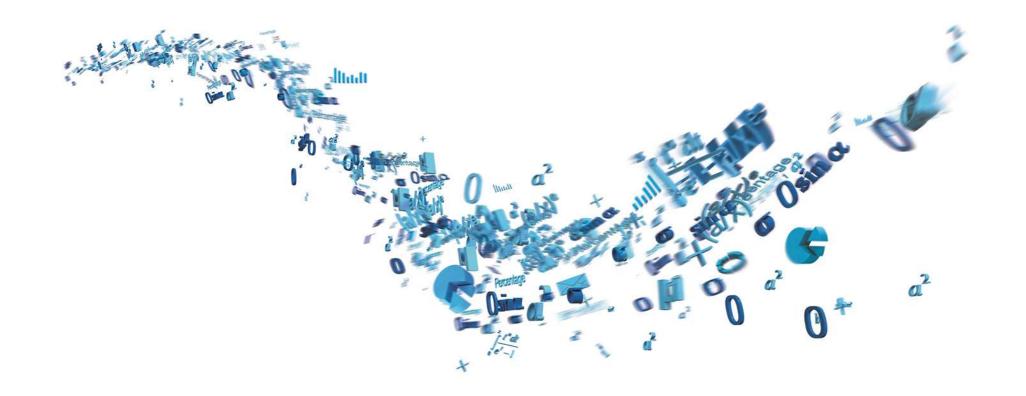
### State Farm Underlying Funds

## 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%	1		

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**



	Allocation	n				Performance(%	<b>6</b> )		
	Market Value (\$)	%	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Total Endowment Plans	1,829,980,499	100.0							
Health Care Endowment	561,360,795	30.7	4.9	17.0	16.3	11.9	10.9	7.6	01/01/2001
Health Care Policy			5.1	14.7	16.8	12.1	10.8	6.9	
50/50 Endowments	1,196,452,783	65.4	3.3	11.6	11.9	8.6	8.3	7.6	01/01/1996
50/50 Endowment Policy			3.5	9.5	13.2	9.6	8.6	7.3	
Excess Liability Fund	72,166,921	3.9	-0.1	-1.1	5.5	4.2	3.6	5.4	07/01/1997
Performance Benchmark			0.0	-1.1	5.2	3.8	3.3	5.1	
Health Care Endowment Fixed	131,849,238	7.2	-0.6	-1.9	2.7	2.2	1.7	3.0	12/01/2000
Performance Benchmark			-0.5	-1.4	3.3	2.6	2.0	3.3	



## **Asset Class Performance**

	Allocation	on				Performa	nce(%)		
	Market Value (\$)	%	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Total Health Care Endowment	561,360,795	100.0	4.9	17.0	16.3	11.9	10.9	7.6	01/01/2001
Health Care Policy			5.1	14.7	16.8	12.1	10.8	6.9	
Total US Equity	173,404,566	30.9	9.5	26.8	25.7	17.7	16.3	9.5	01/01/2002
Dow Jones U.S. Total Stock Market Index			9.1	25.7	25.7	17.9	16.2	9.9	
Total Non-US Equity	69,771,608	12.4	1.6	8.4	13.6	10.1	7.5	5.1	01/01/2001
MSCI All Country World ex-U.S. IMI*			1.6	8.5	13.6	9.8	7.6	5.5	
Total Global Equity	124,160,926	22.1	4.5	19.5	18.8	13.3	11.5	9.4	09/01/2005
MSCI All Country World IMI*			6.1	18.2	20.2	14.1	11.8	8.1	
Total Fixed Income	131,849,238	23.5	-0.6	-1.9	2.7	2.2	1.7	3.0	12/01/2000
Performance Benchmark			-0.5	-1.4	3.3	2.6	2.0	3.3	
Total Real Estate	17,498,932	3.1							
Total Private Equity	44,675,526	8.0							

	Allocation	n	Performance(%)						
	Market Value (\$)	%	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Total 50/50 Endowment	1,196,452,783	100.0	3.3	11.6	11.9	8.6	8.3	7.6	01/01/1996
50/50 Endowment Policy			3.5	9.5	13.2	9.6	8.6	7.3	
Total US Equity	249,289,775	20.8	7.7	25.7	17.9	11.2	13.0	8.0	01/01/2002
Dow Jones U.S. Total Stock Market Index			9.1	25.7	25.7	17.9	16.2	9.9	
Total Non-US Equity	96,827,865	8.1	1.6	8.4	13.6	10.1	7.5	5.1	01/01/2001
MSCI All Country World ex-U.S. IMI*			1.6	8.5	13.6	9.8	7.6	5.5	
Total Global Equity	163,291,218	13.6	4.5	19.5	18.8	13.3	11.5	9.4	09/01/2005
MSCI All Country World IMI*			6.1	18.2	20.2	14.1	11.8	8.1	
Total Fixed Income	552,609,070	46.2	-0.1	-1.1	5.5	4.1	3.6	5.4	07/01/1997
Blmbg. Barc. Universal Bond Index*			0.0	-1.1	5.2	3.8	3.3	5.1	
Total Real Estate	43,629,863	3.6							
Total Private Equity	90,804,992	7.6							



<sup>-</sup>Beginning December 2012, performance was calculated by Aon. Prior to December 2012, performance was calculated by State Street. \*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			P	erformance(	%)		
	Market Value (\$)	%	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Total Endowment	1,698,131,262	100.0							
Total U.S. Equity	422,694,341	24.9	8.5	26.1	21.1	13.8	14.3	8.5	01/01/2002
Dow Jones U.S. Total Stock Market Index			9.1	25.7	25.7	17.9	16.2	9.9	
DFA	43,774,601	2.6	7.4	30.6	20.9	11.4	14.2	11.1	01/01/2002
Russell 2000 Index*			2.1	14.8	20.0	12.0	13.1	9.7	
BlackRock Russell 1000 (Healthcare Endowment)	154,955,853	9.1	9.7	26.4	26.2	18.4	-	16.0	02/01/2013
Russell 1000 Index			9.8	26.5	26.2	18.4	-	16.0	
BlackRock Russell 1000 Value Index	223,944,221	13.2	7.8	25.2	17.6	11.2	-	12.5	12/01/2012
Russell 1000 Value Index			7.8	25.2	17.6	11.2	-	12.6	
BlackRock Russell 1000 Index	19,666	0.0							
Total Non-U.S. Equity	166,599,473	9.8	1.6	8.4	13.6	10.1	7.5	5.1	01/01/2001
MSCI All Country World ex-U.S. IMI*			1.6	8.5	13.6	9.8	7.6	5.5	
BlackRock All Country World ex-U.S. IMI	166,599,473	9.8	1.6	8.4	13.5	9.8	7.6	4.8	01/01/2001
MSCI All Country World ex-U.S. IMI*			1.6	8.5	13.6	9.8	7.6	4.8	
Total Global Equity	287,452,144	16.9	4.5	19.5	18.8	13.3	11.5	9.4	09/01/2005
MSCI All Country World IMI*			6.1	18.2	20.2	14.1	11.8	8.1	
MFS	121,275,789	7.1	5.7	17.4	20.7	14.8	13.5	10.1	10/01/2005
MSCI All Country World IMI*			6.1	18.2	20.2	14.1	11.8	7.9	
Wellington Equity	47,151,567	2.8	4.4	20.7	18.5	12.8	-	13.0	12/01/2016
MSCI AC World Small Cap (Net)			2.1	16.1	19.0	12.3	-	12.5	
Dodge & Cox	119,022,565	7.0	3.3	20.8	16.6	-	-	9.7	07/01/2017
MSCI AC World IMI (Net)			6.1	18.2	20.2	-	-	13.1	
Mondrian	2,223	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

## **Asset Allocation & Performance**

	Allocation	1			Р	erformance(	%)		
	Market Value (\$)	%	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Total Fixed Income	624,775,990	36.8	-0.1	-1.1	5.5	4.1	3.6	5.4	07/01/1997
Blmbg. Barc. Universal Bond Index*			0.0	-1.1	5.2	3.8	3.3	5.1	
PIMCO	156,918,721	9.2	-0.1	-0.5	5.6	4.4	3.7	5.4	04/01/1998
Blmbg. Barc. Universal Bond Index*			0.0	-1.1	5.2	3.8	3.3	4.9	
Loomis Sayles	38,033,919	2.2	-0.4	-0.2	8.3	6.4	6.7	6.6	07/01/2006
Blmbg. Barc. Universal Bond Index*			0.0	-1.1	5.2	3.8	3.3	4.9	
BlackRock Aggregate Bond Index	295,131,208	17.4	-0.1	-1.7	4.8	3.6	3.0	4.1	12/01/2006
Blmbg. U.S. Aggregate			0.0	-1.5	4.8	3.6	2.9	4.0	
Neuberger Berman Core Plus	134,692,142	7.9	-0.1	-0.8	5.9	4.4	-	4.0	07/01/2015
Blmbg. Barc. Universal Bond Index			0.0	-1.1	5.2	3.8	-	3.6	
Total Real Estate	61,128,795	3.6							
Metropolitan Real Estate Partners (Combined)	1,750,710	0.1							
Prudential PRISA	11,100,171	0.7							
UBS Trumbull	10,318,712	0.6							
Landmark VII	1,815,026	0.1							
UBS Trumbull Property Income	7,127,014	0.4							
MREP SCIF	3,968,648	0.2							
Torchlight Debt Opportunity	1,873,513	0.1							
PRIME Property Fund LLC	844,978	0.0							
Real Estate Cash	307,888	0.0							
Total Private Equity	135,480,518	8.0							
Abbott Capital VI	23,509,620	1.4							
Abbott Capital VII	31,774,611	1.9							
RCP Fund VII	11,555,850	0.7							
RCP Fund VIII	8,982,680	0.5							
Dover Street VIII L.P.	3,139,984	0.2							
Ironside Partnership Fund V	20,274,830	1.2							
Dover Street X L.P.	8,665,784	0.5							
Private Equity Cash	27,577,160	1.6							

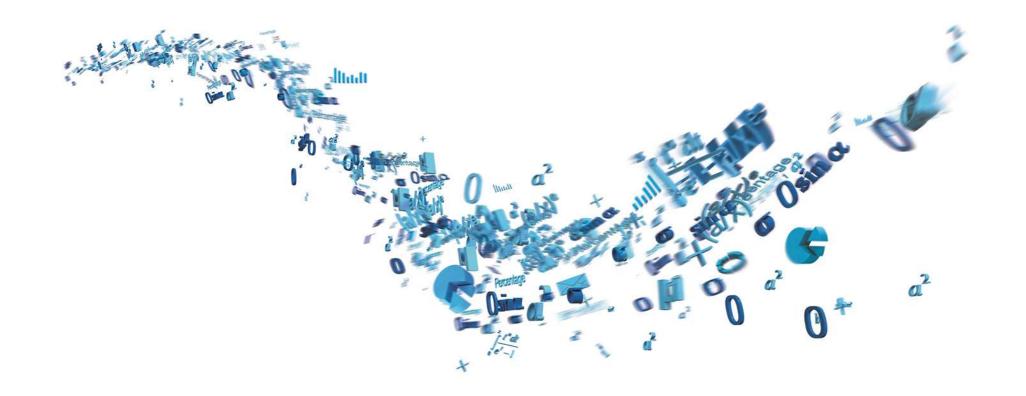
Inception-to-date IRR for Real Estate 8.8% as of 9/30/2021. The Inception-to-Date IRR for Private Equity is 18.1% as of 9/30/2021.



<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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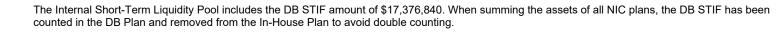
# **Total In-House Plans**



_	Market								
	Value (\$)	%	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Total In-House Plans	9,363,484	100.0							
Aeronautics	6,721,100	71.8	-0.3	-2.9	3.9	3.0	2.2	5.7	01/01/1990
Blmbg. U.S. Treasury			0.2	-2.3	4.1	3.1	2.1	5.4	
Agricultural Development	2,642,384	28.2	-0.4	-3.1	4.0	3.0	2.2	6.0	01/01/1989
Blmbg. Barc. U.S. Treasury			0.2	-2.3	4.1	3.1	2.1	5.6	

	Allocatio	n			F	Performance(%	<b>%</b> )		
	Market Value (\$)	%	1 Quarter	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Total OIP	7,408,410,858	100.0	-0.5	-1.5	3.0	2.5	2.0	3.7	01/01/1997
Performance Benchmark			-0.5	-1.3	3.4	2.6	2.1	3.8	
Internal Short–Term Liquidity Pool	640,043,997	8.6	0.0	0.0	0.8	0.9	0.5	2.9	01/01/1997
Performance Benchmark			0.0	0.0	1.0	1.0	0.6	2.1	
Operating Investment Pool (Internal G/C)	6,768,366,861	91.4	-0.6	-1.7	3.6	2.8	2.3	2.3	11/01/2011
Performance Benchmark			-0.6	-1.6	3.8	2.8	2.4	2.4	

	Total Fun	d
	\$	%
Time Deposit Open Account	30,315,093	100.0



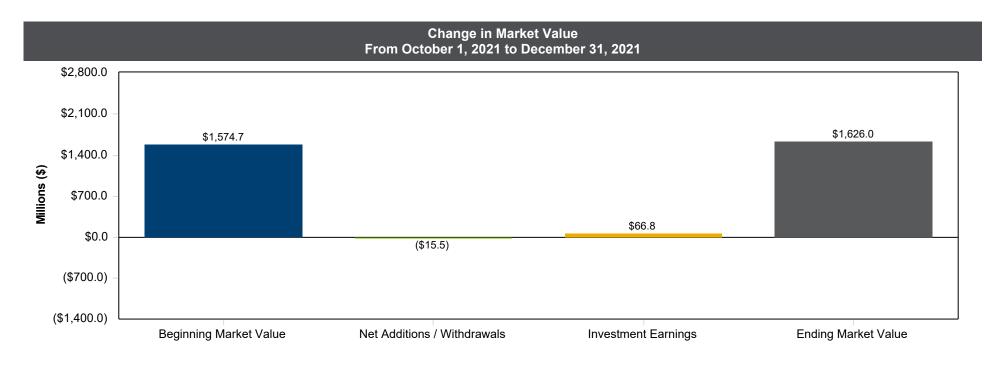




# **OSERS**



## **Total Plan Asset Summary**



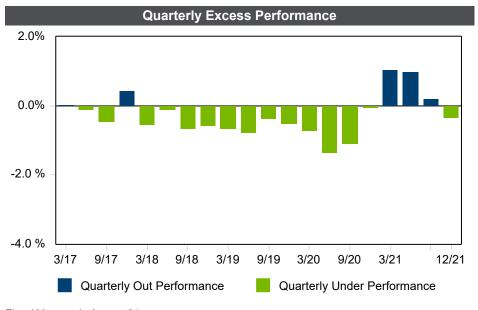
Summary	of (	Cash	Flow

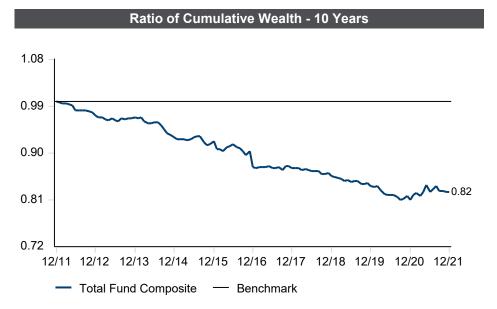
	1 Quarter	FYTD	1 Year
Beginning Market Value	1,574,708,132	1,611,771,866	1,404,609,649
+ Additions / Withdrawals	-15,483,976	-20,111,511	-28,358,423
+ Investment Earnings	66,824,919	34,388,721	249,797,850
= Ending Market Value	1,626,049,076	1,626,049,076	1,626,049,076



### **Total Plan Performance Summary**







Fiscal Year ends August 31.



	Allocation				Performan	ce(%)		
	Market Value (\$)	%	1 Quarter	FYTD	1 Year	3 Years	5 Years	10 Years
OSERS	1,626,049,076	100.0	4.2 (43)	2.1 (60)	17.8 (11)	13.6 (74)	10.2 (66)	7.5 (95)
Policy Index			4.6 (25)	3.6 (16)	15.7 (41)	15.0 (37)	11.5 (27)	9.6 (44)
U.S. Equity Composite	424,997,341	26.1	9.3 (27)	4.6 (34)	26.6 (28)	25.7 (22)	17.7 (28)	14.4 (75)
Custom U.S. Equity Index			9.1 (35)	4.2 (42)	25.7 (39)	25.7 (23)	17.3 (34)	15.8 (31)
BlackRock Russell 1000 Index	381,656,340	23.5	9.8 (38)	4.7 (41)	26.5 (48)	26.2 (34)	-	-
Russell 1000 Index			9.8 (38)	4.7 (41)	26.5 (49)	26.2 (34)	-	-
Dimensional Fund Advisors	43,341,001	2.7	5.6 (58)	3.4 (53)	28.0 (29)	20.2 (64)	-	-
Russell 2000 Index			2.1 (94)	-0.9 (96)	14.8 (91)	20.0 (68)	-	-
Global Equity Composite	298,417,144	18.4	4.7 (63)	0.9 (61)	19.6 (37)	20.0 (53)	13.9 (53)	12.0 (52)
Custom Global Equity Index			6.1 (50)	1.9 (46)	18.2 (50)	20.2 (51)	14.1 (50)	11.6 (56)
Arrowstreet	102,711,184	6.3	4.6 (63)	0.6 (63)	20.1 (32)	21.4 (44)	-	-
MSCI AC World IMI (Net)			6.1 (50)	1.9 (46)	18.2 (50)	20.2 (51)	-	-
MFS	90,319,481	5.6	5.9 (52)	1.4 (54)	17.6 (53)	20.8 (48)	-	-
MSCI AC World IMI (Net)			6.1 (50)	1.9 (46)	18.2 (50)	20.2 (51)	-	-
Wellington Equity	37,288,077	2.3	4.0 (41)	1.9 (15)	20.2 (54)	19.0 (55)	-	-
MSCI AC World Small Cap (Net)			2.1 (55)	-0.9 (66)	16.1 (81)	19.0 (55)	-	-
Dodge & Cox	68,098,401	4.2	3.7 (72)	0.3 (66)	21.2 (26)	16.7 (59)	-	-
MSCI AC World IMI (Net)			6.1 (49)	1.9 (51)	18.2 (45)	20.2 (41)	-	-
International Equity Composite	175,784,048	10.8	1.7 (42)	-1.5 (41)	8.7 (53)	13.6 (55)	-	
MSCI AC World ex USA IMI (Net)			1.6 (42)	-1.6 (42)	8.5 (54)	13.6 (55)	-	-
BlackRock ACWI ex-U.S. IMI Index	175,784,048	10.8	1.7 (42)	-1.5 (41)	8.7 (53)	13.8 (53)	-	-
MSCI AC World ex USA IMI (Net)			1.6 (42)	-1.6 (42)	8.5 (54)	13.6 (55)	-	-



	Allocation		Performance(%)								
	Market Value (\$)	%	1 Quarter	FYTD	1 Year	3 Years	5 Years	10 Years			
Total Fixed Income	419,674,540	25.8	-0.1 (80)	-0.9 (93)	-1.1 (87)	5.5 (73)	4.1 (76)	1.7 (96)			
Custom Fixed Income Index			0.0 (79)	-0.9 (93)	-1.1 (87)	5.2 (78)	3.8 (83)	3.0 (88)			
BlackRock Aggregate Bond Index	183,616,182	11.3	-0.1 (28)	-0.9 (39)	-1.6 (57)	4.8 (69)	-	-			
Blmbg. U.S. Aggregate			0.0 (16)	-0.9 (26)	-1.5 (53)	4.8 (77)	-	-			
BlackRock Core Plus Universal	72,145,004	4.4	-0.2 (78)	-1.0 (74)	-1.1 (77)	5.4 (69)	-	-			
Blmbg. Barc. Universal Bond Index			0.0 (54)	-0.9 (68)	-1.1 (76)	5.2 (80)	-	-			
PIMCO	85,486,692	5.3	0.0 (57)	-0.7 (31)	-0.4 (40)	6.2 (40)	-	-			
Blmbg. Barc. Universal Bond Index			0.0 (54)	-0.9 (68)	-1.1 (76)	5.2 (80)	-	-			
Neuberger Berman Core Plus	77,759,624	4.8	-0.2 (79)	-0.9 (69)	-0.8 (60)	6.2 (41)	-	-			
Blmbg. Barc. Universal Bond Index			0.0 (54)	-0.9 (68)	-1.1 (76)	5.2 (80)	-	-			
OSERS Contributions & Withdrawals	667,038	0.0									
Hedge Fund Composite	6,975,204	0.4	0.0	0.0	0.0	-2.0	-2.1	-2.2			
HFRI RV: Multi-Strategy Index			-0.7	0.0	7.0	6.3	4.5	4.9			
Vaquero EMD	6,963,543	0.4	0.0	0.0	0.0	-2.0	-5.2	-6.5			
Blmbg. Emerging Markets USD Aggregate Index			-0.5	-2.2	-1.7	5.8	4.6	5.1			
Hedge Fund Cash	11,661	0.0									
Real Asset Composite	22,319,018	1.4	31.5	31.5	111.4	13.8	9.9	-			
Custom Real Asset Benchmark			4.7	9.7	21.3	11.7	10.7	-			
BTG	338,960	0.0									
JP Morgan Global Maritime	21,929,820	1.3									
Real Asset Cash	50,238	0.0									
Private Equity Composite	172,835,074	10.6	4.4	6.5	60.8	19.0	16.8	10.1			
Burgiss All US PE (1-Qtr Lag)			4.9	15.4	44.7	23.1	20.5	17.2			
AAVIN Mezzanine Credit Funds	32,780,136	2.0									
FCP Capital	4,782,641	0.3									
SPC Capital*	101,615,462	6.2									
Stonetree Capital	32,581,110	2.0									
Private Equity Cash	1,075,725	0.1									

<sup>\*</sup>SPC is currently being wound down by Hamilton Lane



	Allocation		Performance(%)							
	Market Value (\$)	%	1 Quarter	FYTD	1 Year	3 Years	5 Years	10 Years		
Real Estate Composite	105,046,707	6.5	1.5	2.8	14.8	2.3	3.5	-		
NCREIF Property Index			6.2	11.7	17.7	8.4	7.8	-		
25 Capital Residential Mortgage Opp. Fund	-	0.0								
Mariner IV	25,067,851	1.5								
Almanac Realty Securities VI	3,343,895	0.2								
Almanac Realty Securities VII	17,296,984	1.1								
JPM Strategic	17,623,788	1.1								
JP Morgan India Property Fund II	7,724,497	0.5								
Mariner III	3,408,483	0.2								
UBS Trumbull	12,452,457	0.8								
PRIME Property Fund LLC	1,019,765	0.1								
Kayne Anderson RE Prtnrs VI	903,344	0.1								
Real Estate Cash	8,766,274	0.5								



## OSERS Private Markets Manager IRR Summary (Through 9/30/2021)

#### **Private Equity Portfolio**

Investment	Vintage Year	Total Commitments	Quarter	Inception
Hamilton Lane/SPC	2001	\$163,958,323	5.85%	7.30%
FCP Fund II	2011	30,000,000	2.91%	13.28%
Stonetree IV	2012	53,152,755	2.79%	7.38%
AAVIN Mezzanine Fund, LP	2014	5,000,000	5.92%	18.34%
AAVIN Equity Partners II, LP	2015	25,000,000	3.78%	13.98%
Total Private Equity Portfolio		\$277,111,078	4.83%	8.13%

#### **Real Assets Portfolio**

Investment	Vintage Year	Total Commitments	Quarter	Inception
BTG Pactual Timberland	2004	\$25,000,000	-1.38%	1.20%
JP Morgan Maritime Global	2010	25,000,000	30.51%	0.93%
Total Real Assets Portfolio		\$50,000,000	30.05%	1.11%

#### Real Estate Portfolio

Investment	Vintage Year	Total Commitments	Quarter	Inception
UBS Trumbull Property Fund	1995	\$33,614,492	6.56%	10.37%
JPMorgan Strategic Property Fund	1998	23,223,441	7.13%	9.66%
Almanac Realty Securities Fund VI, L.P.	2011	25,000,000	2.15%	9.18%
Mariner Real Estate Partners III, L.P.	2011	50,000,000	-3.41%	7.69%
25 Capital Residential Mortgage Opportunities Fund	2012	50,000,000	2.58%	2.29%
JP Morgan India Property Fund II	2012	25,000,000	-0.76%	-13.70%
Mariner Real Estate Partners IV, L.P.	2014	60,000,000	-1.14%	14.73%
Almanac Realty Securities Fund VII, L.P.	2015	30,000,000	6.70%	13.03%
Prime Property Fund	2021	33,614,492	6.37%	5.89%
Kayne Anderson Real Estate Partners VI	2021	10,000,000	N/M	N/M
Total Real Estate Portfolio		\$340,452,425	2.11%	8.42%

<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

	Performance(%)										
	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	
OSERS	17.8 (11)	9.4 (74)	13.8 (92)	-2.4 (25)	13.5 (83)	1.3 (100)	-2.5 (94)	3.0 (97)	14.5 (61)	9.4 (95)	
Policy Index	15.7 (41)	12.9 (26)	16.4 (64)	-0.4 (7)	13.7 (82)	7.1 (76)	-1.7 (82)	7.1 (19)	15.1 (56)	12.4 (74)	
U.S. Equity Composite	26.6 (-)	20.4 (-)	30.3 (-)	-5.5 (-)	20.5 (-)	7.2 (-)	-3.2 (-)	5.7 (-)	36.2 (-)	13.7 (-)	
Custom U.S. Equity Benchmark	25.7 (-)	20.8 (-)	30.9 (-)	-5.3 (-)	18.0 (-)	18.5 (-)	-3.5 (-)	7.2 (-)	36.3 (-)	16.7 (-)	
BlackRock Russell 1000 Index	26.5 (48)	21.1 (35)	31.3 (35)	-4.7 (43)	-	-	-	-	-	-	
Russell 1000 Index	26.5 (49)	21.0 (35)	31.4 (34)	-4.8 (43)	-	-	-	-	-	-	
Dimensional Fund Advisors	28.0 (29)	11.5 (70)	21.6 (70)	-12.3 (60)	-	-	-	-	-	-	
Russell 2000 Index*	14.8 (91)	20.0 (34)	25.5 (46)	-11.0 (45)	-	-	-	-	-	-	
Global Equity Composite	19.6 (37)	15.1 (54)	25.5 (59)	-9.9 (55)	23.1 (53)	7.0 (42)	1.9 (31)	3.6 (52)	21.7 (69)	18.1 (31)	
Custom Global Equity Benchmark	18.2 (50)	16.3 (50)	26.4 (53)	-10.1 (57)	24.1 (47)	7.9 (34)	-2.4 (66)	4.2 (46)	22.8 (65)	15.0 (61)	
Arrowstreet	20.1 (32)	21.8 (30)	22.4 (74)	-6.9 (32)	-	-	-	-	-	-	
MSCI AC World IMI (Net)	18.2 (50)	16.3 (50)	26.4 (53)	-10.1 (57)	-	-	-	-	-	-	
MFS	17.6 (53)	14.2 (56)	31.2 (23)	-9.3 (50)	-	-	-	-	-	-	
MSCI All Country World IMI*	18.2 (50)	16.3 (50)	26.4 (53)	-10.1 (57)	-	-	-	-	-	-	
Wellington Equity	20.2 (55)	14.1 (64)	22.8 (62)	-13.9 (42)	-	-	-	-	-	-	
MSCI AC World Small Cap (Net)	16.1 (74)	16.3 (53)	24.7 (58)	-14.4 (47)	-	-	-	-	-	-	
Dodge & Cox	21.2	5.9	23.9	-12.8	-	-	-	-	-	-	
MSCI AC World IMI (Net)	18.2	16.3	26.4	-10.1	-	-	-	-	-	-	
International Equity Composite	8.7 (53)	11.3 (57)	21.2 (55)	-14.5 (38)	-	-	-	-	-	-	
MSCI AC World ex USA IMI (Net)	8.5 (54)	11.1 (58)	21.6 (52)	-14.8 (40)	-	-	-	-	-	-	
BlackRock ACWI ex-U.S. IMI	8.7	11.3	21.9	-14.5	-	-	-	-	-	-	
MSCI AC World ex USA IMI (Net)	8.5	11.1	21.6	-14.8	-	-	-	-	-	-	



					Perforr	mance(%)				
	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
Total Fixed Income	-1.1 (-)	8.4 (-)	9.5 (-)	-0.2 (-)	4.4 (-)	-16.3 (-)	2.1 (-)	-1.0 (-)	5.7 (-)	7.8 (-)
Custom Fixed Income Index	-1.1 (-)	7.6 (-)	9.3 (-)	-0.3 (-)	3.8 (-)	2.6 (-)	0.5 (-)	6.0 (-)	-2.0 (-)	4.2 (-)
BlackRock Aggregate Bond Index	-1.6 (57)	7.7 (62)	8.8 (64)	0.1 (29)	-	-	-	-	-	-
Blmbg. Barc. Aggregate Bond Index	-1.5 (53)	7.5 (69)	8.7 (69)	0.0 (32)	-	-	-	-	-	-
BlackRock Core Plus Universal	-1.1 (77)	8.2 (60)	9.5 (52)	-0.5 (43)	-	-	-	-	-	-
Blmbg. Barc. Universal Bond Index	-1.1 (76)	7.6 (78)	9.3 (58)	-0.3 (29)	-	-	-	-	-	-
PIMCO	-0.4 (40)	9.4 (28)	10.0 (36)	-0.3 (31)	-	-	-	-	-	-
Blmbg. Barc. Universal Bond Index	-1.1 (76)	7.6 (78)	9.3 (58)	-0.3 (29)	-	-	-	-	-	-
Neuberger Berman Core Plus	-0.8 (60)	9.5 (26)	10.3 (29)	-0.4 (36)	-	-	-	-	-	-
Barclays Universal	-1.1 (76)	7.6 (78)	9.3 (58)	-0.3 (29)	-	-	-	-	-	-
OSERS Contributions & Withdrawals										
Hedge Fund Composite	0.0	1.3	-6.9	-9.7	5.9	-6.3	-8.2	-3.7	9.7	-2.0
HFRI RV: Multi-Strategy Index	7.0	6.7	5.3	-0.2	4.1	6.4	0.7	3.4	7.9	8.2
Vaquero EMD	0.0	1.3	-7.1	-16.2	-2.7	10.5	-16.5	-22.4	2.5	-9.4
Blmbg. Emerging Markets USD Aggregate Index	-1.7	6.5	13.1	-2.5	8.2	9.9	1.3	4.8	-4.1	17.9
Hedge Fund Cash										
Real Asset Composite	111.4	-18.8	-14.1	0.7	8.0	8.8	-20.9	9.3	24.8	-
Custom Real Asset Benchmark	21.3	10.1	4.4	8.8	9.7	18.3	-32.6	4.8	27.6	-
BTG										
JP Morgan Global Maritime										
Private Equity Composite	60.8	-0.8	5.7	12.1	15.3	2.8	3.8	-0.5	6.7	6.2
Burgiss All US PE (1-Qtr Lag)	44.7	17.1	10.1	18.8	14.6	8.5	10.6	18.9	17.3	14.7

**AAVIN Mezzanine Credit Funds** 

FCP Capital

SPC Capital

Stonetree Capital

Private Equity Cash



Performance(%)

						` '				
	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
Real Estate Composite	14.8	-6.4	-0.2	2.7	7.6	3.0	7.6	12.5	11.7	-
NCREIF Property Index	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

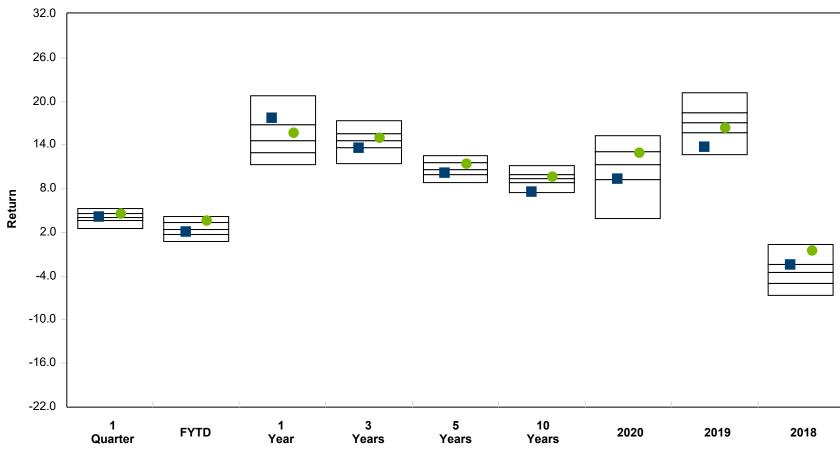
Kayne Anderson RE Prtnrs VI

Real Estate Cash



## **Plan Sponsor Peer Group Analysis**

### All Public Plans > \$1B-Total Fund

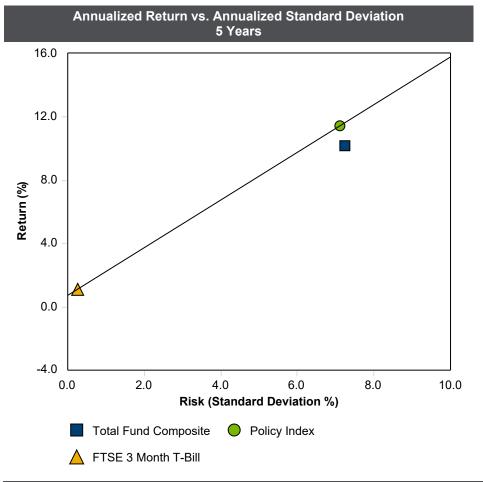


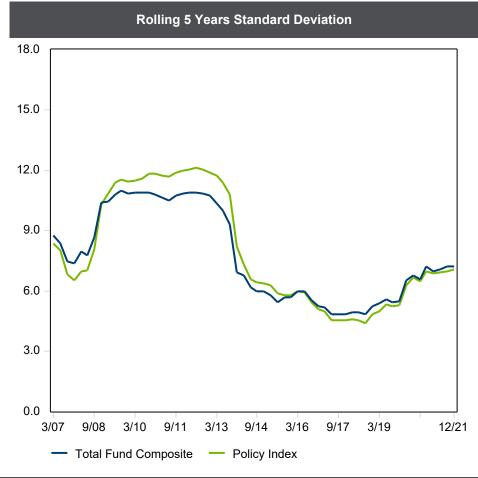
	1 Quarter	FYTD	1 Year	3 Years	5 Years	10 Years	2020	2019	2018
■ Total Fund Composite	4.2 (43)	2.1 (60)	17.8 (11)	13.6 (74)	10.2 (66)	7.5 (95)	9.4 (74)	13.8 (92)	-2.4 (25)
<ul><li>Policy Index</li></ul>	4.6 (25)	3.6 (16)	15.7 (41)	15.0 (37)	11.5 (27)	9.6 (44)	12.9 (26)	16.4 (64)	-0.4 (7)
5th Percentile	5.2	4.2	20.8	17.4	12.6	11.2	15.3	21.2	0.4
1st Quartile	4.6	3.3	16.7	15.5	11.5	10.0	13.0	18.4	-2.4
Median	4.0	2.4	14.6	14.6	10.7	9.4	11.3	17.1	-3.5
3rd Quartile	3.6	1.7	13.0	13.6	9.9	8.9	9.2	15.6	-5.0
95th Percentile	2.5	8.0	11.2	11.4	8.9	7.5	3.9	12.6	-6.7
Population	79	78	78	78	78	71	135	133	104

Parentheses contain percentile rankings.



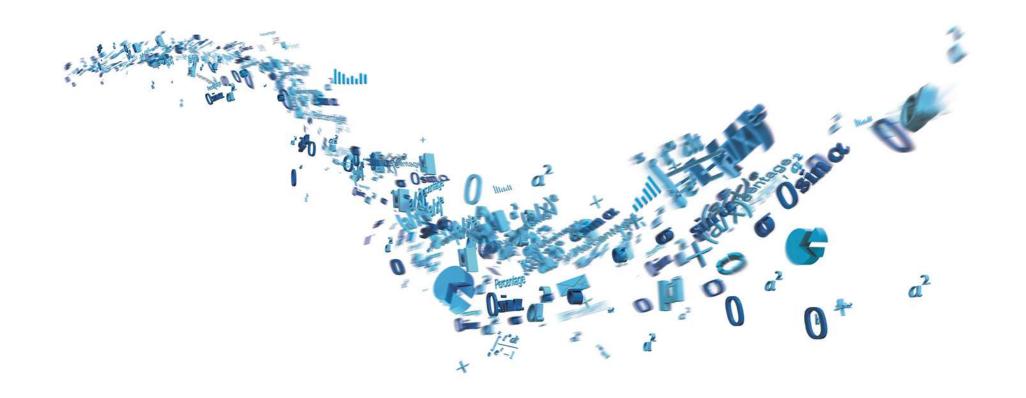
## **Total Fund Composite Risk Profile**





5 Years Historical Statistics											
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation	
Total Fund Composite	-1.13	1.84	-0.61	0.94	1.22	-0.95	0.98	10.21	7.23	0.97	
Policy Index	0.00	0.00	N/A	1.00	1.40	0.00	1.00	11.45	7.10	1.00	
FTSE 3 Month T-Bill	-10.03	7.17	-1.40	0.06	N/A	1.21	-0.01	1.11	0.26	-0.24	





## **Asset Class Performance**



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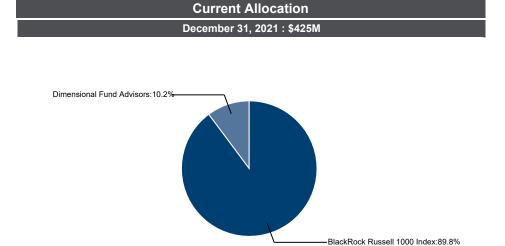


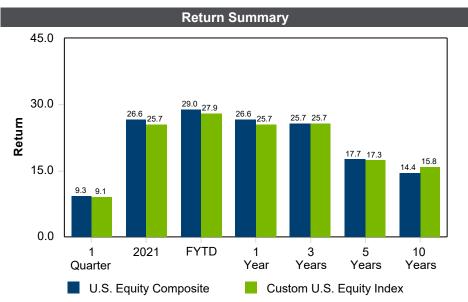


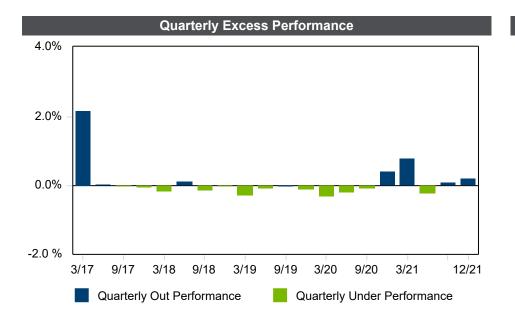
# **U.S. Equity Performance**

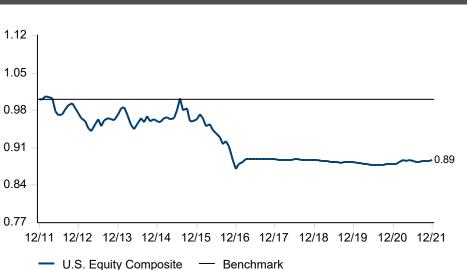


#### U.S. Equity Composite Portfolio Overview







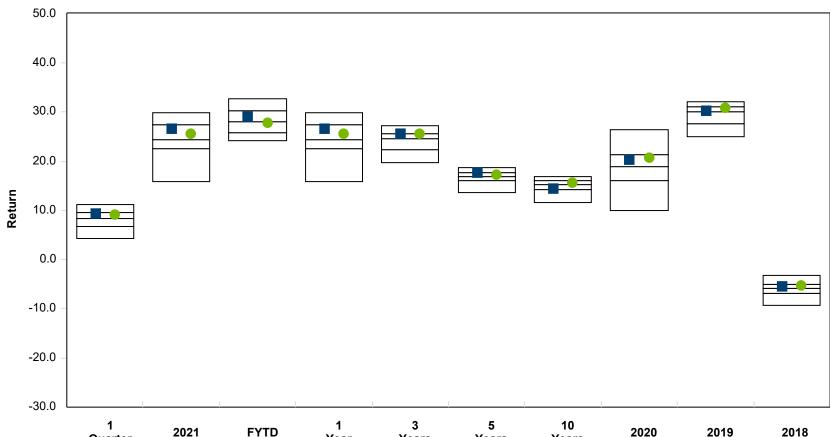


**Ratio of Cumulative Wealth - 10 Years** 



#### **Plan Sponsor Peer Group Analysis**

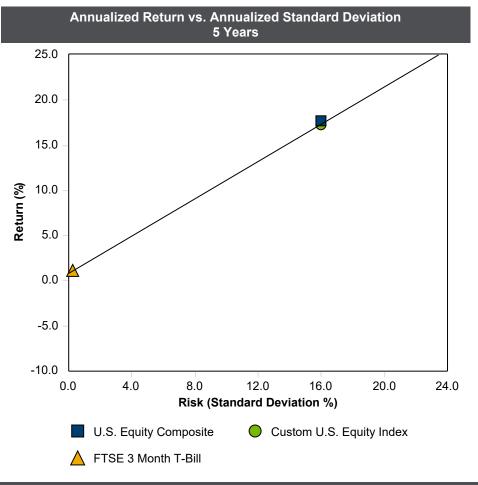
#### All Public Plans > \$1B-US Equity Segment

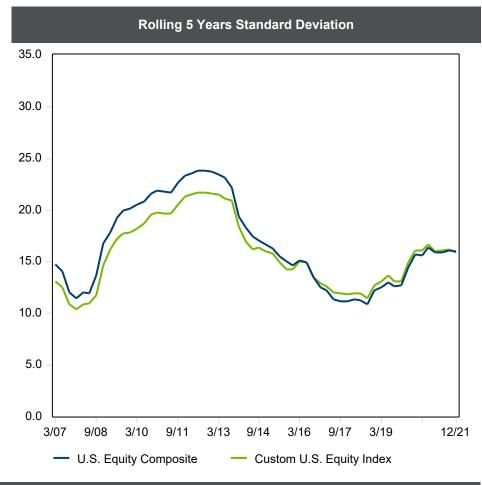


	1 Quarter	2021	FYTD	1 Year	3 Years	5 Years	10 Years	2020	2019	2018
U.S. Equity Composite	9.3 (27)	26.6 (28)	29.0 (38)	26.6 (28)	25.7 (22)	17.7 (28)	14.4 (75)	20.4 (33)	30.3 (40)	-5.5 (41)
<ul><li>Custom U.S. Equity Index</li></ul>	9.1 (35)	25.7 (39)	27.9 (52)	25.7 (39)	25.7 (23)	17.3 (34)	15.8 (31)	20.8 (30)	30.9 (29)	-5.3 (39)
5th Percentile	11.2	30.0	32.7	30.0	27.2	18.7	16.8	26.4	32.2	-3.1
1st Quartile	9.6	27.5	30.3	27.5	25.5	17.8	16.0	21.5	31.2	-5.0
Median	8.4	24.3	28.1	24.3	24.7	17.0	15.3	18.9	30.1	-5.9
3rd Quartile	6.8	22.6	25.9	22.6	22.4	16.0	14.4	16.1	27.7	-6.9
95th Percentile	4.4	15.8	24.1	15.8	19.7	13.6	11.6	10.0	25.0	-9.2
Population	60	56	53	56	49	46	33	55	52	53



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





	5 Years Historical Statistics														
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation					
U.S. Equity Composite	0.38	0.72	0.52	1.00	1.04	0.37	1.00	17.74	15.98	1.00					
Custom U.S. Equity Index	0.00	0.00	N/A	1.00	1.01	0.00	1.00	17.30	15.95	1.00					
FTSE 3 Month T-Bill	-16.22	16.01	-1.01	0.04	N/A	1.17	0.00	1.11	0.26	-0.20					



#### **BlackRock Russell 1000 Index Performance Summary**

#### **Account Information**

Account Name: BlackRock Russell 1000 Index

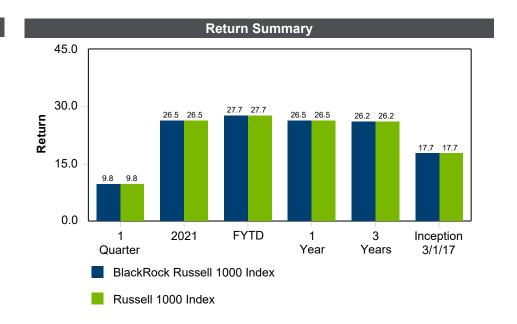
Inception Date: 03/01/2017

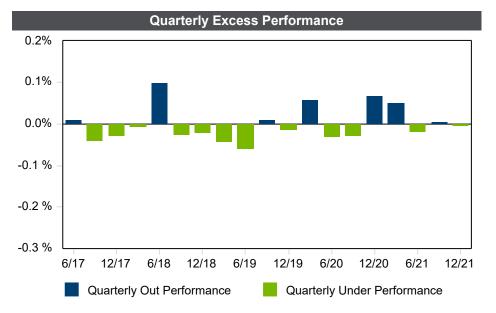
Account Structure: Commingled Fund

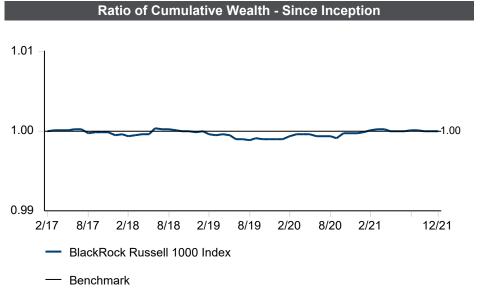
Asset Class: US Equity

Benchmark: Russell 1000 Index

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

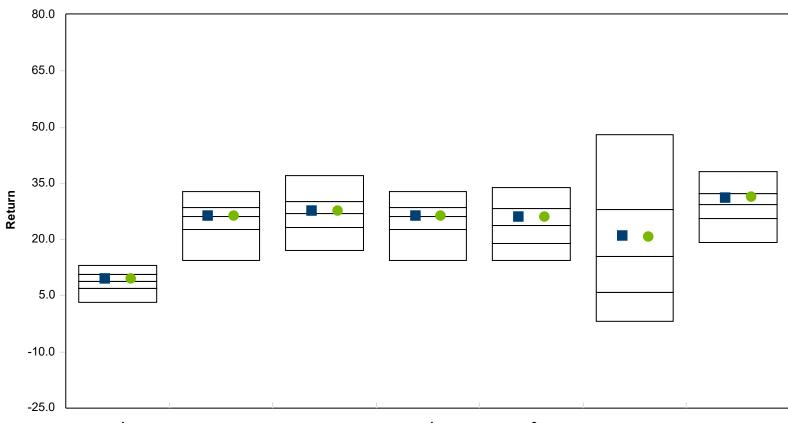








IM U.S. Large Cap Equity (SA+CF)



	1 Quarter	2021	FYTD	1 Year	3 Years	2020	2019
■ BlackRock Russell 1000 Index	9.8 (38)	26.5 (48)	27.7 (45)	26.5 (48)	26.2 (34)	21.1 (35)	31.3 (35)
Russell 1000 Index	9.8 (38)	26.5 (49)	27.7 (45)	26.5 (49)	26.2 (34)	21.0 (35)	31.4 (34)
5th Percentile	13.0	32.9	37.2	32.9	34.0	48.1	38.0
1st Quartile	10.7	28.7	30.2	28.7	28.3	28.0	32.4
Median	8.9	26.0	27.0	26.0	23.8	15.4	29.3
3rd Quartile	7.0	22.6	23.3	22.6	18.9	6.0	25.5
95th Percentile	3.4	14.5	17.1	14.5	14.4	-1.9	19.2
Population	632	629	620	629	608	693	739



#### **Dimensional Fund Advisors Performance Summary**

#### **Account Information**

Account Name: Dimensional Fund Advisors

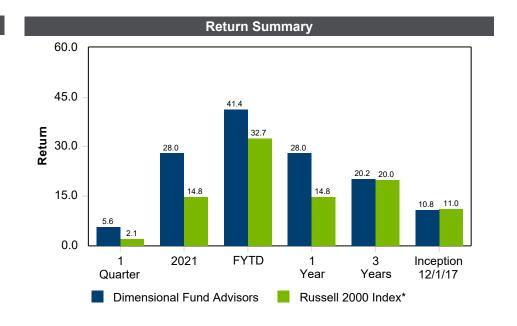
Inception Date: 12/01/2017

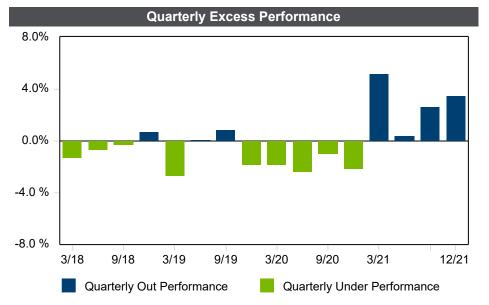
Account Structure: Commingled Fund

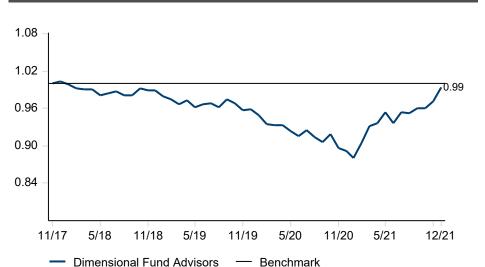
Asset Class: US Equity

Benchmark: Russell 2000 Index\*

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



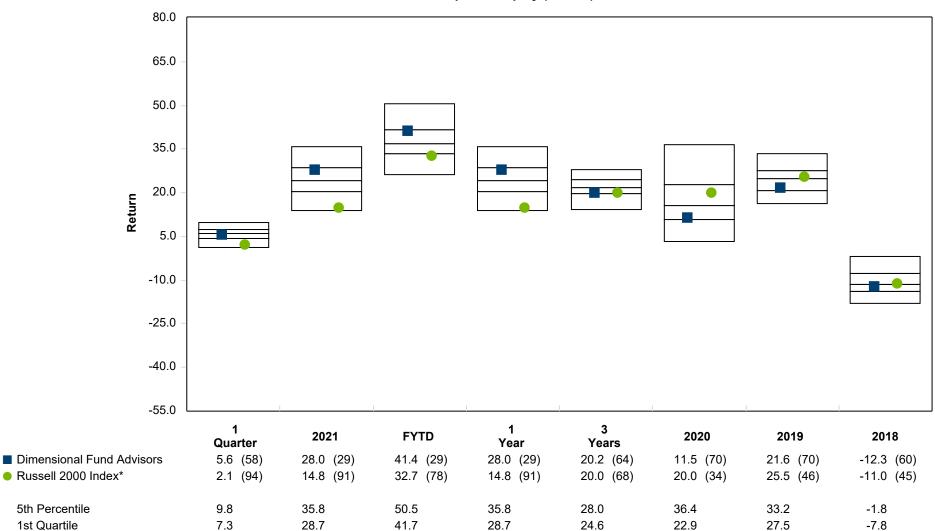




**Ratio of Cumulative Wealth - Since Inception** 



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



Parentheses contain percentile rankings.

6.0

4.2

1.2

87

24.1

20.3

13.8

87

5th Percentile

1st Quartile

3rd Quartile

Population

95th Percentile

Median



-11.6

-13.8

-18.0

101

36.9

33.4

26.3

86

24.1

20.3

13.8

87

21.7

19.6

14.2

85

15.6

10.6

3.3

90

24.9

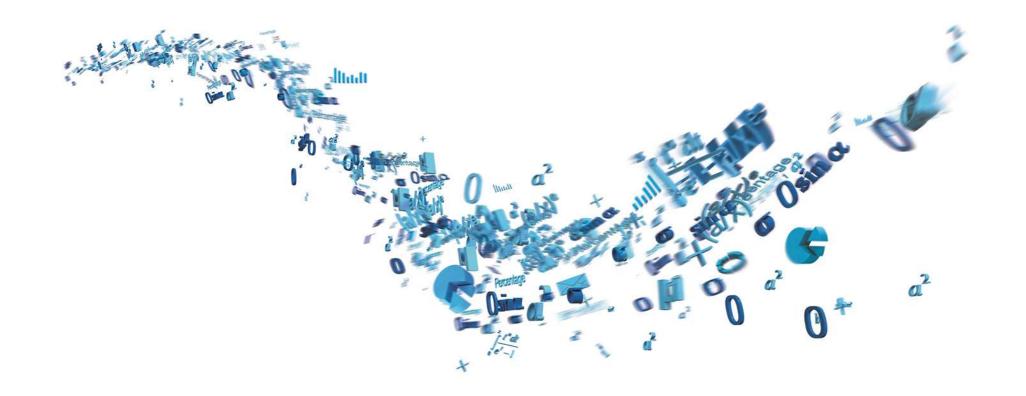
20.6

16.3

96

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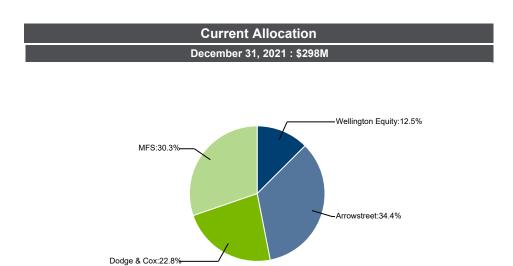


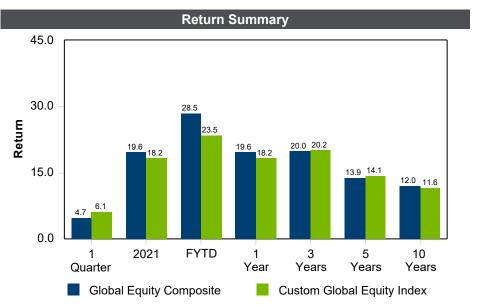


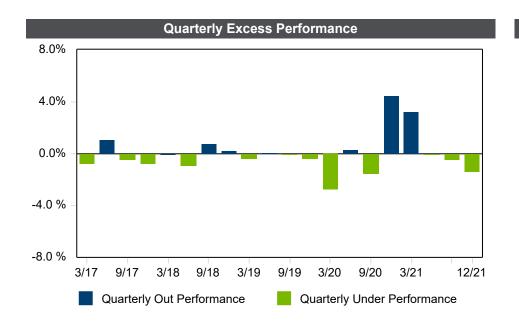
## **Global Equity Performance**



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







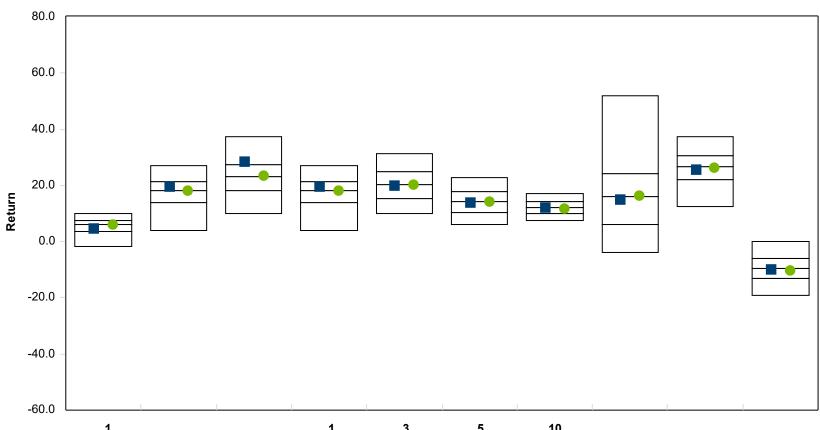


Global Equity Composite
 Benchmark

**Ratio of Cumulative Wealth - 10 Years** 



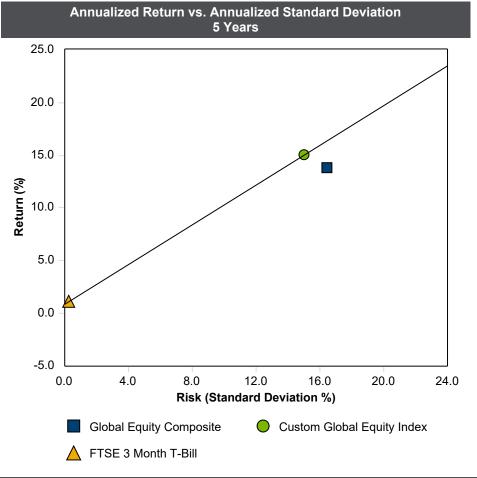
#### IM Global Equity (SA+CF)

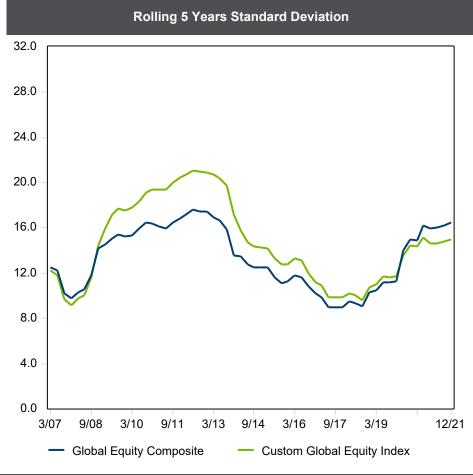


	1 Quarter	2021	FYTD	1 Year	3 Years	5 Years	10 Years	2020	2019	2018
■ Global Equity Composite	4.7 (63)	19.6 (37)	28.5 (21)	19.6 (37)	20.0 (53)	13.9 (53)	12.0 (52)	15.1 (54)	25.5 (59)	-9.9 (55)
<ul><li>Custom Global Equity Index</li></ul>	6.1 (50)	18.2 (50)	23.5 (48)	18.2 (50)	20.2 (51)	14.1 (50)	11.6 (56)	16.3 (50)	26.4 (53)	-10.1 (57)
5th Percentile	10.0	26.9	37.2	26.9	31.2	22.9	17.3	51.9	37.3	-0.1
1st Quartile	7.7	21.3	27.3	21.3	24.8	18.0	14.2	24.2	30.8	-5.9
Median	6.0	18.2	23.2	18.2	20.4	14.1	12.2	16.1	26.9	-9.4
3rd Quartile	3.6	13.9	18.2	13.9	15.4	10.4	9.9	6.1	22.1	-13.1
95th Percentile	-1.8	3.9	9.9	3.9	9.9	6.0	7.6	-3.8	12.6	-19.2
Population	382	376	369	376	353	324	205	403	425	433



#### **Global Equity Composite Risk Profile**





5 Years Historical Statistics														
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation				
Global Equity Composite	-0.80	3.42	-0.23	0.96	0.81	-1.91	1.07	13.87	16.45	0.98				
Custom Global Equity Index	0.00	0.00	N/A	1.00	0.94	0.00	1.00	15.03	15.01	1.00				
FTSE 3 Month T-Bill	-14.10	15.07	-0.94	0.05	N/A	1.17	0.00	1.11	0.26	-0.22				



#### **Arrowstreet Performance Summary**

#### **Account Information**

Account Name: Arrowstreet

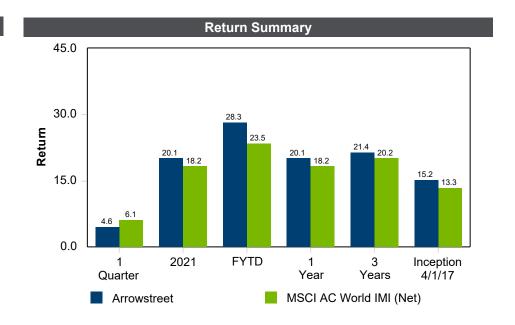
Inception Date: 04/01/2017

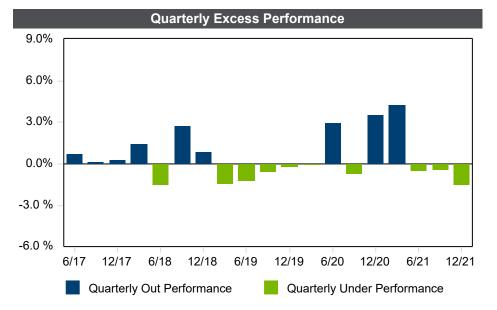
Account Structure: Separate Account

Asset Class: Global Equity

Benchmark: MSCI AC World IMI (Net)

Peer Group: IM Global Equity (SA+CF)





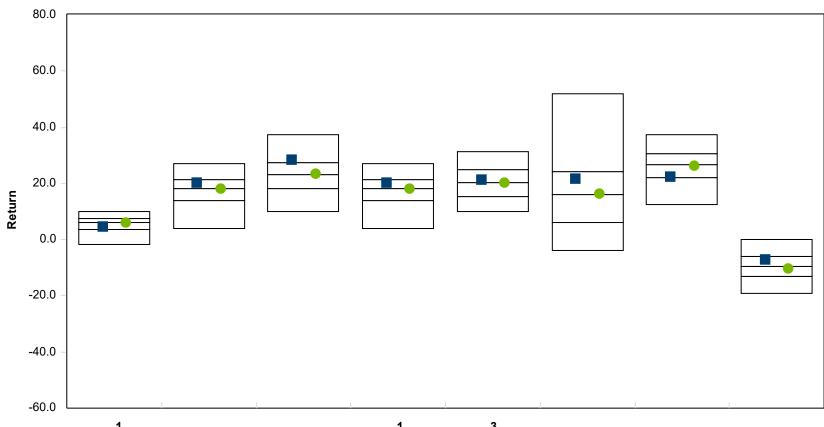
# 1.15 - 1.08 1.05 - 1.00 0.95 - 3/17 9/17 3/18 9/18 3/19 9/19 3/20 9/20 3/21 12/21

Arrowstreet — Benchmark

**Ratio of Cumulative Wealth - Since Inception** 



#### IM Global Equity (SA+CF)



	1 Quarter	2021	FYTD	1 Year	3 Years	2020	2019	2018
Arrowstreet	4.6 (63)	20.1 (32)	28.4 (21)	20.1 (32)	21.4 (44)	21.8 (30)	22.4 (74)	-6.9 (32)
<ul><li>MSCI AC World IMI (Net)</li></ul>	6.1 (50)	18.2 (50)	23.5 (48)	18.2 (50)	20.2 (51)	16.3 (50)	26.4 (53)	-10.1 (57)
5th Percentile	10.0	26.9	37.2	26.9	31.2	51.9	37.3	-0.1
1st Quartile	7.7	21.3	27.3	21.3	24.8	24.2	30.8	-5.9
Median	6.0	18.2	23.2	18.2	20.4	16.1	26.9	-9.4
3rd Quartile	3.6	13.9	18.2	13.9	15.4	6.1	22.1	-13.1
95th Percentile	-1.8	3.9	9.9	3.9	9.9	-3.8	12.6	-19.2
Population	382	376	369	376	353	403	425	433



#### **MFS Performance Summary**

#### Account Information

Account Name: MFS

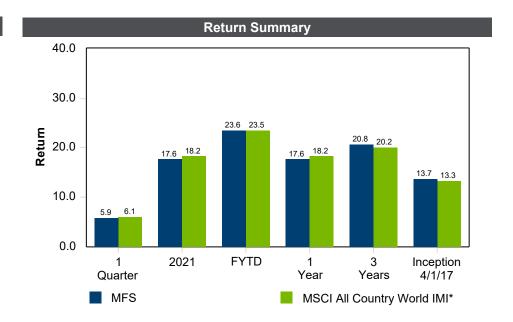
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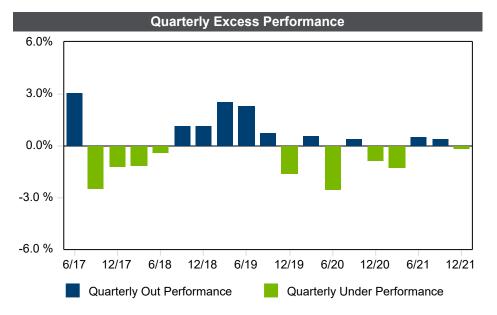
Account Structure: Separate Account

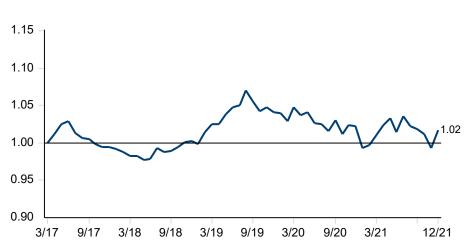
Asset Class: Global Equity

Benchmark: MSCI All Country World IMI\*

Peer Group: IM Global Equity (SA+CF)







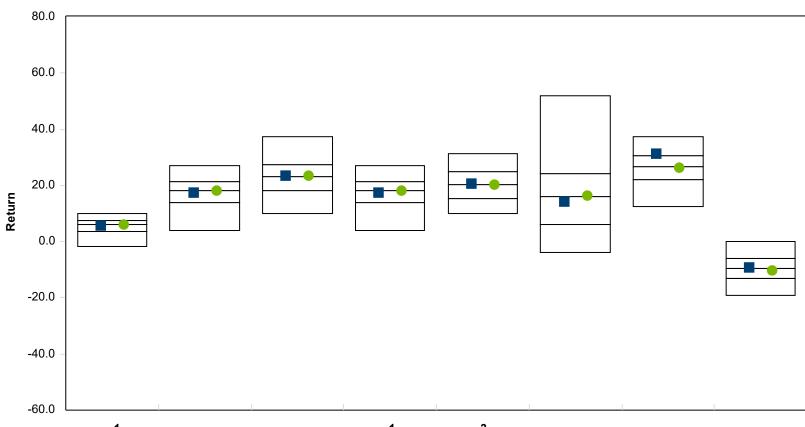
— Benchmark

**Ratio of Cumulative Wealth - Since Inception** 



MFS

#### IM Global Equity (SA+CF)



	1 Quarter	2021	FYTD	1 Year	3 Years	2020	2019	2018
■ MFS	5.9 (52)	17.6 (53)	23.6 (47)	17.6 (53)	20.8 (48)	14.2 (56)	31.2 (23)	-9.3 (50)
<ul> <li>MSCI All Country World IMI*</li> </ul>	6.1 (50)	18.2 (50)	23.5 (48)	18.2 (50)	20.2 (51)	16.3 (50)	26.4 (53)	-10.1 (57)
5th Percentile	10.0	26.9	37.2	26.9	31.2	51.9	37.3	-0.1
1st Quartile	7.7	21.3	27.3	21.3	24.8	24.2	30.8	-5.9
Median	6.0	18.2	23.2	18.2	20.4	16.1	26.9	-9.4
3rd Quartile	3.6	13.9	18.2	13.9	15.4	6.1	22.1	-13.1
95th Percentile	-1.8	3.9	9.9	3.9	9.9	-3.8	12.6	-19.2
Population	382	376	369	376	353	403	425	433



#### **Wellington Equity Performance Summary**

#### **Account Information**

Account Name: Wellington Equity

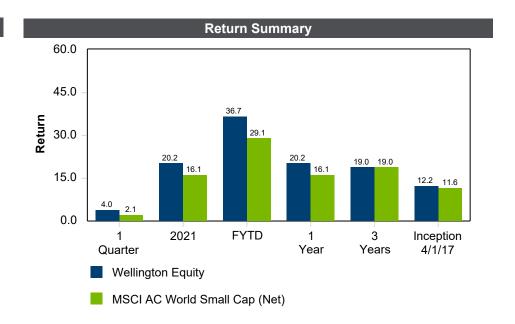
Inception Date: 04/01/2017

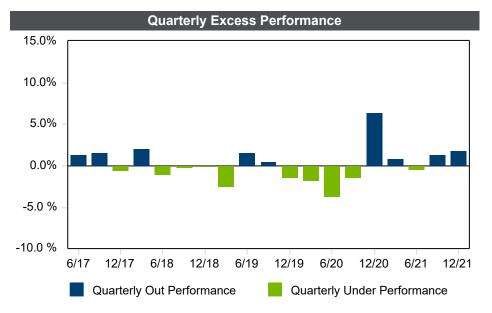
Account Structure: Separate Account

Asset Class: Global Equity

Benchmark: MSCI AC World Small Cap (Net)

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



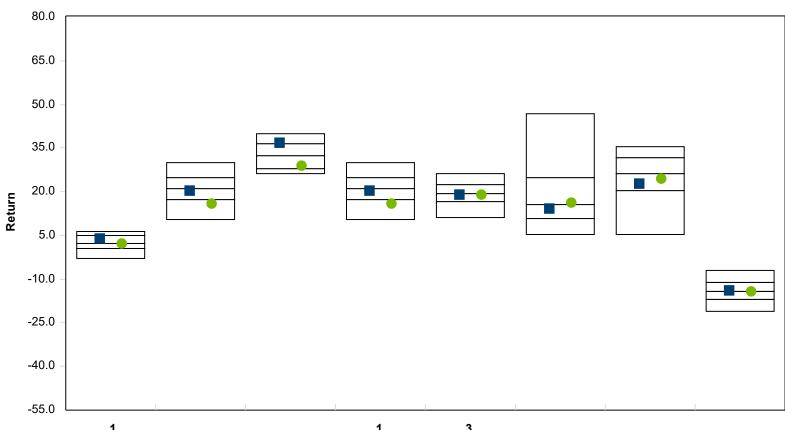


#### **Ratio of Cumulative Wealth - Since Inception**





#### IM Global Small Cap Equity (SA+CF)



	1 Quarter	2021	FYTD	1 Year	3 Years	2020	2019	2018
■ Wellington Equity	4.0 (41)	20.2 (54)	36.7 (25)	20.2 (54)	19.0 (55)	14.1 (55)	22.8 (68)	-13.9 (43)
<ul> <li>MSCI AC World Small Cap (Net)</li> </ul>	2.1 (55)	16.1 (81)	29.1 (58)	16.1 (81)	19.0 (55)	16.3 (50)	24.7 (62)	-14.4 (53)
5th Percentile	6.3	29.9	39.9	29.9	26.2	46.7	35.6	-6.9
1st Quartile	4.9	24.9	36.5	24.9	22.4	24.9	31.9	-11.0
Median	2.4	21.1	32.2	21.1	19.3	15.7	26.4	-14.1
3rd Quartile	0.6	17.3	27.8	17.3	16.6	10.9	20.5	-16.9
95th Percentile	-3.0	10.4	26.2	10.4	11.1	5.5	5.3	-21.0
Population	27	26	23	26	20	27	29	33



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

#### **Account Information**

Account Name: Dodge & Cox

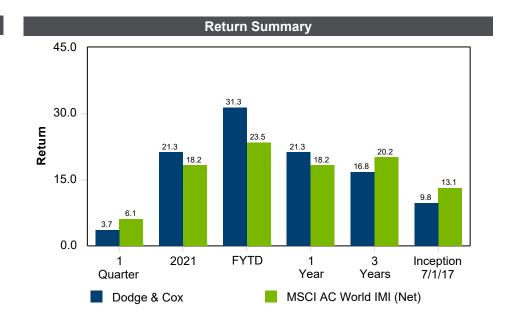
Inception Date: 07/01/2017

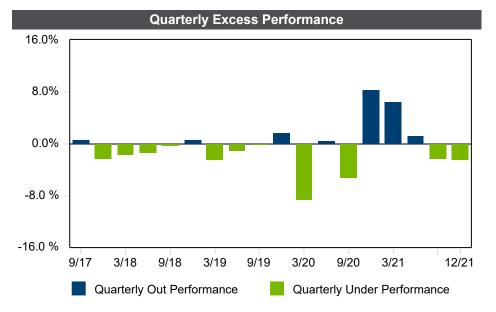
Account Structure: Mutual Fund

Asset Class: Global Equity

Benchmark: MSCI AC World IMI (Net)

Peer Group: IM Global Equity (MF)





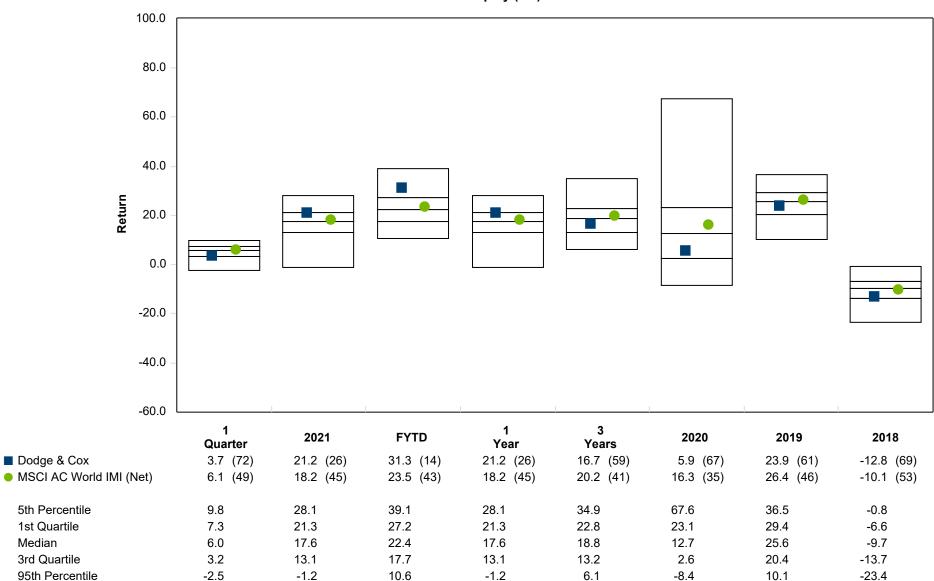
# 1.10 1.00 0.90 0.80 0.70 6/17 12/17 6/18 12/18 6/19 12/19 6/20 12/20 6/21 12/21

Dodge & Cox — Benchmark

**Ratio of Cumulative Wealth - Since Inception** 



IM Global Equity (MF)



Parentheses contain percentile rankings.

292

292

■ Dodge & Cox

5th Percentile

1st Quartile

3rd Quartile

Population

Median



349

292

292

302

324

292

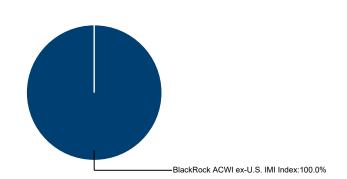


# **International Equity Performance**



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







#### **Quarterly Excess Performance** 0.8% 0.4% 0.0% -0.4 % -0.8 % -1.2 % 6/18 12/18 12/19 6/20 12/20 6/21 12/21 6/17 12/17 6/19 Quarterly Out Performance Quarterly Under Performance

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





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

#### **Account Information**

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

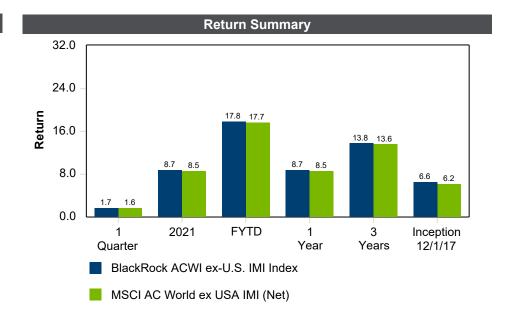
Inception Date: 12/01/2017

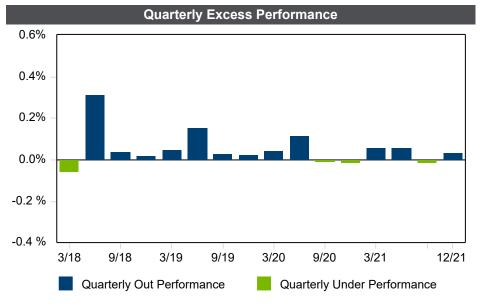
Account Structure: Commingled Fund

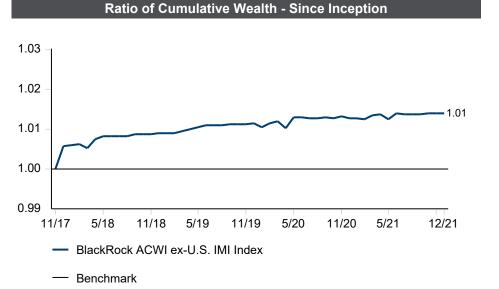
Asset Class: International Equity

Benchmark: MSCI AC World ex USA IMI (Net)

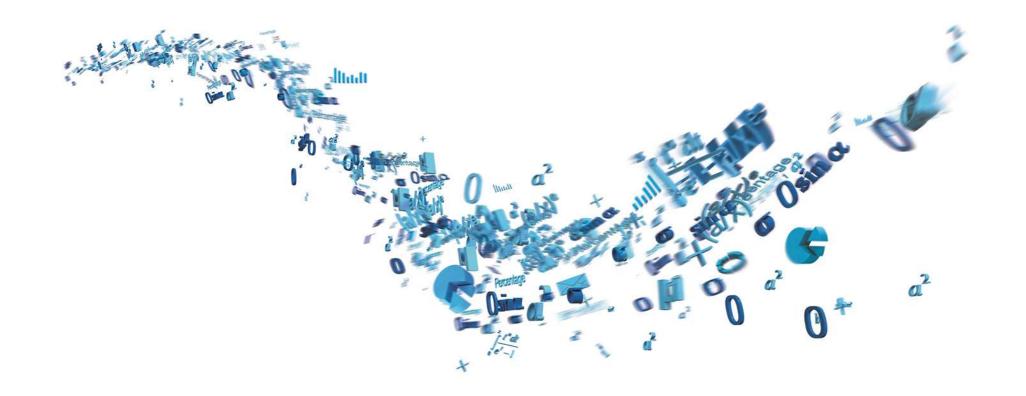
Peer Group:









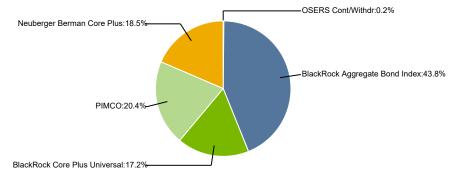


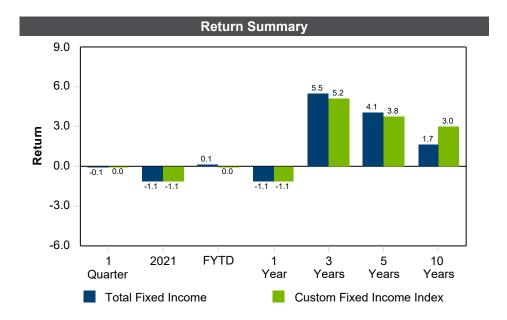
### **Fixed Income Performance**



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







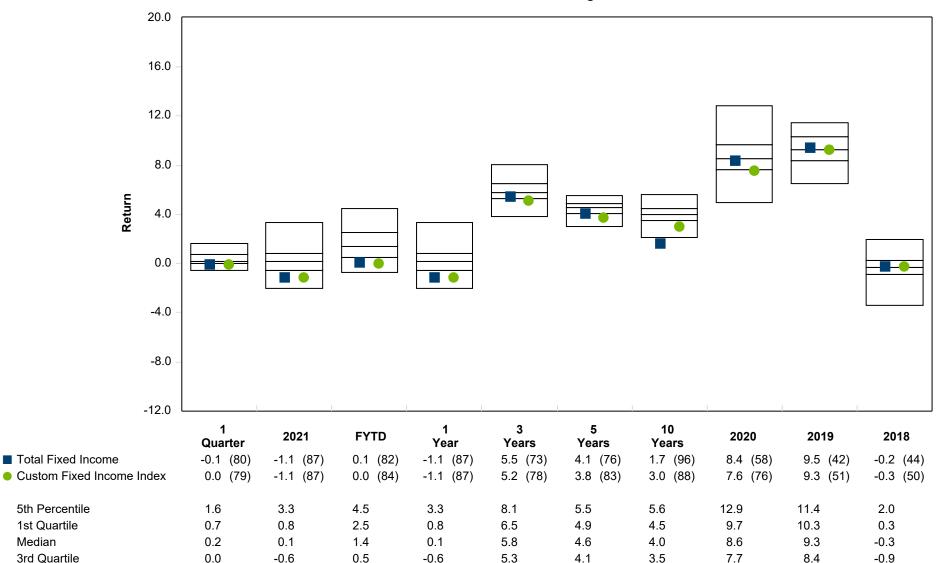
#### **Quarterly Excess Performance** 1.5% 1.0% 0.5% 0.0% -0.5 % -1.0 % 3/18 9/18 3/20 9/20 3/21 12/21 3/17 9/17 3/19 Quarterly Out Performance Quarterly Under Performance





#### **Plan Sponsor Peer Group Analysis**

#### All Public Plans > \$1B-US Fixed Income Segment



Parentheses contain percentile rankings.

-0.6

60

-2.0

58

-0.7

55

5th Percentile

1st Quartile

3rd Quartile

Population

95th Percentile

Median



-3.4

56

3.8

51

3.0

48

2.1

36

4.9

59

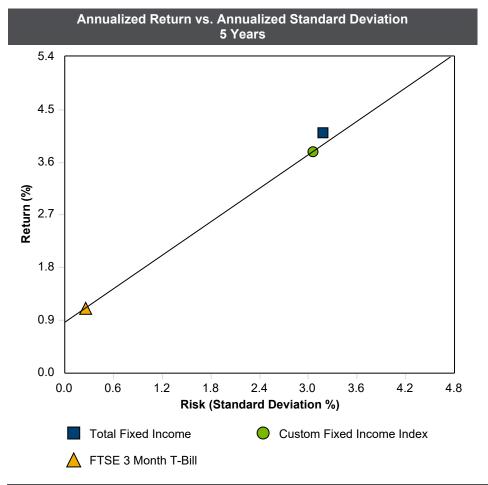
6.5

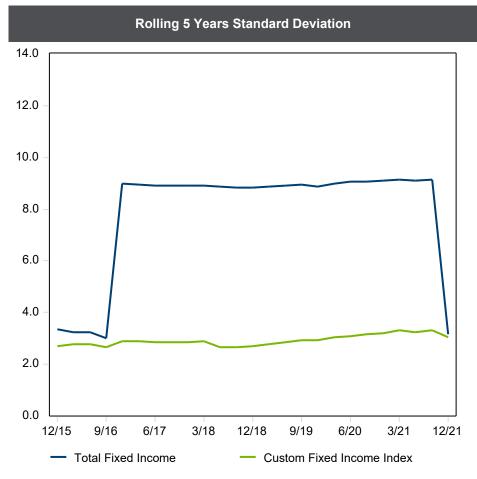
53

-2.0

58

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





5 Years Historical Statistics														
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation				
Total Fixed Income	0.32	0.40	0.80	0.99	0.95	0.20	1.03	4.11	3.17	0.99				
Custom Fixed Income Index	0.00	0.00	N/A	1.00	0.88	0.00	1.00	3.78	3.05	1.00				
FTSE 3 Month T-Bill	-2.65	3.01	-0.88	0.04	N/A	1.05	0.02	1.11	0.26	0.21				



#### **BlackRock Aggregate Bond Index Performance Summary**

#### **Account Information**

Account Name: BlackRock Aggregate Bond Index

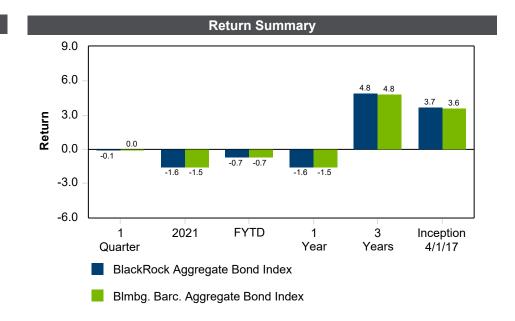
Inception Date: 04/01/2017

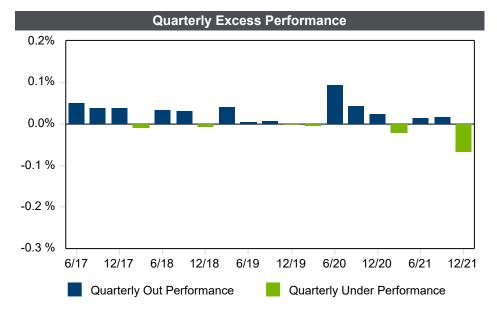
Account Structure: Commingled Fund

Asset Class: US Fixed Income

Benchmark: Blmbg. Barc. Aggregate Bond Index

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



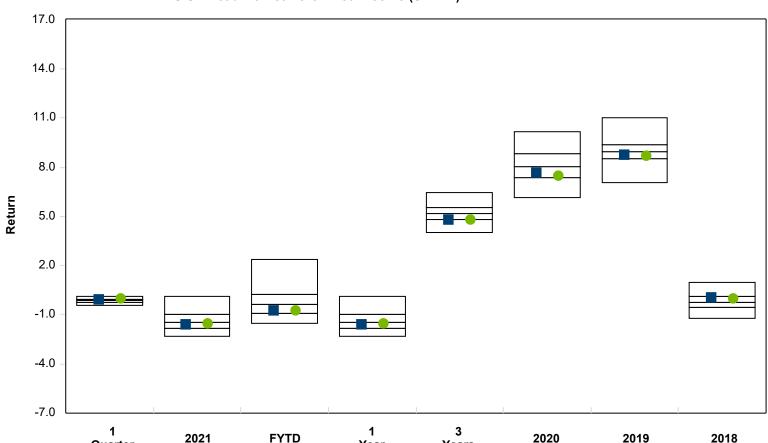


# 1.01 1.00 1.00 1.00 2.00 3/17 9/17 3/18 9/18 3/19 9/19 3/20 9/20 3/21 12/21 — BlackRock Aggregate Bond Index



Benchmark

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



	1 Quarter	2021	FYTD	1 Year	3 Years	2020	2019	2018
■ BlackRock Aggregate Bond Index	-0.1 (28)	-1.6 (57)	-0.7 (69)	-1.6 (57)	4.8 (69)	7.7 (62)	8.8 (64)	0.1 (29)
<ul><li>Blmbg. Barc. Aggregate Bond Index</li></ul>	0.0 (16)	-1.5 (53)	-0.7 (67)	-1.5 (53)	4.8 (77)	7.5 (69)	8.7 (69)	0.0 (32)
5th Percentile	0.1	0.1	2.4	0.1	6.5	10.2	11.1	1.0
1st Quartile	0.0	-1.0	0.3	-1.0	5.5	8.8	9.4	0.1
Median	-0.1	-1.5	-0.4	-1.5	5.2	8.0	9.0	-0.2
3rd Quartile	-0.2	-1.8	-0.9	-1.8	4.8	7.4	8.5	-0.5
95th Percentile	-0.4	-2.3	-1.5	-2.3	4.0	6.2	7.0	-1.2
Population	90	89	88	89	87	95	98	99



#### **BlackRock Core Plus Universal Performance Summary**

#### **Account Information**

Account Name: BlackRock Core Plus Universal

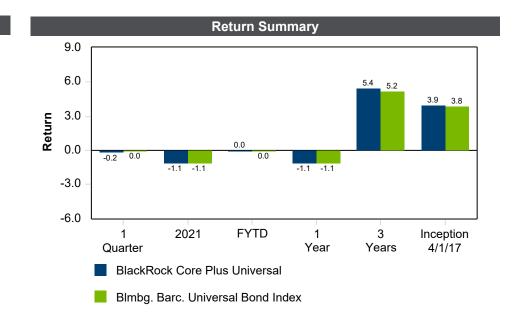
Inception Date: 04/01/2017

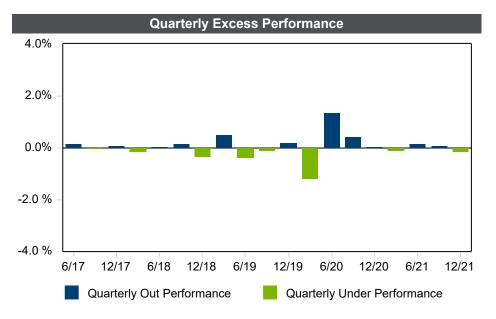
Account Structure: Separate Account

Asset Class: US Fixed Income

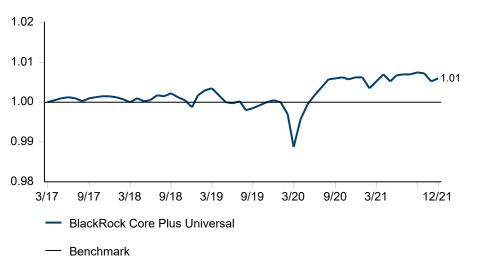
Benchmark: Blmbg. Barc. Universal Bond Index

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



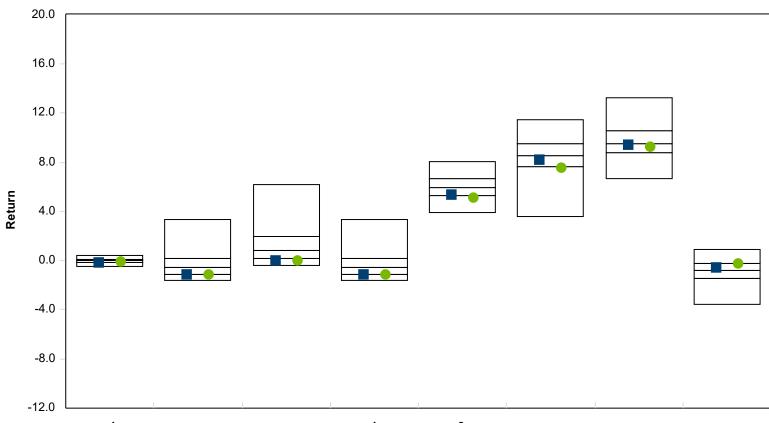


#### Ratio of Cumulative Wealth - Since Inception





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



	1 Quarter	2021	FYTD	1 Year	3 Years	2020	2019	2018
■ BlackRock Core Plus Universal	-0.2 (78)	-1.1 (77)	0.0 (83)	-1.1 (77)	5.4 (69)	8.2 (60)	9.5 (52)	-0.5 (43)
<ul><li>Blmbg. Barc. Universal Bond Index</li></ul>	0.0 (54)	-1.1 (76)	0.0 (84)	-1.1 (76)	5.2 (80)	7.6 (78)	9.3 (58)	-0.3 (29)
5th Percentile	0.4	3.3	6.2	3.3	8.1	11.5	13.3	0.9
1st Quartile	0.1	0.1	2.0	0.1	6.6	9.5	10.6	-0.2
Median	0.0	-0.5	8.0	-0.5	5.9	8.5	9.5	-0.8
3rd Quartile	-0.1	-1.1	0.2	-1.1	5.3	7.7	8.8	-1.5
95th Percentile	-0.5	-1.6	-0.4	-1.6	3.9	3.6	6.6	-3.5
Population	110	110	110	110	108	122	126	125



#### **PIMCO Performance Summary**

#### **Account Information**

Account Name: PIMCO

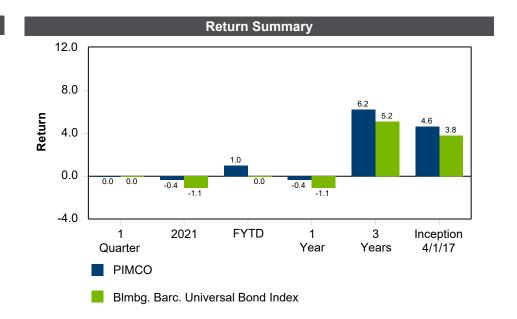
Inception Date: 04/01/2017

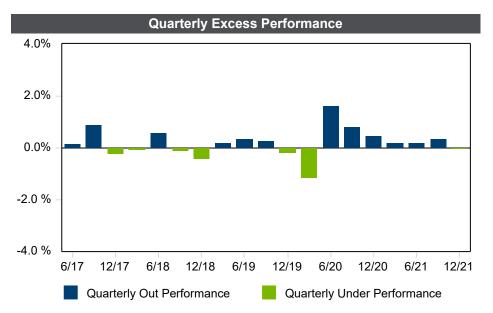
Account Structure: Separate Account

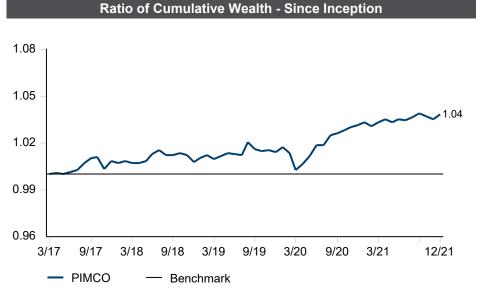
Asset Class: US Fixed Income

Benchmark: Blmbg. Barc. Universal Bond Index\*

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

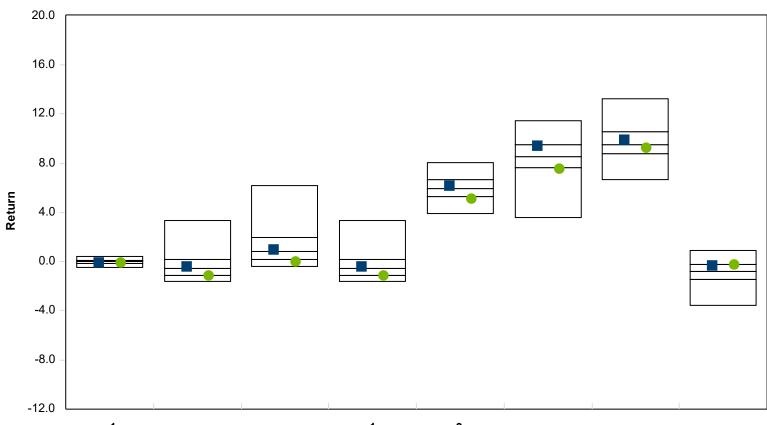








IM U.S. Broad Market Core+ Fixed Income (SA+CF)



	1 Quarter	2021	FYTD	1 Year	3 Years	2020	2019	2018
■ PIMCO	0.0 (57)	-0.4 (40)	1.0 (47)	-0.4 (40)	6.2 (40)	9.4 (28)	10.0 (36)	-0.3 (31)
Blmbg. Barc. Universal Bond Index*	0.0 (54)	-1.1 (76)	0.0 (84)	-1.1 (76)	5.2 (80)	7.6 (78)	9.3 (58)	-0.3 (29)
5th Percentile	0.4	3.3	6.2	3.3	8.1	11.5	13.3	0.9
1st Quartile	0.1	0.1	2.0	0.1	6.6	9.5	10.6	-0.2
Median	0.0	-0.5	8.0	-0.5	5.9	8.5	9.5	-0.8
3rd Quartile	-0.1	-1.1	0.2	-1.1	5.3	7.7	8.8	-1.5
95th Percentile	-0.5	-1.6	-0.4	-1.6	3.9	3.6	6.6	-3.5
Population	110	110	110	110	108	122	126	125



#### **Neuberger Berman Core Plus Performance Summary**

#### **Account Information**

Account Name: Neuberger Berman Core Plus

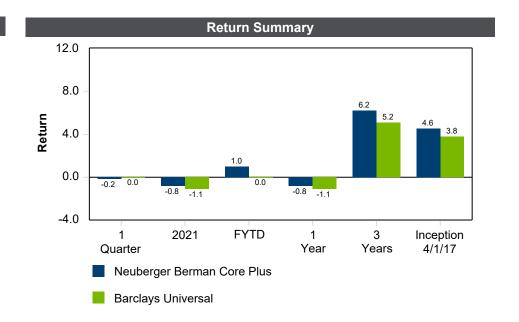
Inception Date: 04/01/2017

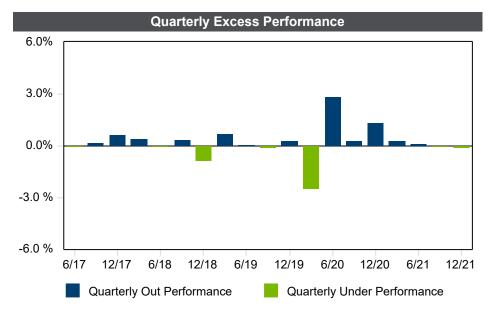
Account Structure: Separate Account

Asset Class: US Fixed Income

Benchmark: Barclays Universal

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



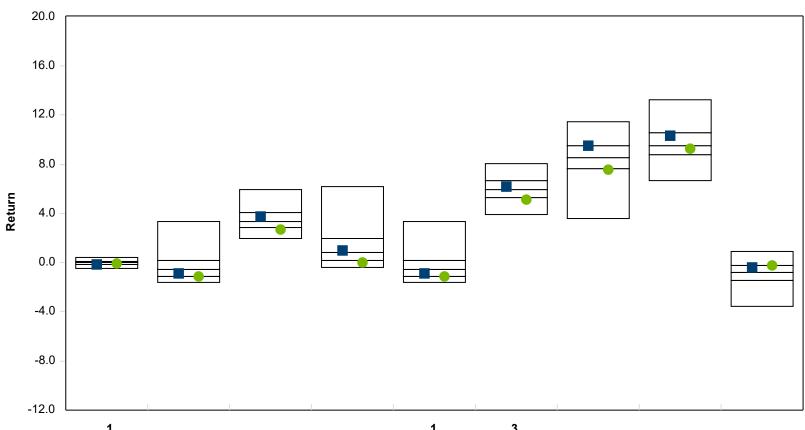


# 1.08 1.05 1.02 0.99 0.96 3/17 9/17 3/18 9/18 3/19 9/19 3/20 9/20 3/21 12/21 — Neuberger Berman Core Plus — Benchmark

**Ratio of Cumulative Wealth - Since Inception** 



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



	1 Quarter	2021	FYTD	FYTD	1 Year	3 Years	2020	2019	2018
Neuberger Berman Core Plus	-0.2 (79)	-0.8 (60)	3.7 (40)	1.0 (46)	-0.8 (60)	6.2 (41)	9.5 (26)	10.3 (29)	-0.4 (36)
<ul><li>Barclays Universal</li></ul>	0.0 (54)	-1.1 (76)	2.7 (82)	0.0 (84)	-1.1 (76)	5.2 (80)	7.6 (78)	9.3 (58)	-0.3 (29)
5th Percentile	0.4	3.3	5.9	6.2	3.3	8.1	11.5	13.3	0.9
1st Quartile	0.1	0.1	4.1	2.0	0.1	6.6	9.5	10.6	-0.2
Median	0.0	-0.5	3.4	0.8	-0.5	5.9	8.5	9.5	-0.8
3rd Quartile	-0.1	-1.1	2.9	0.2	-1.1	5.3	7.7	8.8	-1.5
95th Percentile	-0.5	-1.6	1.9	-0.4	-1.6	3.9	3.6	6.6	-3.5
Population	110	110	109	110	110	108	122	126	125





## **Hedge Fund Performance**

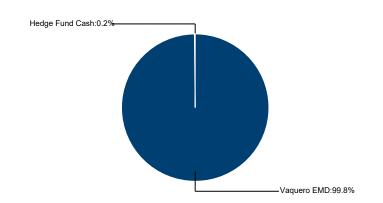


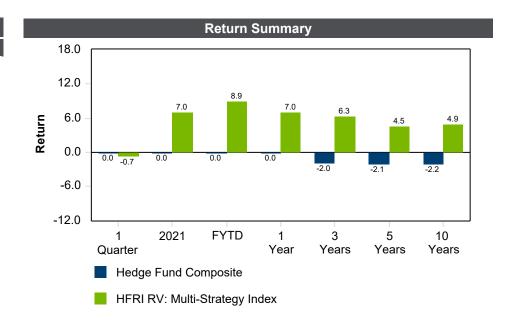
## As of December 31, 2021

# **Hedge Fund Composite Portfolio Overview**

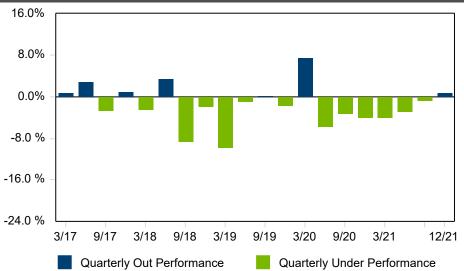


December 31, 2021 : \$7M

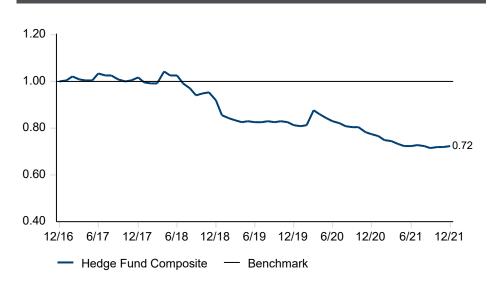




# **Quarterly Excess Performance**



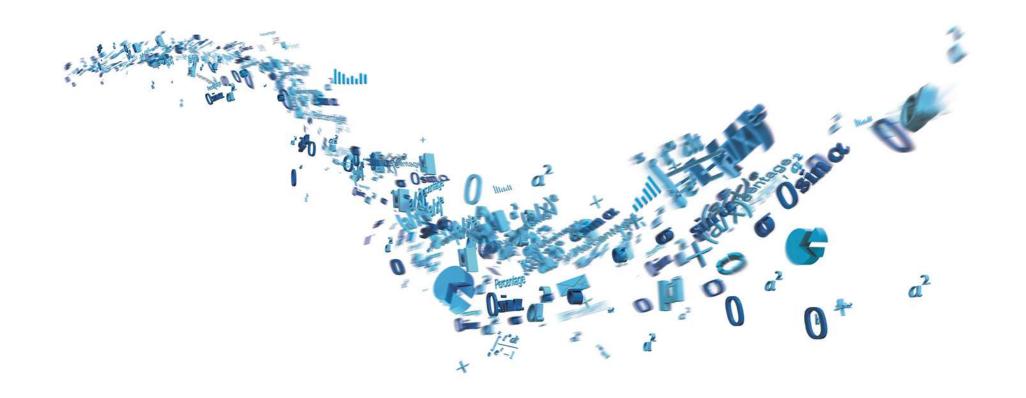
## **Ratio of Cumulative Wealth - 5 Years**





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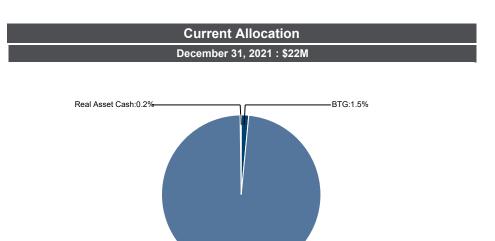
# **Real Asset Performance**

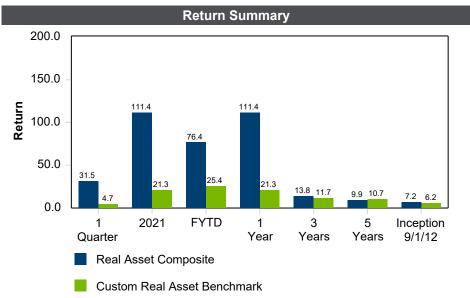


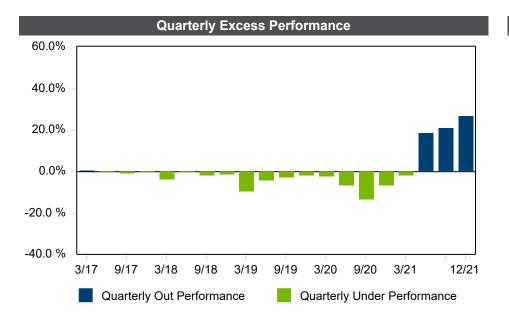
JP Morgan Global Maritime:98.3%

## As of December 31, 2021

# **Real Asset Composite Portfolio Overview**

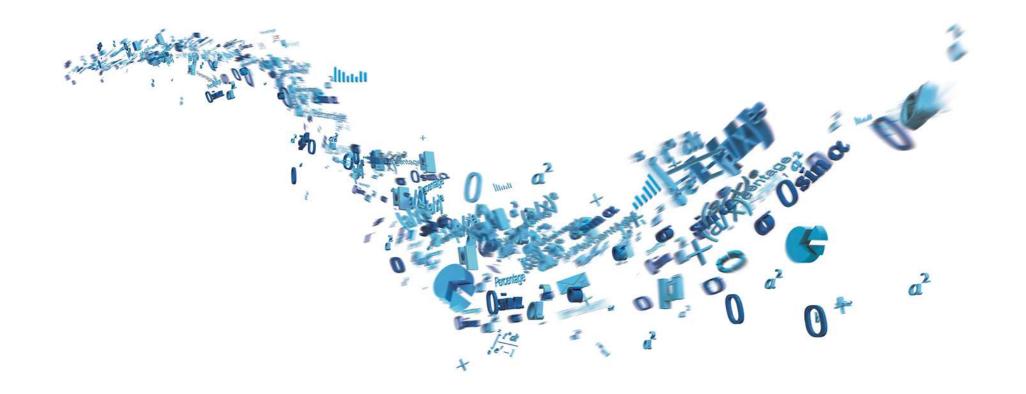










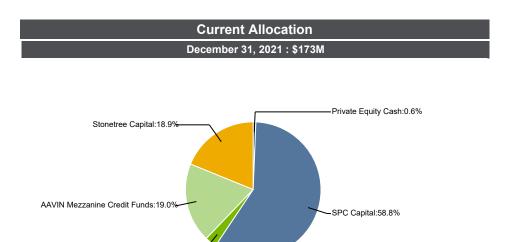


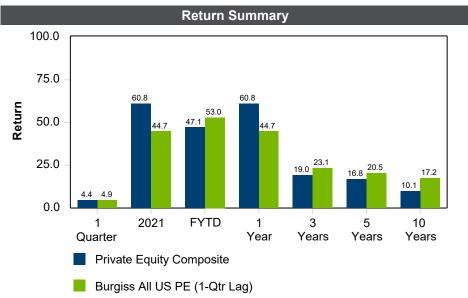
# **Private Equity Performance**

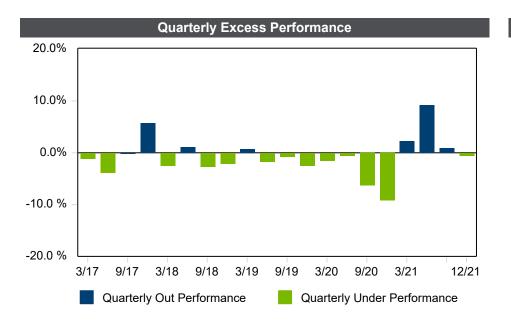


FCP Capital:2.8%

# **Private Equity Composite Portfolio Overview**

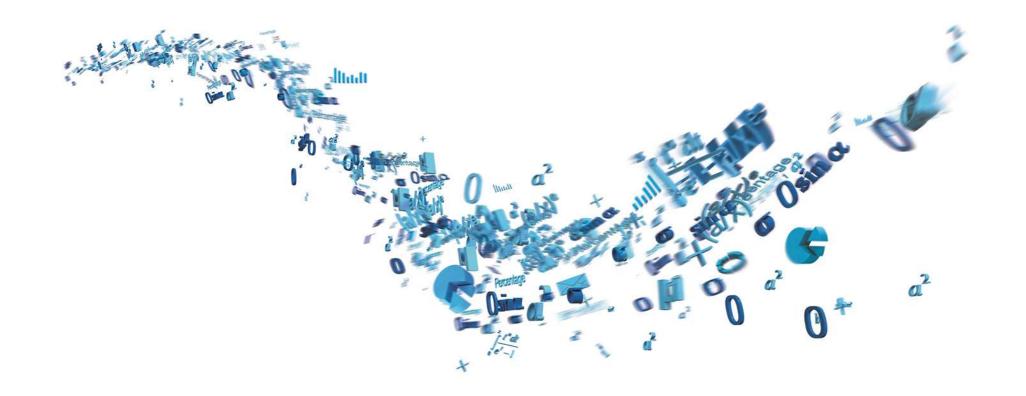










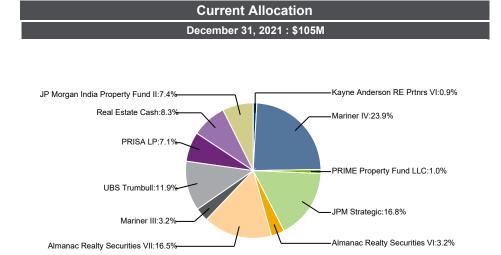


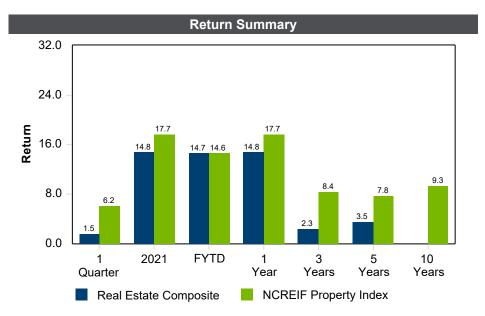
# **Real Estate Performance**

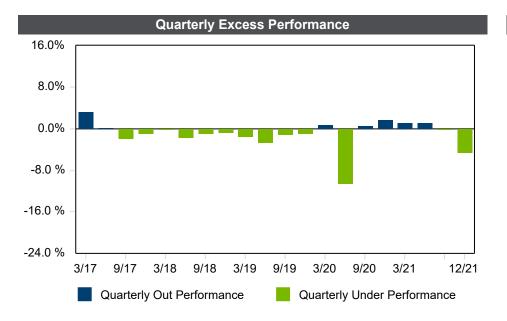


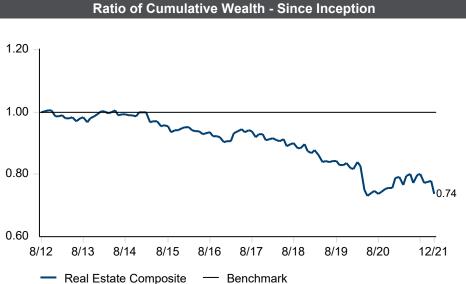
## As of December 31, 2021

# **Real Estate Composite Portfolio Overview**











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# **Appendix**



Bloomberg Barclays Corporate High Yield Bond Index - An index that covers the U.S.D-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 Barclays Emerging Markets Index - An unmanaged index that tracks total returns for external-currency-denominated debt instruments of the emerging markets.

**Bloomberg Barclays 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 U.S.D investment grade 144A securities.

Bloomberg Barclays Global Treasury Ex-U.S. - The Barclays Global Treasury ex U.S. Index is a subset of the flagship Global Treasury Index that does not have any exposure to U.S. debt. This multi-currency benchmark includes investment grade, fixed-rate bonds issued by governments in their native currencies.

Bloomberg Barclays Inflation Index - Measures the performance of the U.S. Treasury Inflation Protected Securities ("TIPS") market.

**Bloomberg Barclays 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 Barclays 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 M or greater. This index is a broad measure of the performance of the investment grade U.S. fixed income market.

Bloomberg Barclays U.S. Government/Credit Index - A subcomponent of the Barclays Capital Aggregate Index, this benchmark includes treasury securities, government related issues, and high quality corporate bonds with an outstanding par value of \$250 M or greater and at least one year of maturity remaining.

Bloomberg Barclays 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 Barclays 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 M or greater and at least one year of maturity remaining.

Bloomberg Barclays 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 M or greater.

**Bloomberg Barclays 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.

Bloomberg Barclays U.S. Intermediate Government/Credit Index - A market-value weighted index consisting of U.S. government bonds and SEC-registered corporate bonds with one to ten years to maturity and an outstanding par value of \$150 M or greater.

Bloomberg Barclays U.S. Intermediate Treasury - An unmanaged index considered representative of intermediate-term fixed- income obligations issued by the U.S. Treasury.

Bloomberg Barclays 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 Barclays U.S. Long Gov't/Credit Index - The Barclays 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 M or more of outstanding face value, and must be fixed rate and non-convertible.

Bloomberg Barclays U.S. Long 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 Barclays 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 Barclays U.S. Treasury 20-30 Year STRIPS Index - A subcomponent of the Barclays 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.

Citigroup 90-Day T-Bill Index - An index that measures the average return of the last three-month U.S. Treasury Bill issues.

Credit Suisse Leveraged Loan Index - Designed to mirror the investable universe of the U.S. dollar denominated leveraged loan market.

**CRSP U.S. Large Cap Index** - an index comprised of nearly 640 U.S. large cap companies and includes securities traded on NYSE, NYSE Market, NASDAQ, or ARCA, representing nearly 85% 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 U.S. 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.

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 U.S. 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 U.S. 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.

FTSE NAREIT U.S. Equity REITS - Free float adjusted, market capitalization weighted index of U.S. 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.

HFRI Fund-of-Fund Index - This index is equal-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 M under managements and have been actively trading for at least one year. All funds report net monthly returns.

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 U.S. Dollar and have a minimum of \$50 M 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.

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.

**J.P. Morgan EMBI Global Diversified** - Comprised of dollar-denominated Brady bonds, traded loans and Eurobonds issued by emerging market 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.

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-U.S. stock market, covering approximately 99% of the global equity investment opportunity set outside of the United States.



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 - 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 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 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 Index - A capitalization-weighted index of stocks representing 22 developed countries in Europe, Australia, Asia, and the Far East.

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 Emerging Markets Value Index - A capitalization-weighted index considered representative of value stocks across 46 stock markets in Europe, Australia, the Far East, the Middle East, Latin America and North America.

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 investability 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 - A capitalization-weighted index of privately owned investment grade income-producing properties representing approximately \$269 billion in assets.

**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.

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 Index - A capitalization-weighted index of the 800 smallest stocks in the Russell 1000 Index. This index is a broad measure of mid-capitalization stocks.

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 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 - 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 M and have at least 75% of the total revenue derived from the ownership and operation of the real estate assets.

- Indices cannot be invested in directly. Unmanaged index returns assume reinvestment of any and all distributions and do not reflect our fees or expenses.
- Past performance is no guarantee of future results.
- Please feel free to contact us at <u>retirement@aon.com</u> for more index information.



## **Defined Benefit Plan – Benchmarks and Universes**

#### **Total Fund**

Benchmark: 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, 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. 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.

Universe 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

<u>Universe:</u> 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



# **Defined Benefit Plan – Benchmarks and Universes**

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.

<u>Universe:</u> 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.

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)

#### Dodge & Cox

Benchmark: MSCI All Country World Index IMI

#### **Fixed Income Component**

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 November 2004, 40% the Citigroup Large Public Fund Index and 60% 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.

#### BlackRock Core Plus Universal

Benchmark: The Bloomberg Barclays Universal Bond Index

#### **PIMCO**

Benchmark: The Bloomberg Barclays Universal Bond Index



## **Appendix**

# **Defined Benefit Plan – Benchmarks and Universes**

## **BlackRock Aggregate Bond Index**

Benchmark: The Bloomberg Barclays Aggregate Bond Index

#### **Loomis Sayles**

Benchmark: As of August 1, 2010 the benchmark is the Bloomberg Barclays Universal Bond Index. Prior to July 31, 2010 the benchmark was the Bloomberg Barclays High Yield Index.

#### **Wellington Global**

Benchmark: The Bloomberg Barclays Global Aggregate Index

#### **Loomis Sayles Bank Loans**

Benchmark: The S&P/LSTA Leveraged Loan Index

#### Franklin Templeton

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

#### **Neuberger Berman Core Plus**

Benchmark: The Bloomberg Barclays Universal Bond 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%



## **Appendix**

# **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: A composite of 32% of the DJ U.S. Total Stock Market Index, 30% of the Bloomberg Barclays Universal 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.



## **Cash Balance Plan**

#### **Total Fund**

Benchmark: 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, 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 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

<u>Universe:</u> 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.



## **Appendix**

## **Cash Balance Plan**

<u>Universe:</u> 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.

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**

<u>Benchmark:</u> 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 November 2004, 40% the Citigroup Large Public Fund Index and 60% 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.

#### BlackRock Core Plus Universal

Benchmark: The Bloomberg Barclays Universal Bond Index

#### **PIMCO**

Benchmark: The Bloomberg Barclays Universal Bond Index

#### BlackRock Aggregate Bond Index

Benchmark: The Bloomberg Barclays Aggregate Bond Index



# **Cash Balance Plan**

## **Loomis Sayles**

Benchmark: As of August 1, 2010 the benchmark is the Bloomberg Barclays U.S. Universal Bond Index. Prior to July 31,2010 the benchmark was the Bloomberg Barclays High Yield Index.

## **Wellington Global**

Benchmark: The Bloomberg Barlcays Global Aggregate Index

## **Loomis Sayles Bank Loans**

Benchmark: The S&P/LSTA Leveraged Loan Index

## Franklin Templeton

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

## **Neuberger Berman Core Plus**

Benchmark: The Bloomberg Barclays Universal Bond 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%



#### **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 2000 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 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, 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 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. 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 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 2500 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 2500 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 Float Adjusted Bond 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 2000 Value 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 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 1000 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 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% FTSE High Dividend Yield Index, 14.0% of the Russell 1000 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.

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

<u>Benchmark:</u> 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 1000 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.

#### **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 1000 Growth Index, 1.0% of the Russell 2500 Growth Index, 1.0% 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 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 2500 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. 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 2500 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 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 Float Adjusted Bond 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 2000 Value 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 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% FTSE High Dividend Yield Index, 13.0% of the Russell 1000 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 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 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% FTSE High Dividend Yield Index, 14.0% of the Russell 1000 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.

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

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

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

<u>Benchmark:</u> 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 1000 Growth Index, 1.0% of the Russell 2500 Growth Index, 1.0% of the Russell 2000 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 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 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. 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 2500 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 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, 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 2500 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 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 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 2000 Value 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 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 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 - 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 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 theBarclays 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 the MSCI US Investable Market Real Estate 25/50 Index.

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



<u>Benchmark:</u> 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**

<u>Benchmark:</u> 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 theBarclays 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 theBarclays 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 theBarclays 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**

<u>Benchmark:</u> 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**

<u>Benchmark:</u> 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 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 theBarclays 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 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. 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 2500 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 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 1000 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 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 1000 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.

## **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 CRSP US Total Market Index, 3.0% of the Russell 1000 Value Index, 3.0% 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 Value Index, 5.0% of the Russell 1000 Value Index, 5.0% 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 1000 Growth Index, 2.0% 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 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 1000 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**

<u>Benchmark:</u> 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 Value Index, 9.0% of the Russell 1000 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 2500 Growth Index, 3.0% of the Russell 2500 Growth Index, 3.0% 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 2500 Growth Index, 3.0% of the Russell 2500 Growth Index, 3.0% 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

<u>Benchmark:</u> 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 2500 Growth Index, 4.0% 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.

## 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, 15.0% of the Russell 1000 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.

#### **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 ACWI ex-USA Investable Market Index, 1.0% 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 CRSP US Total Market Index, 3.0% of the Russell 1000 Value Index, 3.0% 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 Value Index, 5.0% of the Russell 1000 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 Value Index, 6.0% of the Russell 1000 Growth Index, 2.0% of the Russell 2500 Growth Index, 2.0% 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 Value Index, 8.0% of the Russell 1000 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 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 Value Index, 9.0% of the Russell 1000 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 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 2500 Growth Index, 3.0% of the Russell 2500 Growth Index, 3.0% 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 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 2500 Growth Index, 3.0% of the Russell 2500 Growth Index, 3.0% 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 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 2500 Growth Index, 4.0% of the Russell 2500 Growth Index, 4.0% 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.

#### **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 - Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged), 27.0% of the CRSP US Total Market 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 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 - Global 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**

<u>Benchmark:</u> 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 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 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 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. 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 1000 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 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 2500 Growth Index, 3.0% 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 1000 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**

<u>Benchmark:</u> 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 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% 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. 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 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 Aggregated Bond Index, 9.5% of the Bloomberg Barclays U.S. 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 Aggregated Bond Index, 6.0% 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 J.P. Morgan GBI-EM Global Core Index, 4.0% of the FTSE 3-Month T



-Bill.

#### **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 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.

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

<u>Benchmark:</u> 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

<u>Benchmark:</u> 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 US Aggregate Bond Index, 24.0% 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 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% 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 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 % 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 U.S. 1-5



# **College Savings Plans of Nebraska**

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 % 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 Markets Extended ESG Focus Index, 22.0% of the Bloomberg Barclays US Aggregate Bond Index, 6.0% 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 % 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 TIAA ESG USA Small-Cap Index, 14.0% of the MSCI EAFE Extended ESG Focus Index, 3.5% 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 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**

<u>Benchmark:</u> 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 US Aggregated Bond Index, 10.0% 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



# **College Savings Plans of Nebraska**

-Bill.

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

<u>Benchmark:</u> 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 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 Emerging Markets Extended ESG Focus Index, 23.0% 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 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 % 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 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 % 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 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% FTSE 3-Month T-Bill Index.



# **Appendix**

# **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**

<u>Benchmark:</u> 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. Gov/Credit: 1-5 Year, 15.0% of the Blmbg Barclays U.S. 0-5 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 ACWI ex USA (Net) Index, 5.0% of the Bloomberg Barclays Capital U.S. Aggregate Index, and 5.0% 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. Aggregate Index, 6.0% 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. Aggregate Index, 13.0% 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. 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. Aggregate Index, 17.0% 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.



# As of December 31, 2021

# **State Farm College Savings Plan**

## **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**

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. Aggregate Index, 6.0% 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. 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.



# As of December 31, 2021

# 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 + 15 basis points. Prior to October 1997, the 90-Day T-Bill + 90 basis points.

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

<u>Benchmark:</u> 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 3 Month U.S. T-Bill, 51% 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 15% of the 90-Day T-Bill + 15 basis points. Prior to October 1997, the benchmark consisted of 50% 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.



# **Endowment Pool**

#### 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, 5.0% of the MSCI All Country World IMI, 50.0% of the fixed income component benchmark, 4.0% of the real estate component benchmark, and 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 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: Bloomberg Barclays Aggregate Bond Index until March 31, 2005, the Bloomberg Barclays Universal Bond Index thereafter

#### **Fixed Income Component**

Benchmark: Bloomberg Barclays Aggregate Bond Index until March 31, 2005, the Bloomberg Barclays Universal Bond Index thereafter

#### 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.



# **Endowment Pool**

#### 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, PIMCO**

Benchmark: The Bloomberg Barclays Universal Index. Prior to April 2005, the Bloomberg Barclays Aggregate Bond Index.

#### **Loomis Sayles**

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

## **Neuberger Berman Core Plus**

Benchmark: The Bloomberg Barclays Universal Bond Index

# Blackrock Aggregate Bond Index

Benchmark: The Bloomberg Barclays Aggregate Index.



# **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 ACWI/Blmbg. Barc. U.S. Agg Index. Prior to October 1, 2016, performance history was calculated by NEPC.

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

<u>Benchmark:</u> 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**

<u>Benchmark:</u> 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: Beginning April 1, 2017, the Custom Fixed Income Benchmark is composed of the Bloomberg Barclays Universal Index. Prior to April 1, 2017, Bloomberg Barclays Aggregate Index

# **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.

## **Real Estate Composite**

Benchmark: The NCREIF Property Index.



# **Appendix**

# **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.



# **Appendix**

# **Manager Descriptions**

# DFA

The objective of the DFA Small Cap Trust is to capture the returns of the small company asset class while reducing transaction costs. The portfolio holds capitalization-weighted positions of all eligible securities. Industry diversification is a residual of the process. In an attempt to minimize the costs of a pure indexing strategy that demands immediate execution in illiquid small-cap markets, DFA's trading strategy focuses on controlling transaction costs. DFA establishes buy, hold, and sell ranges aimed at moderating turnover and limiting transaction costs. Price sensitivity takes precedence over time of execution and block trading is utilized whenever possible.

#### BlackRock Russell 1000 Index

BlackRock Russell 1000 Index Fund provides a passive investment in the large cap segment of the stock market, and holds issues in their appropriate weights with those of the Index.

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

The BlackRock ACWI ex-U.S. IMI Fund is a composite fund, comprised of individual country funds weighted proportionately to the weights of those countries that constitute the Index. The object of the Fund is to track the return of the MSCI AC World ex-U.S. IMI.



# **Manager Descriptions**

#### Arrowstreet

Arrowstreet uses an active, quantitative investment approach. It looks to consistently outperform the benchmark through varying market conditions. Arrowstreet's quantitative models examine both information and behaviour to identify attractive stocks from around the world. Arrowstreet then uses forecasting models and the judgment of its investment team to combine its rigorous quantitative research with investment intuition.

#### MFS

The MFS Global Equity portfolio is a relatively concentrated, actively managed product that seeks to measure each company's ability to generate above-average, sustainable earnings growth while considering the attractiveness of their valuation. MFS focuses on a fundamental bottom-up company analysis by research analysts organized along global sector lines. Using quantitative screens, the investment professionals narrow the investable universe from 5,000 names to about 450 names, rated "buy". From there the analysts perform proprietary fundamental analysis on each buy-rated company to determine if it should be included in the portfolio. Analysts are given the discretion to use whatever models they deem appropriate for the given stock's sector and country. From there, the investment team will include 90-110 names in the portfolio.

# **Wellington Equity**

The philosophy of the Global Equities approaches is based on four key tenets. The first principle is that high active share strategies outperform. Active share is a metric which calculates the magnitude of the active bets in a portfolio. An increasing body of academic evidence and proprietary research conducted by the Team supports this. Nonetheless, high active share investing entails a much greater level of risk than many can tolerate. In fact, the majority of the strategies utilized in the Global Equities approach are custom portfolios not broadly utilized or marketed outside of this team managed approach due to their high level of concentration and/or volatility. However, by combining independent and complementary high active share strategies, the team strives to retain the high level of alpha these styles can generate while minimizing the significant drawdowns that often occur with aggressive investment styles such as these.

# Dodge & Cox

Dodge & Cox employs a fundamental, bottom-up investment approach and seeks to invest in companies with long-term earnings and cash flow growth prospects that are selling at attractive prices. The Fund is managed by a team of experienced and talented investors that form the Global Stock Investment Committee ("GSIC"), which in turn is supported by well-resourced, high-quality industry research teams. Analysts construct detailed financial models and conduct extensive company management visits across the value chain.

#### BlackRock Core Plus Universal

BlackRock's fixed income management approach revolves around the following fundamental principle: The firm does not believe significant value can be added through interest rate forecasting, and therefore manages portfolio durations within a narrow band around the index. BlackRock utilizes sophisticated proprietary quantitative tools to evaluate the cash flows of complex fixed income securities. In making sector and security decisions, BlackRock considers both fundamental and technical factors, including macroeconomic trends, supply and demand analysis, yield curve structure, and volatility and convexity analysis. The firm believes that it can add value by utilizing a broader range of eligible assets, including a wide range of mortgage securities, medium-term notes, floating-rate notes, and Treasury STRIPS.

## **PIMCO**

PIMCO employs a top-down, core approach that combines active sector rotation and moderate duration positions. The firm's objective is to add value without increasing risk by using innovative portfolio management techniques and by identifying superior sector and issue opportunities. Although PIMCO generally keeps portfolio duration within 30% of that of the benchmark, the manager shifts other dimensions of the portfolio (sector weightings, coupon, yield curve exposure, etc.) more liberally, depending on where they find value. PIMCO uses fixed income derivative instruments both for hedging purposes and as synthetic investments.



# **Manager Descriptions**

## BlackRock Aggregate Bond Index

BlackRock employs a modular structure in capturing the U.S. bond market. The Fund's structure can be thought of as a "superfund," or a fund constructed by holding units of the following seven modular funds that each track its own particular segment of the Barclays Universe - Intermediate Government, Long Government, Intermediate Credit, Long Credit, Mortgage-Backed, Asset-Backed, and Commercial Mortgage-Backed. Each individual modular fund is constructed to accurately represent the overall risk and return characteristics of its relevant benchmark universe. BlackRock uses a combination of a cellular stratified sampling approach and a risk factor model.

## **Loomis Sayles**

Loomis Sayles employs an opportunistic buy-and-hold approach of purchasing long-dated, call-protected, lower-quality corporate paper generally at a deep discount. For its High Yield strategy, the manager will opportunistically invest in foreign local government debt as well as make extensive use of busted convertibles and preferred issues. Loomis Sayles' strong fundamental credit research supports the manager's credit-driven process. The manager employs over 20 senior fixed income analysts who are supported by research associates. These senior analysts, who perform fundamental sector, industry, and company analysis across the global credit ratings spectrum, work in concert with fixed income traders/specialists who monitor the market and provide relative value inputs. Loomis Sayles' portfolio managers synthesize the credit fundamentals and relative value analysis to make buy/sell decisions. The portfolio may look significantly different than the benchmark.

## **Wellington Global**

The Global Aggregate approach seeks to generate consistent excess returns through the combination of lowly correlated investment strategies developed by five highly specialized investment teams. Each team has a unique area of focus which is sector, region, or investment style based. This unique team structure ensures that Global Aggregate portfolios are highly diversified which leads to more consistent risk-adjusted returns in a wide variety of market environments. The Global Aggregate approach seeks to generate 1% - 1.5% of excess relative return over the Barclays Global Aggregate Bond Index. Global Aggregate portfolios invest in debt securities of government, corporate, and securitized debt issuers from around the world.

# **Loomis Sayles Bank Loans**

Loomis Sayles structures bank loan portfolios in a conservative and benchmark-aware framework. Initial screening criteria include likelihood of default and size of loan relative to size of company. Analysts focus on understanding collateral, level of debt and equity subordination, cash flow generation ability, strength of covenants, and equity valuation. Loomis Sayles' bank loan strategy favors high quality loans with a focus on the risk-return trade-off between BB and B loans, and seeks to avoid CCC & below and second lien loans.

## Franklin Templeton

Franklin Templeton applies a bottom-up approach to portfolio construction that is supplemented with industry top-down views. Franklin Templeton believes that constructing diversified portfolios of predominantly senior-secured floating rate debt instruments can provide the potential for high income. Franklin Templeton seeks to reduce levels of overall credit risk and principal value volatility through independent fundamental credit research and active portfolio management. The manager's bank loan strategy aims to minimize default risk and, as a result, places a low priority on price appreciation.

#### Neuberger Berman

Neuberger Berman employs a process in managing its fixed income strategies that combines top-down and bottom-up sources of active management, while complementing its approach with quantitative models to calibrate the manger's views. The process is predicated on the manager's philosophy that asset prices reflect consensus expectations across an array of factors, such as the path of interest rates, the shape of the yield curve, credit risk, cash flow patterns, and volatility; and leads to opportunities. Neuberger Berman believes it is able to add value over time from its interest rate framework, productive sector decisions, and fundamentally-driven issue selection.



# **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.

Unless otherwise noted, performance returns presented reflect the respective fund's performance as indicated. Returns may be presented on a before-fees basis (gross) or after-fees basis (net). After-fee performance is net of each respective sub-advisors' investment management fees and include the reinvestment of dividends and interest as indicated on the notes page within this report or on the asset allocation and performance summary pages. Actual returns may be reduced by Aon Investments' investment advisory fees or other trust payable expenses you may incur as a client. Aon Investments' advisory fees are described in Form ADV Part 2A. Portfolio performance, characteristics and volatility also may differ from the benchmark(s) shown.

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