

# Nebraska Investment Council | Fourth Quarter 2020

# **Quarterly Investment Review**

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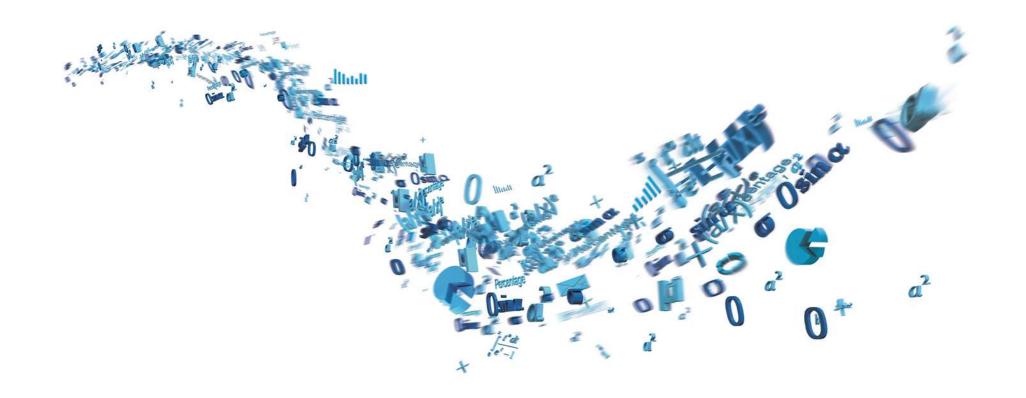
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# **Market Environment**



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

#### **Market Environment**

- High equity valuations mean less room for error, and potentially less than stellar returns
- High correlations across asset classes raise questions about diversification and challenges for risk management
- Low yields suppress traditional sources of income

### **Current Investment Themes**

- Manage equity risk carefully. We would not recommend pursuing large over-weights or underweights.
- Reassess the value of traditional diversifying assets; their benefit might not be as large as thought.
- Seek risk premiums in markets others cannot as readily play in.
   For example, alternative credits, and other alternative strategies.
- Prepare for opportunities that will arise as we move through the downturn
- Increasing attention to ESG & Diverse Manager Investing

# **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, insurance-linked securities, China A-shares, infrastructure, and segments of the real estate market
- Consider adding an Opportunity Allocation to capitalize on attractive and timely opportunities

The opinions referenced are as of December 31, 2020 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 Retirement Plans**

| Aon United        | COVID-19 Vaccine: Implications of Mandatory Employee Programs                             | Link to 1 <sup>st</sup> Bulletin Link to 2 <sup>nd</sup> Bulletin |
|-------------------|---|---|
| Market View       | U.S. Month in Markets (December 2020)   | <u>Link</u>   |
| Market View       | AA View: 2020 - The record breaking year that was   | Request directly from Consultant                                  |
| Market View       | AA View: 2021 Outlook: A Vaccine Bridge Over Troubled Water?                              | <u>Link</u>   |
| Market View       | AA View: A Blue Wave After All, But It Won't Be Free Rein for Biden                       | <u>Link</u>   |
| Market View       | Webinar: Market Outlook - Investing in 2021: The Real Risk/Reward Challenge on January 21 | Registration Replay   |
| Market View       | Capital Market Assumptions (as of September 30, 2020)                                     | <u>Link</u>   |
| Market View       | Quarterly Investment Outlook - October 2020   | <u>Link</u>   |
| Market View       | Townsend Real Estate Update: COVID-19 and the Impact on Office Space                      | <u>Link</u>   |
| Plan Design       | Trust the Process Public Pension Investment Strategy                                      | <u>Link</u>   |
| Strategy Review   | Client Video on Opportunistic Credit Strategies (3 minute video - access code 'aon!')     | Link to video   |
| Strategy Review   | Video: Demand Increasing for ESG and Responsible Investment (access code 'aon!')          | Link to video   |
| Talent Management | Reimagining Total Rewards for a Changing World  | <u>Link</u>   |

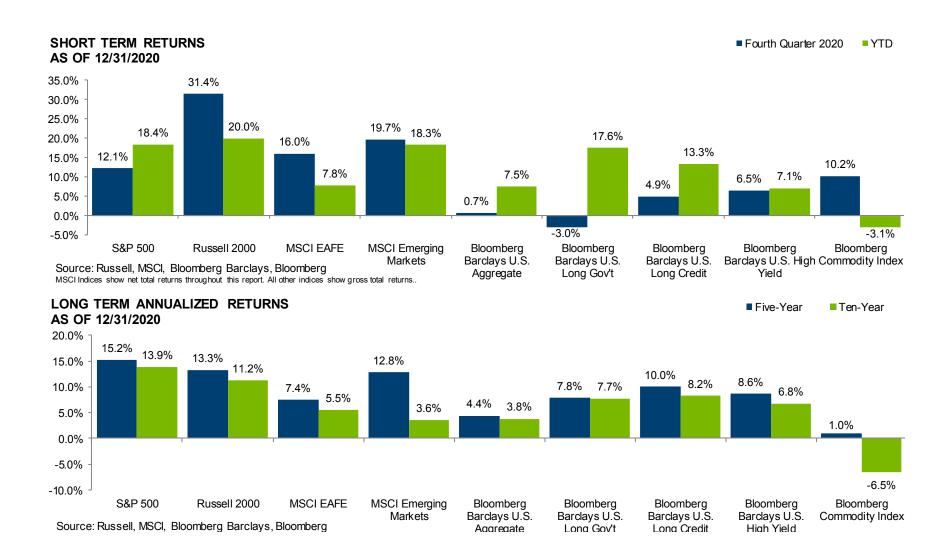
Opinions, estimates, forecasts, and statements on financial market trends that are based on current market conditions constitute our judgment and are subject to change without notice. The views and strategies described may not be suitable for all investors. References to specific securities, asset classes, and financial markets are for illustrative purposes only and are not intended to be, and should not be interpreted as, recommendations.

# **Thought Leadership Hub**

Find Additional Research at https://insights-north-america.aon.com



# **Market Highlights**



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# **Market Highlights**

Returns of the Major Capital Markets

Period Ending 12/31/2020

|   | Fourth Quarter | 1-Year  | 3-Year <sup>1</sup> | 5-Year <sup>1</sup> | 10-Year <sup>1</sup> |
|---|----------------|---------|---------------------|---------------------|----------------------|
| Equity  |                |         |                     |                     |                      |
| MSCI All Country World IMI                            | 15.70%         | 16.25%  | 9.72%               | 12.15%              | 9.09%                |
| MSCI All Country World                                | 14.68%         | 16.25%  | 10.06%              | 12.26%              | 9.13%                |
| Dow Jones U.S. Total Stock Market                     | 14.76%         | 20.79%  | 14.41%              | 15.36%              | 13.74%               |
| Russell 3000  | 14.68%         | 20.89%  | 14.49%              | 15.43%              | 13.79%               |
| S&P 500   | 12.15%         | 18.40%  | 14.18%              | 15.22%              | 13.88%               |
| Russell 2000  | 31.37%         | 19.96%  | 10.25%              | 13.26%              | 11.20%               |
| MSCI All Country World ex-U.S. IMI                    | 17.22%         | 11.12%  | 4.83%               | 8.98%               | 5.06%                |
| MSCI All Country World ex-U.S.                        | 17.01%         | 10.65%  | 4.88%               | 8.93%               | 4.92%                |
| MSCIEAFE  | 16.05%         | 7.82%   | 4.28%               | 7.45%               | 5.51%                |
| MSCI EAFE (Local Currency)                            | 11.35%         | 0.84%   | 2.98%               | 5.80%               | 6.82%                |
| MSCI Emerging Markets                                 | 19.70%         | 18.31%  | 6.17%               | 12.81%              | 3.63%                |
| Fixed Income  |                |         |                     |                     |                      |
| Bloomberg Barclays Global Aggregate                   | 3.28%          | 9.20%   | 4.85%               | 4.79%               | 2.83%                |
| Bloomberg Barclays U.S. Aggregate                     | 0.67%          | 7.51%   | 5.34%               | 4.44%               | 3.84%                |
| Bloomberg Barclays U.S. Long Gov't                    | -2.95%         | 17.55%  | 9.83%               | 7.84%               | 7.74%                |
| Bloomberg Barclays U.S. Long Credit                   | 4.92%          | 13.32%  | 9.23%               | 10.02%              | 8.24%                |
| Bloomberg Barclays U.S. Long Gov't/Credit             | 1.68%          | 16.12%  | 9.80%               | 9.35%               | 8.16%                |
| Bloomberg Barclays U.S. TIPS                          | 1.62%          | 10.99%  | 5.92%               | 5.08%               | 3.81%                |
| Bloomberg Barclays U.S. High Yield                    | 6.45%          | 7.11%   | 6.24%               | 8.59%               | 6.80%                |
| Bloomberg Barclays Global Treasury ex U.S.            | 4.66%          | 9.54%   | 4.48%               | 4.90%               | 1.81%                |
| JP Morgan EMBI Global (Emerging Markets)              | 5.49%          | 5.88%   | 4.94%               | 6.84%               | 5.97%                |
| Commodities   |                |         |                     |                     |                      |
| Bloomberg Commodity Index                             | 10.19%         | -3.12%  | -2.53%              | 1.03%               | -6.50%               |
| Goldman Sachs Commodity Index                         | 14.49%         | -23.72% | -8.21%              | -1.85%              | -8.76%               |
| Hedge Funds   |                |         |                     |                     |                      |
| HFRI Fund-Weighted Composite <sup>2</sup>             | 10.68%         | 11.61%  | 5.50%               | 6.10%               | 4.18%                |
| HFRI Fund of Funds <sup>2</sup>                       | 7.52%          | 10.27%  | 4.68%               | 4.44%               | 3.27%                |
| Real Estate   |                |         |                     |                     |                      |
| NAREIT U.S. Equity REITS                              | 11.57%         | -8.00%  | 3.40%               | 4.77%               | 8.31%                |
| FTSE Global Core Infrastructure Index                 | 7.23%          | -0.66%  | 7.52%               | 10.43%              | 9.25%                |
| Private Equity  |                |         |                     |                     |                      |
| Burgiss Private iQ Global Private Equity <sup>3</sup> |                | 6.20%   | 11.83%              | 10.92%              | 12.93%               |

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

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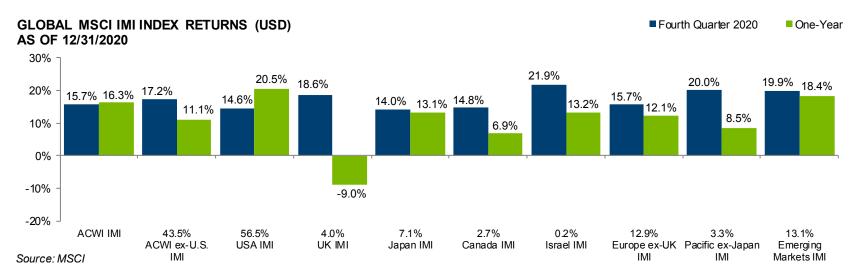


<sup>&</sup>lt;sup>1</sup> Periods are annualized.

 $<sup>^{2}</sup>$  Latest 5 months of HFR data are estimated by HFR and may change in the future.

<sup>&</sup>lt;sup>3</sup> Burgiss Private iQ Global Private Equity data is as at June 30, 2020

# **Global Equity Markets**



- Global equity markets continued to rise for the third consecutive quarter, ending the calendar year above their prepandemic levels. Supportive monetary and fiscal policy, dwindling uncertainties regarding the U.S. elections, and the news of vaccines receiving approval outweighed the continued surge of COVID-19 cases globally. The MSCI AC World's Investable Market Index returned 15.7% for the quarter.
- Non-U.S. equities, with strong performance from emerging markets, outperformed U.S. equities for the quarter. Emerging Markets (EM) IMI returned 19.9% over the fourth quarter, supported by strong returns from the index-heavyweights Information Technology and Financials sectors. In USD terms, Korean and Brazilian equities were the best performers among the EM countries while Chinese equities returned the least.

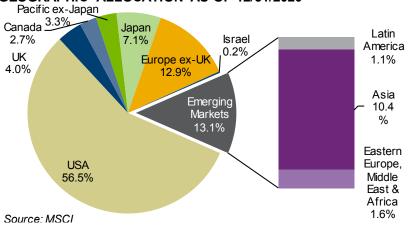


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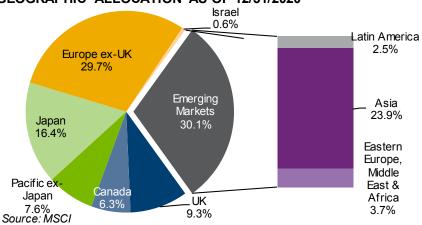


# **Global Equity Markets**





# MSCI ALL COUNTRY WORLD EX-U.S. IMI INDEX GEOGRAPHIC ALLOCATION AS OF 12/31/2020



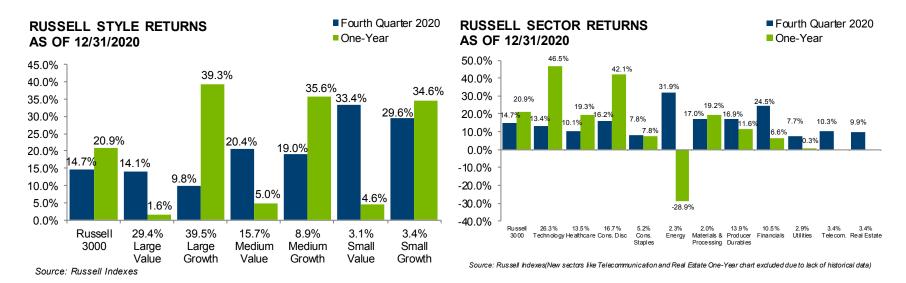
The two exhibits on this slide illustrate the percentage that each country/region represents of the global and international equity markets as measured by the MSCI All Country World IMI Index and the MSCI All Country World ex-U.S. IMI Index, respectively.

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# **U.S. Equity Markets**



- U.S. equities delivered double digit returns in Q4 2020. Over the quarter, new fiscal stimulus packages were approved as U.S. lawmakers passed a \$900bn coronavirus relief bill while Democrat Joe Biden won the U.S. Presidential election and is set to become the 46th President. Economic data rebounded sharply as U.S. GDP grew at an annualized rate of 33.1% in the third quarter, compared to a 31.4% contraction during the second quarter. The Russell 3000 Index rose 14.7% during the fourth quarter and 20.9% over the one-year period.
- The CBOE Volatility Index (VIX), Wall Street's "fear gauge", declined from 26.4 to 22.8 over the quarter, having averaged 28.9 over the previous 12 months.
- All sectors generated positive returns over the quarter. Energy sector was the best performing sector with a return of 31.9% while Utilities sector returned the least at 7.7%.
- Small cap stocks outperformed both large and medium cap stocks over the quarter, while Value stocks outperformed their Growth counterparts in Q4 2020.

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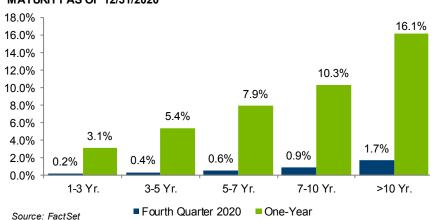
# **U.S. Fixed Income Markets**

# BLOOMBERG BARCLAYS AGGREGATE RETURNS BY SECTOR AS OF 12/31/2020



- The Bloomberg Barclays U.S. Aggregate Bond Index rose by 0.7% over the quarter.
- Corporate bonds were the best performer with a return of 3.0%, followed by CMBS bonds which rose by 1.1%.
- Bonds with 10+ year maturities performed the best with a return of 1.7%.
- High yield bonds rose by 6.5%. Within investment grade bonds, Baa bonds outperformed with a return of 4.0%.

# BLOOMBERG BARCLAYS AGGREGATE RETURNS BY MATURITY AS OF 12/31/2020



# BLOOMBERG BARCLAYS AGGREGATE RETURNS BY QUALITY AND HIGH YIELD RETURNS AS OF 12/31/2020

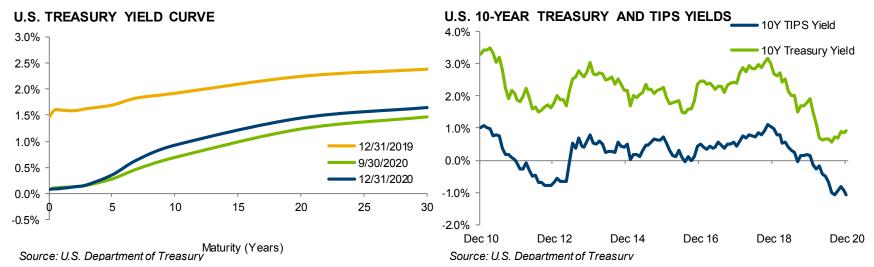




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# **U.S. Fixed Income Markets**



- The U.S. nominal yield curve steepened over the quarter with yields at the short end of the curve remaining virtually unchanged while yields at the longer end rose. The U.S. Federal Reserve (Fed) kept its interest rate unchanged and will continue to buy \$120bn of debt per month until "substantial further progress has been made" towards its employment and inflation targets. The Fed also upgraded its September projections to an economic growth rate of -2.4% in 2020 (up from -3.7%) followed by a rebound of 4.2% in 2021 (up from 4.0%).
- The 10-year U.S. treasury yield ended the quarter 24bps higher at 0.93% and the 30-year yield increased by 19bps to 1.65%.
- The 10-year TIPS yield fell by 12bps over the quarter to -1.06%. Breakeven inflation rose across the curve during the quarter as the Fed's "average inflation targeting" approach, under which the Fed would allow inflation to rise above their 2% target for a period of time, and the new fiscal stimulus package pushed inflation expectations higher.



# **European Fixed Income Markets**

#### **EUROZONE PERIPHERAL BOND SPREADS** (10-YEAR SPREADS OVER GERMAN BUNDS) 16% Spain Italy 14% Portugal Greece 12% Ireland 10% 8% 6% 4% 2% 2014 2015 2016 2017 2018 2019 2020 Source: FactSet

- European government bond spreads over 10-year German bunds narrowed across the Euro Area. The EU passed the bloc's €1.8tn budget and recovery package after Hungary and Poland reversed their vetoes. Originally both countries had objected to rules linking stimulus disbursement to the commitment of European values. However, they backed down after EU officials stated that refusal to accept the package would "backfire". The European Central Bank increased the size of its Pandemic Emergency Purchase Programme from €1.35tn to €1.85tn and extended the program until March 2022.
- German government bund yields fell by 5bps to -0.58% over the quarter. The Eurozone economy rebounded by growing 12.7% in Q3 2020 on a quarter-on-quarter basis, the fastest rate on record. The German and French economies grew by 8.2% and 18.2% over this period while the Italian and Spanish economies grew by 16.1% and 16.7% respectively.
- Greek government bond yields fell the most at 38bps to 0.64%, whereas Italian and Portuguese government bond yields fell by 33bps and 23bps to 0.54% and 0.03% respectively.

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# **Credit Spreads**

| Spread (bps)            | 12/31/2020 | 09/30/2020 | 12/31/2019 | Quarterly Change (bps) | One-Year Change<br>(bps) |
|-------------------------|------------|------------|------------|------------------------|--------------------------|
| U.S. Aggregate          | 42         | 60         | 39         | -18                    | 3                        |
| Long Gov't              | 1          | 0          | 0          | 1                      | 1                        |
| Long Credit             | 141        | 188        | 139        | -47                    | 2                        |
| Long Govt/Credit        | 85         | 111        | 79         | -26                    | 6                        |
| MBS                     | 39         | 61         | 39         | -22                    | 0                        |
| CMBS                    | 81         | 106        | 72         | -25                    | 9                        |
| ABS                     | 33         | 41         | 44         | -8                     | -11                      |
| Corporate               | 96         | 136        | 93         | -40                    | 3                        |
| High Yield              | 360        | 517        | 336        | -157                   | 24                       |
| Global Emerging Markets | 268        | 334        | 287        | -66                    | -19                      |

Source: FactSet, Bloomberg Barclays

- Credit markets had another solid quarter as spreads continued to fall. Spreads tightened again during the quarter, especially in the riskier credit areas, as the positive vaccine news improved hopes of a strong economic recovery. Overall, Credit spreads over U.S. treasuries narrowed over the quarter.
- Riskier areas of credit, such as U.S. high yield bonds and emerging market debt, performed well. High Yield credit spreads narrowed significantly in Q4 2020, decreasing by 157bps and Global Emerging Markets narrowed by 66bps over the quarter.
- However, there are still reasons to be concerned as the global high yield default rate for the twelve months to November was 7%, over twice as high as the pre-pandemic levels, and the total number of investment grade bond downgrades for 2020 have outnumbered upgrades by 3 to 1 (upgrades outnumbered downgrades by 3 to 2 in 2019).

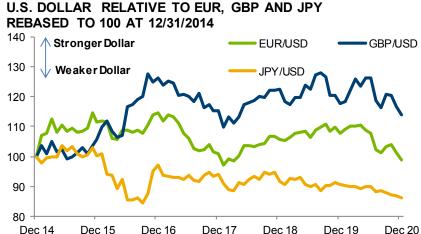


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# Currency

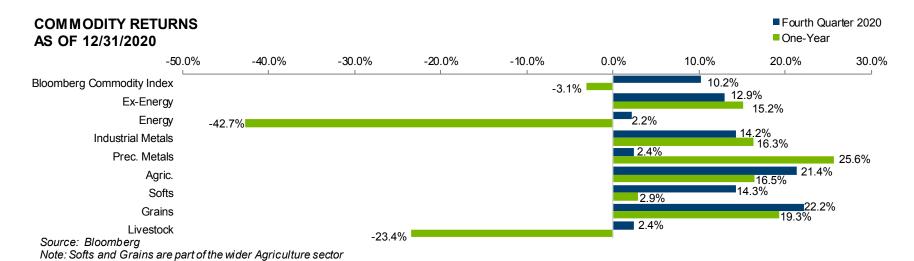




- The U.S. dollar weakened against major currencies over the quarter as renewed risk appetite from investors and consistent ultra-low interest rates dragged on the Dollar. The U.S. dollar fell 4.9% on a trade-weighted basis. The U.S. Federal Reserve is not expected to implement any rate hikes until the end of 2023.
- The Sterling rose by 1.8% on a trade-weighted basis over the quarter in which the UK and the European Union (EU) reached a historic Brexit trade deal after years of negotiations. The Bank of England unanimously decided to increase its quantitative easing amount to £895bn from £745bn over the course of 2021. Sterling appreciated by 5.4% against the U.S. dollar.
- The U.S. dollar depreciated by 4.2% and 2.2% against the euro and yen respectively.



### **Commodities**



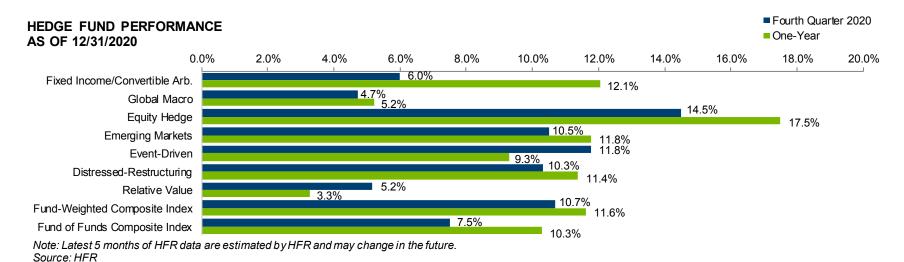
- Commodities fell in tandem with equity markets in October before rebounding sharply in November and maintaining the momentum in December. Overall, the Bloomberg Commodity Index returned 10.2% for the quarter.
- The Energy sector rose by 2.2% over the quarter. Oil prices rallied in November and December due to optimism over vaccines approval and starting of vaccination process to fight Covid-19. Elsewhere, OPEC and Russia agreed to increase oil production by 500,000 b/d from January 2021, thus, bringing down the production cut from existing 7.7 mb/d to 7.2 mb/d. OPEC cut its forecast for 2021 growth in oil demand by 350,000 bpd to 5.9 mb/d citing uncertainty over the impact of Covid-19 and labor market.
- The price of Brent crude oil rose by 26.5% to \$52/bbl. while WTI crude oil spot prices rose by 20.6% to \$49/bbl. On a one-year basis, the Energy sector is down by 42.7%.
- Agriculture was the best performing sector, rising by 21.4% in Q4 2020.

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# **Hedge Fund Markets Overview**



- Hedge fund performance was positive across all strategies in the fourth quarter.
- Over the quarter, Equity Hedge and Event-Driven strategies were the best performers, returning 14.5% and 11.8% respectively.
- HFRI Fund-Weighted Composite Index and the HFRI Fund of Funds Composite Index produced returns of 10.7% and 7.5% respectively.

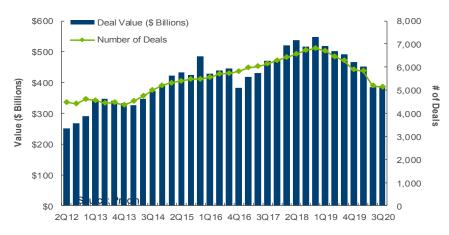


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# Private Equity Market Overview – Q3 2020 Slide 1 of 2

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



- Fundraising: In 3Q 2020, \$157.8 billion was raised by 361 funds, which was a decrease of 5.1% on a capital basis and 5.4% by number of funds over the prior quarter. Dry powder stood at nearly \$2.0 trillion at the end of the quarter, an increase compared to year-end 2019's total of \$1.9 trillion.1
- Buyout: Global private equity-backed buyout deals totaled \$111.0 billion in 3Q 2020, which was up 70.7% on a capital basis and up 39.9% by number of deals from 2Q 2020.¹ Through 3Q 2020, the average purchase price multiple for all U.S. LBOs was 11.0x EBITDA, a decrease of 0.5x over 2019's average but higher than the five-year average (10.6x).² Large cap purchase price multiples stood at 10.8x through 3Q 2020, down compared to 2019's level of 11.4x.² In Europe, the average purchase price multiple across European transactions of greater than €500M averaged 12.1x EBITDA on an LTM basis as of 3Q 2020, up from the 11.1x multiple seen at the end of 4Q 2019. Purchase prices for transactions of greater than €1.0 billion increased to 12.4x on an LTM basis, a jump from the 11.2x seen at the end of 2019. Globally, exit value totaled \$188.1 billion from 481 deals during the third quarter, up meaningfully from the \$41.1 billion in exits from 323 deals during 2Q 2020.¹
- Venture: During the third quarter, 1,461 venture-backed transactions totaling \$36.5 billion were completed in the U.S., which was an increase on a capital basis over the prior quarter's total of \$28.1 billion across 1,440 deals. This was 53.2% higher than the five-year quarterly average of \$23.8 billion and marked the second strongest quarter on record.<sup>3</sup> Total U.S. venture-backed exit activity totaled approximately \$103.9 billion across 246 completed transactions in 3Q 2020, up substantially on a capital basis from the \$26.5 billion across 203 exits in 2Q 2020. Through 3Q 2020, U.S. exit activity represented only 56.4% of 2019's total.<sup>4</sup>
- **Mezzanine:** Nine funds closed on \$3.3 billion during the third quarter. This was up from the prior quarter's total of \$2.6 billion raised by six funds. Through 3Q, mezzanine funds have raised 102.3% of 2019's total of \$8.7 billion. Estimated dry powder was \$48.0 billion at the end of 3Q 2020, down slightly from the \$48.6 billion seen at the end of 2Q 2020.

Sources: <sup>1</sup> Preqin <sup>2</sup> Standard & Poor's <sup>3</sup> PwC/CB Insights MoneyTree Report <sup>4</sup> PitchBook/NVCA Venture Monitor <sup>5</sup> Fitch Ratings <sup>6</sup> Thomson Reuters <sup>7</sup> 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.

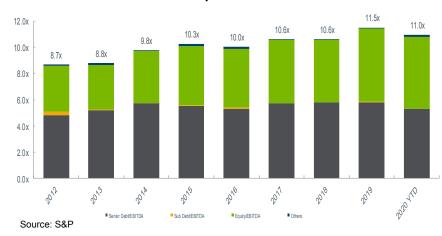
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# Private Equity Market Overview – Q3 2020 Slide 2 of 2

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



- **Distressed Debt:** The TTM U.S. high-yield default rate was 5.6% at September 2020 and was expected to decrease slightly during the coming months.<sup>5</sup> During the quarter, \$1.8 billion was raised by 10 funds, a significant drop from the \$22.6 billion raised by 21 funds in 2Q 2020. Distressed funds have raised 59.6% of 2019's total through 3Q 2020.¹ Dry powder was estimated at \$136.3 billion at the end of 3Q 2020, which was up from the \$127.3 billion seen at the end of 2Q 2020. This remained above the five-year annual average level of \$108.8 billion.¹
- Secondaries: Nine funds raised \$4.4 billion during the quarter, down significantly from the \$23.4 billion raised by 13 funds in 2Q 2020. Secondary funds have raised 194.5% of 2019's total through 3Q 2020 and are expected to raise significant capital prior to year-end.<sup>1</sup> At the end of 3Q 2020, there were an estimated 84 secondary and direct secondary funds in market targeting roughly \$67.8 billion.<sup>1</sup> The average discount rate for all private equity sectors finished the quarter at 12.7%, a strong rebound from the 20.8% discount at the end of 2Q 2020.<sup>6</sup>
- Infrastructure: \$23.4 billion of capital was raised by 22 funds in 3Q 2020 compared to \$15.1 billion of capital raised by 29 partnerships in 2Q 2020. At the end of the quarter, dry powder stood at an estimated \$216.0 billion, down slightly from 2Q 2020's total of \$219.7 billion. Infrastructure managers completed 518 deals with an estimated aggregate deal value of \$90.5 billion in 3Q 2020 compared to 426 deals totaling \$76.0 billion a guarter ago.<sup>1</sup>
- Natural Resources: During 3Q 2020, three funds closed on \$2.1 billion compared to two funds totaling \$0.3 billion in 2Q 2020. Energy and utilities industry managers completed approximately 112 deals totaling an estimated \$13.4 billion through 3Q 2020, which represented 79.0% of energy and utilities deal value during all of 2019.<sup>1</sup>

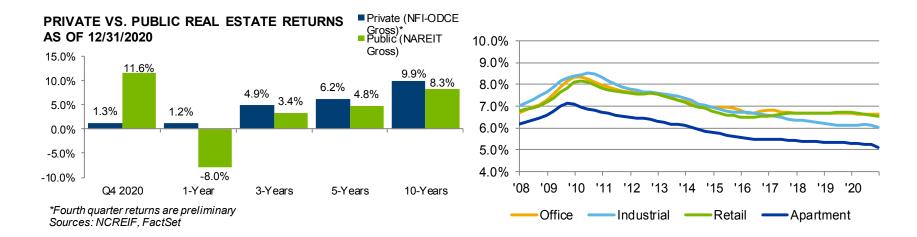
Sources: <sup>1</sup> Preqin <sup>2</sup> Standard & Poor's <sup>3</sup> PwC/CB Insights MoneyTree Report <sup>4</sup> PitchBook/NVCA Venture Monitor <sup>5</sup> Fitch Ratings <sup>6</sup> Thomson Reuters <sup>7</sup> UBS Notes: FY=Fiscal year ended 12/31; YTD=Year to date; LTM=Last 12 months (aka trailing 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 1.3%\* over the fourth quarter, equating to a 1.2% total gross return year-over-year, including a 3.9% income return. Shelter in place orders and social distancing practices have most severely impacted the retail and hotel property sectors. Property valuations have begun to price in the loss of cash flow as a result of COVID-19. Transaction volume contracted -32% YoY in 2020, and price discovery continues to be limited.
- Global property markets, as measured by the FTSE EPRA/NAREIT Developed Real Estate Index, returned 13.5% (USD) in aggregate during the fourth quarter but experienced a cumulative decline of -8.2% over the trailing 1-year period. REIT market performance was driven by Asia Pacific (11.2% USD), North America (13.2% USD) and Europe (22.6% USD). The U.S. REIT markets (FTSE NAREIT Equity REITs Index) returned 11.6% in the fourth quarter. The U.S. 10-year treasury bond yields increased 24 bps to 0.93% during the quarter.
- Continued uncertainty surrounding the impacts of the coronavirus has continued to influence private real estate pricing. The COVID-19 pandemic shut down economies and disrupted daily routines. While the pandemic has solidified the mission critical status of technology and software within the global economy, it has drawn into question the necessity and role of a number of commercial real estate property sectors. Prior crises have generated similar levels of uncertainty across property sectors in the past, and history has shown that such moments typically provide attractive entry points for medium to long-term investors.
- We are proactively evolving our investment strategy. In the post-coronavirus world, supply chains may move back to North America which will require corresponding real estate infrastructure. Demand for last mile logistics, already a key investment theme, will accelerate. Live and work preference changes will create opportunities. Interest rates are likely to remain lower for even longer, making real estate a very compelling alternative to fixed income investments.
- Blind pool funds offer a potential to have capital available when the new opportunity set presents itself. Those strategies need careful review in light of the changing market dynamics. Strategies that worked previously in a growth-oriented market may not be appropriate for what may be more opportunistic style investing. Regions, countries and property types all need to be reevaluated.

Aon

Proprietary & Confidential



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



# Nebraska Investment Council



# Highlights

| Total Assets by Asset Pool                                |                  |
|---|------------------|
| Total Defined Benefit Plan                                | \$14,964,060,646 |
| Defined Cont. & Deferred Comp.                            | \$1,293,628,232  |
| Total Cash Balance Benefit                                | \$2,644,815,621  |
| OSERS   | \$1,404,609,649  |
| Hartford Options  | \$33,426,518     |
| College Savings Plan                                      | \$5,730,646,969  |
| State Farm CSP  | \$684,361,789    |
| Enable Savings Plan                                       | \$17,819,551     |
| Health Care Endowments                                    | \$483,920,298    |
| 50/50 Endowments  | \$1,068,376,446  |
| Excess Liability Fund                                     | \$74,263,321     |
| In-House Trusts   | \$9,845,708      |
| Internal Short–Term Liquidity Pool                        | \$1,274,402,106  |
| Operating Investment Pool (Internal Government/Corporate) | \$4,255,145,786  |
| Time Deposit Open Account                                 | \$39,269,801     |
| Total   | \$33,978,592,441 |

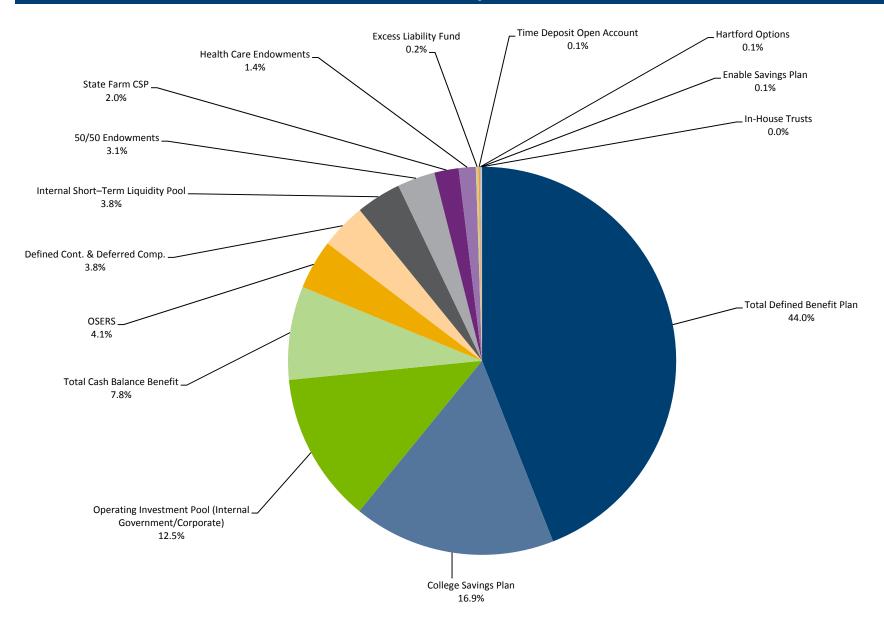
Performance(%)

|   | 1       | 1    | 3     | 5     | 10    |
|---|---------|------|-------|-------|-------|
|   | Quarter | Year | Years | Years | Years |
| Major Capital Markets                   |         |      |       |       |       |
| Dow Jones U.S. Total Stock Market Index | 14.8    | 20.8 | 14.4  | 15.4  | 13.7  |
| MSCI AC World ex USA Index (Net)        | 17.0    | 10.7 | 4.9   | 8.9   | 4.9   |
| Blmbg. Barc. Universal                  | 1.3     | 7.6  | 5.5   | 4.9   | 4.2   |
| CPI                                     | 0.1     | 1.4  | 1.9   | 1.9   | 1.7   |



#### As of December 31, 2020

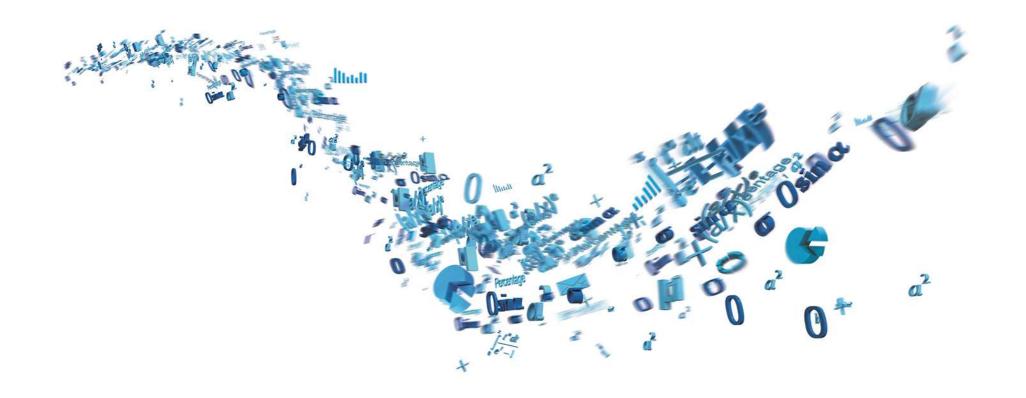
# **Total Assets by Asset Pool**





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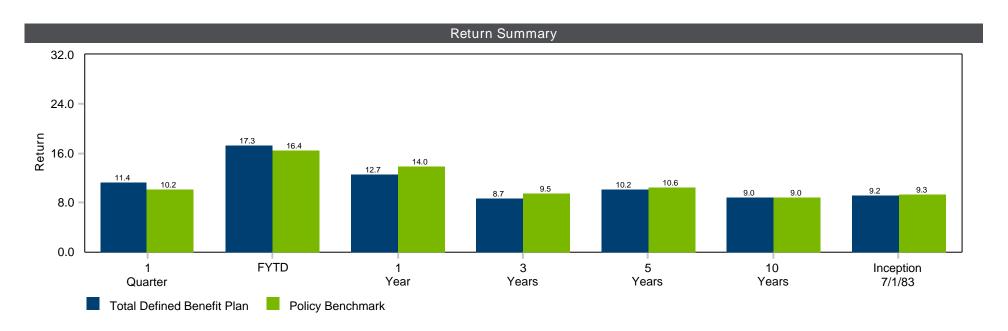


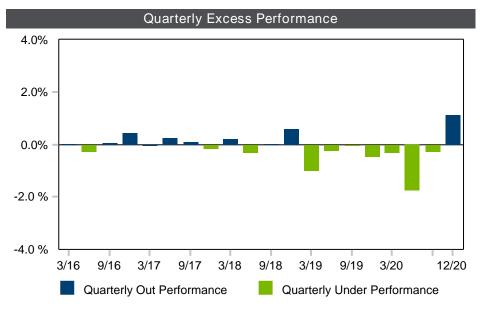


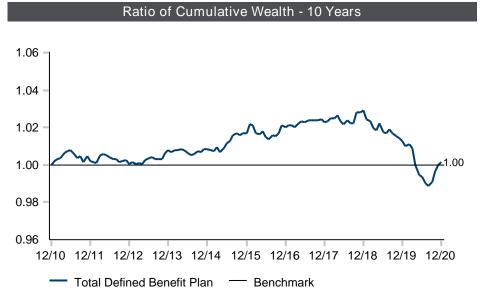
# **Total Defined Benefit Plan**



### **Total Plan Performance Summary**





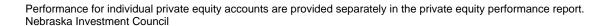




### As of December 31, 2020

# Asset Allocation & Performance

|                                     | Allo                  | cation |           | Performance(%) |           |            |            |             |                    |                   |  |
|-------------------------------------|-----------------------|--------|-----------|----------------|-----------|------------|------------|-------------|--------------------|-------------------|--|
|                                     | Market<br>Value<br>\$ | %      | Policy(%) | 1<br>Quarter   | 1<br>Year | 3<br>Years | 5<br>Years | 10<br>Years | Since<br>Inception | Inception<br>Date |  |
| Total Defined Benefit Plan          | \$14,964,060,646      | 100.0  | 100.0     | 11.4 (22)      | 12.7 (30) | 8.7 (24)   | 10.2 (18)  | 9.0 (11)    | 9.2 (-)            | 07/01/1983        |  |
| Policy Benchmark                    |                       |        |           | 10.2 (47)      | 14.0 (14) | 9.5 (10)   | 10.6 (9)   | 9.0 (11)    | 9.3 (-)            |                   |  |
| Total U.S. Equity                   | \$4,383,520,458       | 29.3   | 27.5      | 15.0 (72)      | 20.2 (36) | 14.0 (37)  | 15.1 (30)  | 13.6 (28)   | 10.2 (-)           | 07/01/1983        |  |
| Dow Jones U.S. Total Stock Market   |                       |        |           | 14.8 (73)      | 20.8 (30) | 14.4 (27)  | 15.4 (24)  | 13.7 (26)   | 11.0 (-)           |                   |  |
| DFA                                 | \$398,158,323         | 2.7    |           | 29.2 (37)      | 11.5 (70) | 6.0 (73)   | 10.6 (71)  | 10.5 (71)   | 11.5 (26)          | 10/01/1996        |  |
| Russell 2000 Index*                 |                       |        |           | 31.4 (20)      | 20.0 (32) | 10.2 (37)  | 13.3 (39)  | 10.9 (52)   | 10.0 (77)          |                   |  |
| BlackRock Russell 1000 Index        | \$3,985,362,135       | 26.6   |           | 13.8 (26)      | 21.1 (22) | 14.9 (20)  | 15.6 (14)  | 14.0 (17)   | 9.6 (30)           | 10/01/2007        |  |
| Russell 1000 Index                  |                       |        |           | 13.7 (26)      | 21.0 (23) | 14.8 (20)  | 15.6 (14)  | 14.0 (17)   | 9.5 (31)           |                   |  |
| Total Non-U.S. Equity               | \$1,730,925,615       | 11.6   | 11.5      | 17.2 (57)      | 11.3 (65) | 5.1 (76)   | 9.4 (68)   | 5.6 (76)    | 6.0 (-)            | 10/01/1991        |  |
| MSCI All Country World ex-U.S. IMI* |                       |        |           | 17.2 (57)      | 11.1 (66) | 4.8 (83)   | 9.0 (77)   | 5.1 (95)    | 6.2 (-)            |                   |  |
| BlackRock ACWI ex-U.S. IMI Index    | \$1,730,925,615       | 11.6   |           | 17.2 (50)      | 11.3 (57) | 5.1 (51)   | -          | -           | 5.9 (49)           | 12/01/2017        |  |
| MSCI AC World ex USA IMI (Net)      |                       |        |           | 17.2 (50)      | 11.1 (57) | 4.8 (53)   | -          | -           | 5.5 (51)           |                   |  |
| Total Global Equity                 | \$3,102,863,901       | 20.7   | 19.0      | 20.0 (19)      | 14.9 (54) | 9.2 (51)   | 11.9 (46)  | 9.7 (47)    | 8.4 (34)           | 09/01/2005        |  |
| MSCI All Country World IMI*         |                       |        |           | 15.7 (38)      | 16.3 (50) | 9.7 (49)   | 12.1 (44)  | 9.1 (60)    | 7.5 (48)           |                   |  |
| MFS                                 | \$996,842,433         | 6.7    |           | 14.8 (46)      | 14.2 (56) | 10.8 (42)  | 12.7 (38)  | 11.3 (29)   | 9.8 (15)           | 10/01/2005        |  |
| MSCI All Country World IMI*         |                       |        |           | 15.7 (38)      | 16.3 (50) | 9.7 (49)   | 12.1 (44)  | 9.1 (59)    | 7.3 (48)           |                   |  |
| Arrowstreet                         | \$974,983,331         | 6.5    |           | 19.3 (21)      | 21.8 (31) | 11.5 (39)  | -          | -           | 15.3 (27)          | 09/01/2016        |  |
| MSCI AC World IMI (Net)             |                       |        |           | 15.7 (38)      | 16.3 (50) | 9.7 (49)   | -          | -           | 12.6 (47)          |                   |  |
| Wellington Equity                   | \$339,769,896         | 2.3    |           | 30.1 (7)       | 14.1 (53) | 6.5 (68)   | -          | -           | 11.4 (65)          | 09/01/2016        |  |
| MSCI AC World Small Cap (Net)       |                       |        |           | 23.7 (44)      | 16.3 (48) | 7.5 (66)   | -          | -           | 11.2 (65)          |                   |  |
| Dodge & Cox                         | \$791,268,241         | 5.3    |           | 24.1 (15)      | 6.0 (67)  | 4.7 (70)   | -          | -           | 6.8 (67)           | 07/01/2017        |  |
| MSCI AC World IMI (Net)             |                       |        |           | 15.7 (44)      | 16.3 (35) | 9.7 (41)   | -          | -           | 11.6 (39)          |                   |  |





|   | Allo                  | cation |           |              |           | I          | Performanc | e(%)        |                    |                   |
|---|-----------------------|--------|-----------|--------------|-----------|------------|------------|-------------|--------------------|-------------------|
|   | Market<br>Value<br>\$ | %      | Policy(%) | 1<br>Quarter | 1<br>Year | 3<br>Years | 5<br>Years | 10<br>Years | Since<br>Inception | Inception<br>Date |
| Total Fixed Income                          | \$4,058,530,282       | 27.1   | 30.0      | 2.3 (34)     | 7.1 (82)  | 5.2 (84)   | 5.1 (74)   | 4.3 (81)    | 7.8 (-)            | 07/01/1983        |
| Blmbg. Barc. Universal Bond Index*          |                       |        |           | 1.3 (65)     | 7.6 (76)  | 5.5 (69)   | 4.9 (81)   | 4.2 (83)    | 7.7 (-)            |                   |
| BlackRock Core Plus Universal               | \$574,905,039         | 3.8    |           | 1.3 (75)     | 8.3 (58)  | 5.7 (61)   | 5.0 (62)   | 4.6 (49)    | 5.8 (32)           | 04/01/1998        |
| Blmbg. Barc. Universal Bond Index*          |                       |        |           | 1.3 (76)     | 7.6 (78)  | 5.5 (73)   | 4.9 (70)   | 4.2 (76)    | 5.4 (57)           |                   |
| PIMCO                                       | \$744,585,625         | 5.0    |           | 1.8 (60)     | 9.4 (29)  | 6.4 (20)   | 5.9 (27)   | 4.5 (55)    | 6.0 (22)           | 04/01/1998        |
| Blmbg. Barc. Univeral Bond Index*           |                       |        |           | 1.3 (76)     | 7.6 (78)  | 5.5 (73)   | 4.9 (70)   | 4.2 (76)    | 5.4 (57)           |                   |
| BlackRock Aggregate Bond Index              | \$627,383,030         | 4.2    |           | 0.7 (78)     | 7.7 (63)  | 5.4 (65)   | 4.5 (72)   | 3.9 (67)    | 4.6 (60)           | 02/01/2006        |
| Blmbg. Barc. Aggregate Bond Index           |                       |        |           | 0.7 (80)     | 7.5 (70)  | 5.3 (70)   | 4.4 (76)   | 3.8 (74)    | 4.5 (71)           |                   |
| Loomis Sayles                               | \$254,148,212         | 1.7    |           | 5.0 (6)      | 14.1 (4)  | 7.6 (3)    | 8.3 (1)    | 7.3 (1)     | 7.5 (1)            | 07/01/2006        |
| Blmbg. Barc. Universal Bond Index*          |                       |        |           | 1.3 (76)     | 7.6 (78)  | 5.5 (73)   | 4.9 (70)   | 4.2 (76)    | 5.3 (54)           |                   |
| Wellington Global                           | \$499,352,116         | 3.3    |           | 3.2 (78)     | 8.0 (47)  | 4.5 (69)   | 4.5 (85)   | -           | 2.5 (80)           | 09/01/2014        |
| Blmbg. Barc. Global Aggregate               |                       |        |           | 3.3 (77)     | 9.2 (38)  | 4.9 (61)   | 4.8 (75)   | -           | 2.6 (74)           |                   |
| Loomis Sayles Bank Loans                    | \$338,152,208         | 2.3    |           | 2.8 (87)     | 1.1 (74)  | 2.7 (88)   | 3.7 (93)   | -           | 2.9 (89)           | 06/01/2014        |
| S&P/LSTA Leveraged Loan Index               |                       |        |           | 3.8 (26)     | 3.1 (16)  | 4.0 (14)   | 5.2 (6)    | -           | 3.8 (13)           |                   |
| Franklin Templeton                          | \$342,893,495         | 2.3    |           | 3.4 (43)     | -1.1 (95) | 1.4 (97)   | 3.4 (95)   | -           | 2.6 (94)           | 07/01/2014        |
| Credit Suisse Leveraged Loan (Split BB)     | , , ,                 |        |           | 3.7 (28)     | 1.8 (58)  | 3.5 (42)   | 4.4 (55)   | -           | 3.6 (28)           |                   |
| Neuberger Berman Core Plus                  | \$645,160,636         | 4.3    |           | 2.6 (28)     | 9.5 (26)  | 6.4 (20)   | 5.8 (31)   | -           | 5.1 (26)           | 07/01/2015        |
| Blmbg. Barc. Universal Bond Index           | , , ,                 |        |           | 1.3 (76)     | 7.6 (78)  | 5.5 (73)   | 4.9 (70)   | -           | 4.4 (65)           |                   |
| Opportunistic Fixed Income - PIMCO Bravo II | \$23,999,169          | 0.2    |           |              | , ,       |            | , ,        |             | , ,                |                   |
| Opportunistic Fixed Income - Oaktree        | \$4,706,924           | 0.0    |           |              |           |            |            |             |                    |                   |
| Opportunistic Cash and Int Rec              | \$3,210,116           | 0.0    |           |              |           |            |            |             |                    |                   |
| Contributions and Withdrawals               | \$33,715              | 0.0    |           |              |           |            |            |             |                    |                   |
| Total Real Estate                           | \$823,877,077         | 5.5    | 7.0       | 0.5          | 0.2       | 3.7        | 5.8        | 8.8         | 6.3                | 12/01/2004        |
| Performance Benchmark                       | . , ,                 |        |           | 1.1          | 0.3       | 4.0        | 5.3        | 8.6         | 8.1                |                   |
| CB Richard Ellis Strategic                  | \$566,573             | 0.0    |           |              |           |            |            |             |                    |                   |
| Prudential PRISA I                          | \$164,782,442         | 1.1    |           |              |           |            |            |             |                    |                   |
| UBS Real Estate                             | \$125,524,415         | 0.8    |           |              |           |            |            |             |                    |                   |
| Rockwood Capital Real Estate Fund IX        | \$3,120,869           | 0.0    |           |              |           |            |            |             |                    |                   |
| Prudential PRISA II                         | \$75,483,290          | 0.5    |           |              |           |            |            |             |                    |                   |
| Five Arrows Realty                          | \$52,022              | 0.0    |           |              |           |            |            |             |                    |                   |
| RockPoint Fund III                          | \$966,381             | 0.0    |           |              |           |            |            |             |                    |                   |
| Landmark Real Estate VI                     | \$1,595,776           | 0.0    |           |              |           |            |            |             |                    |                   |
| Landmark Real Estate VII                    | \$11,881,207          | 0.1    |           |              |           |            |            |             |                    |                   |
| AG Realty Fund VIII                         | \$5,275,547           | 0.0    |           |              |           |            |            |             |                    |                   |
| UBS Trumbull Property Income                | \$115,057,382         | 0.8    |           |              |           |            |            |             |                    |                   |
| Almanac Realty Securities VII               | \$16,578,630          | 0.1    |           |              |           |            |            |             |                    |                   |

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



|   | Allo            | cation |             |         |      |       | Performano | ce(%) |           |            |
|---|-----------------|--------|-------------|---------|------|-------|------------|-------|-----------|------------|
|   | Market<br>Value | %      | Policy(%)   | 1       | 1    | 3     | 5          | 10    | Since     | Inception  |
|   | value<br>\$     | /0     | Fullcy (70) | Quarter | Year | Years | Years      | Years | Inception | Date       |
| Torchlight IV                           | \$2,663,707     | 0.0    |             |         |      |       |            |       |           |            |
| Torchlight V                            | \$9,430,347     | 0.1    |             |         |      |       |            |       |           |            |
| Rockwood Capital Real Estate Fund X     | \$24,180,491    | 0.2    |             |         |      |       |            |       |           |            |
| Landmark Real Estate VIII               | \$12,144,780    | 0.1    |             |         |      |       |            |       |           |            |
| Torchlight VI                           | \$34,044,235    | 0.2    |             |         |      |       |            |       |           |            |
| Almanac Realty Securities VIII          | \$6,482,044     | 0.0    |             |         |      |       |            |       |           |            |
| Clarion Lion Properties Fund            | \$194,284,157   | 1.3    |             |         |      |       |            |       |           |            |
| Rockwood Capital Real Estate Fund XI    | \$8,686,874     | 0.1    |             |         |      |       |            |       |           |            |
| Torchlight Debt Opportunity             | \$4,129,391     | 0.0    |             |         |      |       |            |       |           |            |
| Real Estate Cash                        | \$6,946,517     | 0.0    |             |         |      |       |            |       |           |            |
| Total Private Equity                    | \$849,837,949   | 5.7    | 5.0         | 11.6    | 13.6 | 14.3  | 14.1       | 13.0  | 5.8       | 09/01/2005 |
| Dow Jones U.S. Total Stock Market + 3%  |                 |        |             | 15.6    | 24.4 | 17.8  | 18.8       | 17.1  | 13.3      |            |
| Abbott Capital                          | \$6,360,367     | 0.0    |             |         |      |       |            |       |           |            |
| Pathway                                 | \$12,530,486    | 0.1    |             |         |      |       |            |       |           |            |
| Sun Capital                             | \$3,124,752     | 0.0    |             |         |      |       |            |       |           |            |
| Dover Street VIII                       | \$7,344,221     | 0.0    |             |         |      |       |            |       |           |            |
| CMEA Ventures VII                       | \$4,409,362     | 0.0    |             |         |      |       |            |       |           |            |
| New Mountain Partners III               | \$10,840,883    | 0.1    |             |         |      |       |            |       |           |            |
| New Mountain Partners IV                | \$23,378,972    | 0.2    |             |         |      |       |            |       |           |            |
| Citigroup Venture Capital International | \$2,725,005     | 0.0    |             |         |      |       |            |       |           |            |
| Wayzata Opportunities Fund II           | \$245,809       | 0.0    |             |         |      |       |            |       |           |            |
| Resolute Fund II                        | \$7,441,326     | 0.0    |             |         |      |       |            |       |           |            |
| Resolute Fund III                       | \$11,374,256    | 0.1    |             |         |      |       |            |       |           |            |
| BridgePoint Europe IV                   | \$3,946,533     | 0.0    |             |         |      |       |            |       |           |            |
| Quantum Energy Partners V               | \$4,870,363     | 0.0    |             |         |      |       |            |       |           |            |
| Quantum Energy Partners VI              | \$20,571,549    | 0.1    |             |         |      |       |            |       |           |            |
| CVC European Equity Partners VI         | \$15,802,569    | 0.1    |             |         |      |       |            |       |           |            |
| CVC European Equity Partners V          | \$923,193       | 0.0    |             |         |      |       |            |       |           |            |
| Fulcrum Growth Partners IV              | \$7,646,354     | 0.1    |             |         |      |       |            |       |           |            |
| Ares Corporate Opp Fund III             | \$978,122       | 0.0    |             |         |      |       |            |       |           |            |
| Ares Corporate Opp Fund IV              | \$9,449,361     | 0.1    |             |         |      |       |            |       |           |            |
| New Enterprise Associates 13            | \$6,825,211     | 0.0    |             |         |      |       |            |       |           |            |
| New Enterprise Associates 14            | \$19,639,512    | 0.1    |             |         |      |       |            |       |           |            |
| Lincolnshire Equity Partners IV         | \$5,488,711     | 0.0    |             |         |      |       |            |       |           |            |
| Longroad Capital Partners LP            | \$57,669        | 0.0    |             |         |      |       |            |       |           |            |
| Merit Mezzanine Fund V                  | \$5,144,177     | 0.0    |             |         |      |       |            |       |           |            |

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



|                                | Allo                  | cation |           |              |           |            | Performanc | e(%)        |                    |                   |
|--------------------------------|-----------------------|--------|-----------|--------------|-----------|------------|------------|-------------|--------------------|-------------------|
|                                | Market<br>Value<br>\$ | %      | Policy(%) | 1<br>Quarter | 1<br>Year | 3<br>Years | 5<br>Years | 10<br>Years | Since<br>Inception | Inception<br>Date |
| Ares Mezzanine Fund Partners   | \$52,608              | 0.0    |           |              |           |            |            |             |                    |                   |
| Lightyear Fund III             | \$1,326,910           | 0.0    |           |              |           |            |            |             |                    |                   |
| EIF U.S. Power Fund IV         | \$12,823,603          | 0.1    |           |              |           |            |            |             |                    |                   |
| McCarthy Capital Fund V        | \$6,035,822           | 0.0    |           |              |           |            |            |             |                    |                   |
| Green Equity Investors VI      | \$18,420,452          | 0.1    |           |              |           |            |            |             |                    |                   |
| Wayzata Opp Fund III           | \$3,674,662           | 0.0    |           |              |           |            |            |             |                    |                   |
| Accel KKR Capital Partners IV  | \$9,983,362           | 0.1    |           |              |           |            |            |             |                    |                   |
| Beeker Petty O'Keefe & Co. IV  | \$13,656,076          | 0.1    |           |              |           |            |            |             |                    |                   |
| Pine Brook Capital Partners II | \$23,995,014          | 0.2    |           |              |           |            |            |             |                    |                   |
| EMG III LP                     | \$14,157,814          | 0.1    |           |              |           |            |            |             |                    |                   |
| Francisco Partners IV          | \$36,974,318          | 0.2    |           |              |           |            |            |             |                    |                   |
| Wynnchurch Capital Partners IV | \$19,042,210          | 0.1    |           |              |           |            |            |             |                    |                   |
| BridgePoint Europe V           | \$20,716,693          | 0.1    |           |              |           |            |            |             |                    |                   |
| McCarthy Capital Fund VI       | \$18,620,225          | 0.1    |           |              |           |            |            |             |                    |                   |
| Dover Street IX                | \$32,893,529          | 0.2    |           |              |           |            |            |             |                    |                   |
| Green Equity Investors VII     | \$47,528,425          | 0.3    |           |              |           |            |            |             |                    |                   |
| Quantum Energy Investors VII   | \$20,460,775          | 0.1    |           |              |           |            |            |             |                    |                   |
| Ares Corporate Opp Fund V      | \$32,371,829          | 0.2    |           |              |           |            |            |             |                    |                   |
| Genstar Cap Ptr VIII L.P.      | \$60,581,483          | 0.4    |           |              |           |            |            |             |                    |                   |
| New Mountain Partners V        | \$40,294,550          | 0.3    |           |              |           |            |            |             |                    |                   |
| Francisco Partners V           | \$39,054,055          | 0.3    |           |              |           |            |            |             |                    |                   |
| Resolute Fund IV               | \$42,752,418          | 0.3    |           |              |           |            |            |             |                    |                   |
| BridgePoint Europe VI          | \$14,795,260          | 0.1    |           |              |           |            |            |             |                    |                   |
| Genstar Cap Ptr IX LP          | \$19,159,486          | 0.1    |           |              |           |            |            |             |                    |                   |
| New Enterprise Associates 17   | \$16,410,736          | 0.1    |           |              |           |            |            |             |                    |                   |
| Dover Street X                 | \$10,949,899          | 0.1    |           |              |           |            |            |             |                    |                   |
| Wynnchurch Capital Partners V  | 7 . 2, 2 . 2, 0 00    | 0.0    |           |              |           |            |            |             |                    |                   |
| Private Equity Cash            | \$81,986,973          | 0.5    |           |              |           |            |            |             |                    |                   |
| Total Cash                     | \$14,505,364          | 0.1    | 0.0       |              |           |            |            |             |                    |                   |
| STIF                           | \$14,505,364          | 0.1    |           |              |           |            |            |             |                    |                   |

The Inception-to-Date IRR for Real Estate is 6.4% as of 9/30/2020. The Inception-to-Date IRR for Private Equity is 12.0% as of 9/30/2020.

The Private Equity asset class returns are time-weighted.

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



<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.

|                                     |           |            |           |           | Perform   | nance(%)  |           |            |            |           |
|-------------------------------------|-----------|------------|-----------|-----------|-----------|-----------|-----------|------------|------------|-----------|
|                                     | 2019      | 2018       | 2017      | 2016      | 2015      | 2014      | 2013      | 2012       | 2011       | 2010      |
| Total Defined Benefit Plan          | 19.0 (23) | -4.2 (65)  | 16.6 (24) | 8.6 (16)  | 1.1 (17)  | 6.9 (22)  | 18.3 (20) | 12.9 (56)  | 0.4 (45)   | 13.3 (53) |
| Policy Benchmark                    | 21.0 (8)  | -4.8 (75)  | 16.3 (34) | 8.2 (21)  | 0.3 (46)  | 6.9 (23)  | 17.4 (26) | 13.1 (55)  | 0.2 (51)   | 13.5 (50) |
| Total U.S. Equity                   | 30.5 (35) | -5.5 (41)  | 20.5 (41) | 13.3 (36) | 0.6 (30)  | 12.2 (31) | 34.1 (44) | 16.3 (56)  | 0.9 (58)   | 18.1 (50) |
| Dow Jones U.S. Total Stock Market   | 30.9 (29) | -5.3 (39)  | 21.2 (32) | 12.6 (53) | 0.4 (40)  | 12.5 (21) | 33.5 (55) | 16.4 (55)  | 1.1 (52)   | 17.5 (65) |
| DFA                                 | 21.7 (70) | -12.3 (59) | 12.0 (77) | 24.2 (19) | -2.6 (59) | 4.6 (62)  | 42.0 (34) | 21.8 (10)  | -7.2 (86)  | 33.8 (18) |
| Russell 2000 Index*                 | 25.5 (46) | -11.0 (43) | 14.6 (51) | 21.3 (36) | -4.4 (82) | 5.6 (55)  | 34.5 (85) | 18.0 (32)  | -5.5 (80)  | 24.5 (77) |
| BlackRock Russell 1000 Index        | 31.5 (29) | -4.7 (37)  | 21.6 (46) | 12.1 (23) | 1.0 (49)  | 13.2 (36) | 33.1 (35) | 16.5 (33)  | 1.6 (51)   | 16.2 (28) |
| Russell 1000 Index                  | 31.4 (29) | -4.8 (38)  | 21.7 (44) | 12.1 (23) | 0.9 (50)  | 13.2 (35) | 33.1 (35) | 16.4 (35)  | 1.5 (52)   | 16.1 (28) |
| Total Non-U.S. Equity               | 22.0 (82) | -14.5 (73) | 31.8 (10) | 2.5 (82)  | -1.3 (33) | -4.2 (91) | 18.6 (43) | 15.2 (100) | -14.5 (94) | 9.5 (91)  |
| MSCI All Country World ex-U.S. IMI* | 21.6 (84) | -14.8 (82) | 27.8 (74) | 4.4 (41)  | -4.6 (79) | -3.9 (88) | 15.8 (79) | 17.0 (89)  | -14.3 (92) | 12.4 (46) |
| BlackRock ACWI ex-U.S. IMI Index    | 22.0      | -14.6      |           |           |           |           |           |            |            |           |
| MSCI AC World ex USA IMI (Net)      | 21.6      | -14.8      |           |           |           |           |           |            |            |           |
| Total Global Equity                 | 25.5 (58) | -9.7 (54)  | 24.9 (42) | 7.7 (37)  | -2.0 (61) | 3.9 (49)  | 25.5 (54) | 16.6 (45)  | -3.5 (35)  | 11.3 (71) |
| MSCI All Country World IMI*         | 26.4 (52) | -10.1 (57) | 23.9 (47) | 8.4 (32)  | -2.2 (63) | 3.8 (49)  | 23.6 (64) | 16.4 (48)  | -7.9 (59)  | 13.5 (52) |
| MFS                                 | 31.1 (23) | -9.1 (48)  | 24.3 (45) | 7.5 (39)  | -0.9 (53) | 4.7 (43)  | 29.1 (36) | 23.9 (6)   | -3.6 (36)  | 13.1 (57) |
| MSCI All Country World IMI*         | 26.4 (52) | -10.1 (57) | 23.9 (47) | 8.4 (32)  | -2.2 (63) | 3.8 (49)  | 23.6 (64) | 16.1 (52)  | -7.3 (56)  | 12.7 (59) |
| Arrowstreet                         | 22.4 (73) | -6.9 (32)  | 27.0 (30) |           |           |           |           |            |            |           |
| MSCI AC World IMI (Net)             | 26.4 (52) | -10.1 (57) | 23.9 (47) |           |           |           |           |            |            |           |
| Wellington Equity                   | 22.7 (70) | -13.8 (38) | 27.9 (30) |           |           |           |           |            |            |           |
| MSCI AC World Small Cap (Net)       | 24.7 (68) | -14.4 (44) | 23.8 (50) |           |           |           |           |            |            |           |
| Dodge & Cox                         | 23.9      | -12.6      |           |           |           |           |           |            |            |           |
| MSCI AC World IMI (Net)             | 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.

|   | Performance(%) |           |          |           |           |          |           |          |          |           |
|---|----------------|-----------|----------|-----------|-----------|----------|-----------|----------|----------|-----------|
|   | 2019           | 2018      | 2017     | 2016      | 2015      | 2014     | 2013      | 2012     | 2011     | 2010      |
| Total Fixed Income                          | 8.5 (74)       | 0.0 (38)  | 5.0 (44) | 4.9 (49)  | 0.0 (50)  | 5.1 (81) | -1.4 (49) | 7.9 (45) | 5.9 (94) | 10.2 (30) |
| Blmbg. Barc. Universal Bond Index*          | 9.3 (51)       | -0.3 (50) | 4.1 (72) | 3.9 (73)  | 0.4 (31)  | 5.6 (73) | -1.3 (48) | 5.5 (91) | 7.4 (65) | 7.2 (90)  |
| BlackRock Core Plus Universal               | 9.6 (49)       | -0.5 (43) | 4.3 (58) | 3.8 (64)  | 1.1 (7)   | 6.0 (42) | -1.4 (75) | 6.7 (70) | 8.8 (3)  | 8.5 (63)  |
| Blmbg. Barc. Universal Bond Index*          | 9.3 (57)       | -0.3 (30) | 4.1 (66) | 3.9 (58)  | 0.4 (27)  | 5.6 (59) | -1.3 (73) | 5.5 (90) | 7.4 (33) | 7.2 (87)  |
| PIMCO                                       | 10.0 (35)      | 0.1 (16)  | 5.6 (19) | 4.6 (41)  | -0.1 (49) | 4.7 (81) | -1.5 (79) | 8.3 (46) | 4.7 (86) | 9.0 (45)  |
| Blmbg. Barc. Univeral Bond Index*           | 9.3 (57)       | -0.3 (30) | 4.1 (66) | 3.9 (58)  | 0.4 (27)  | 5.6 (59) | -1.3 (73) | 5.5 (90) | 7.4 (33) | 7.2 (87)  |
| BlackRock Aggregate Bond Index              | 8.8 (64)       | -0.1 (38) | 3.7 (57) | 2.7 (65)  | 0.6 (46)  | 6.2 (34) | -1.9 (59) | 4.3 (89) | 7.9 (26) | 6.8 (64)  |
| Blmbg. Barc. Aggregate Bond Index           | 8.7 (68)       | 0.0 (31)  | 3.5 (63) | 2.6 (66)  | 0.5 (52)  | 6.0 (45) | -2.0 (65) | 4.2 (90) | 7.8 (28) | 6.5 (73)  |
| Loomis Sayles                               | 10.2 (30)      | -0.9 (56) | 8.6 (2)  | 10.0 (5)  | -2.8 (90) | 8.3 (2)  | 4.7 (3)   | 20.7 (1) | 1.7 (98) | 15.2 (1)  |
| Blmbg. Barc. Universal Bond Index*          | 9.3 (57)       | -0.3 (30) | 4.1 (66) | 3.9 (58)  | 0.4 (27)  | 5.6 (59) | -1.3 (73) | 5.5 (90) | 7.4 (33) | 8.8 (54)  |
| Wellington Global                           | 6.2 (87)       | -0.4 (20) | 7.2 (53) | 1.5 (90)  | -2.8 (48) |          |           |          |          |           |
| Blmbg. Barc. Global Aggregate               | 6.8 (84)       | -1.2 (30) | 7.4 (48) | 2.1 (85)  | -3.2 (51) |          |           |          |          |           |
| Loomis Sayles Bank Loans                    | 7.7 (61)       | -0.6 (85) | 2.9 (92) | 7.4 (92)  | 1.1 (26)  |          |           |          |          |           |
| S&P/LSTA Leveraged Loan Index               | 8.6 (33)       | 0.4 (39)  | 4.1 (39) | 10.2 (15) | -0.7 (76) |          |           |          |          |           |
| Franklin Templeton                          | 4.5 (95)       | 0.9 (11)  | 2.9 (92) | 9.9 (27)  | 0.1 (51)  |          |           |          |          |           |
| Credit Suisse Leveraged Loan (Split BB)     | 8.9 (25)       | 0.0 (61)  | 3.2 (87) | 8.5 (59)  | 1.5 (23)  |          |           |          |          |           |
| Neuberger Berman Core Plus                  | 10.3 (28)      | -0.4 (36) | 4.8 (39) | 5.1 (32)  |           |          |           |          |          |           |
| Blmbg. Barc. Universal Bond Index           | 9.3 (57)       | -0.3 (30) | 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                           | 4.0            | 6.9       | 7.3      | 10.8      | 14.2      | 11.7     | 9.6       | 8.4      | 15.6     | 9.4       |
| Performance Benchmark                       | 4.4            | 7.4       | 6.7      | 7.8       | 13.3      | 11.8     | 11.0      | 10.5     | 14.3     | 13.1      |

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



<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.

|  | Performance(%) |      |      |      |      |      |      |      |      |      |
|--|----------------|------|------|------|------|------|------|------|------|------|
|  | 2019           | 2018 | 2017 | 2016 | 2015 | 2014 | 2013 | 2012 | 2011 | 2010 |
| UBS Trumbull Property Income           |                |      |      |      |      |      |      |      |      |      |
| Almanac Realty Securities VII          |                |      |      |      |      |      |      |      |      |      |
| Francisco Partners IV                  |                |      |      |      |      |      |      |      |      |      |
| Torchlight IV                          |                |      |      |      |      |      |      |      |      |      |
| 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            |                |      |      |      |      |      |      |      |      |      |
| Real Estate Cash                       |                |      |      |      |      |      |      |      |      |      |
| Total Private Equity                   | 14.9           | 14.2 | 18.7 | 9.2  | 14.4 | 11.9 | 13.0 | 9.6  | 10.9 | 25.0 |
| Dow Jones U.S. Total Stock Market + 3% | 34.7           | -2.4 | 24.7 | 16.0 | 3.5  | 15.8 | 37.4 | 19.8 | 4.1  | 21.0 |
| Abbott Capital                         |                |      |      |      |      |      |      |      |      |      |

Pathway

Sun Capital

**Dover Street VIII** 

CMEA Ventures VII

New Mountain Partners III

New Mountain Partners IV

Citigroup Venture Capital International

Wayzata Opportunities Fund II

Resolute Fund II

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



<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.

|                                      | Performance(%) |      |      |      |      |      |      |      |      |      |
|--------------------------------------|----------------|------|------|------|------|------|------|------|------|------|
|                                      | 2019           | 2018 | 2017 | 2016 | 2015 | 2014 | 2013 | 2012 | 2011 | 2010 |
| Lincolnshire Equity Partners IV      |                |      |      |      |      |      |      |      |      |      |
| Longroad Capital Partners LP         |                |      |      |      |      |      |      |      |      |      |
| Merit Mezzanine Fund V               |                |      |      |      |      |      |      |      |      |      |
| Ares Mezzanine Fund Partners         |                |      |      |      |      |      |      |      |      |      |
| Lightyear Fund III                   |                |      |      |      |      |      |      |      |      |      |
| EIF U.S. Power Fund IV               |                |      |      |      |      |      |      |      |      |      |
| McCarthy Capital Fund V              |                |      |      |      |      |      |      |      |      |      |
| Green Equity Investors VI            |                |      |      |      |      |      |      |      |      |      |
| Wayzata Opp Fund III                 |                |      |      |      |      |      |      |      |      |      |
| 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

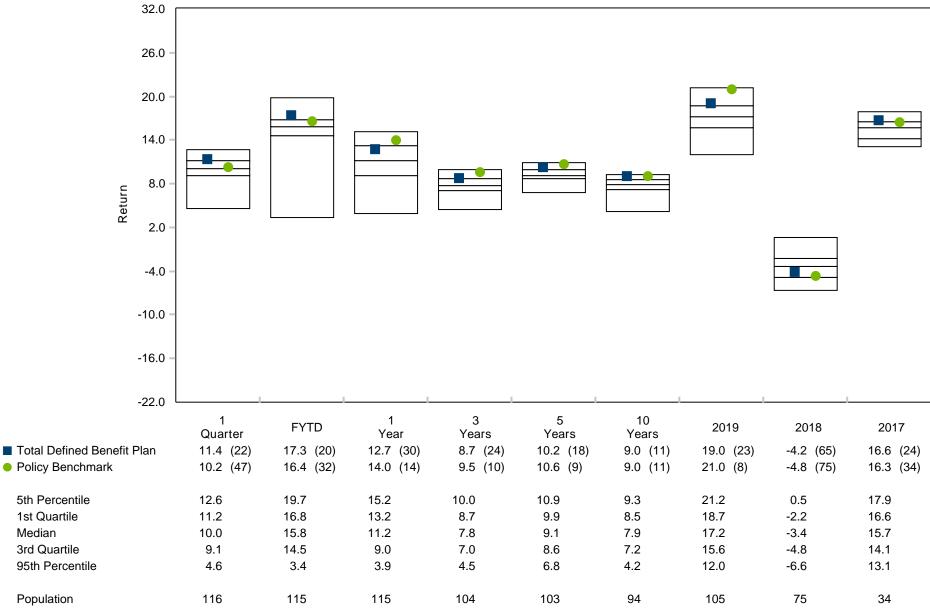
The Private Equity asset class returns are time-weighted. Performance for individual Private Equity accounts are provided separately in the Private Equity performance report.



<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.

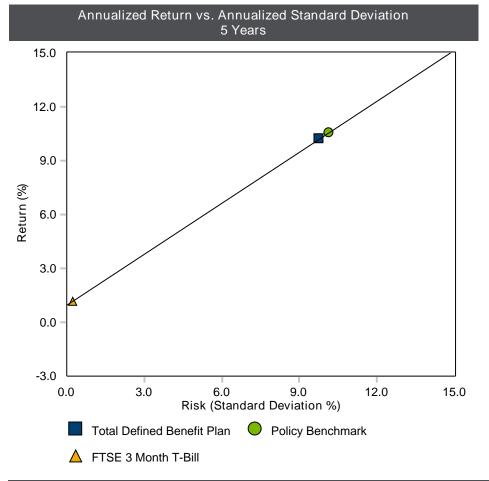
# Plan Sponsor Peer Group Analysis

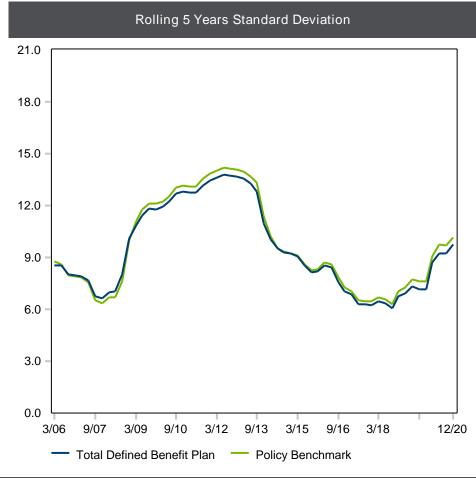
All Public Plans > \$1B-Total Fund





# Total Defined Benefit Plan Risk Profile

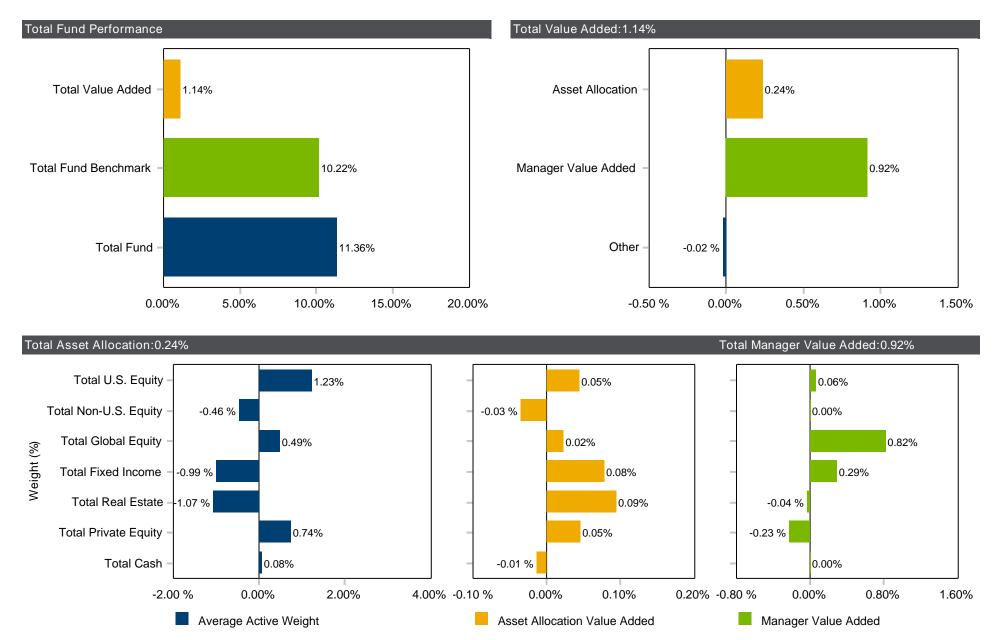




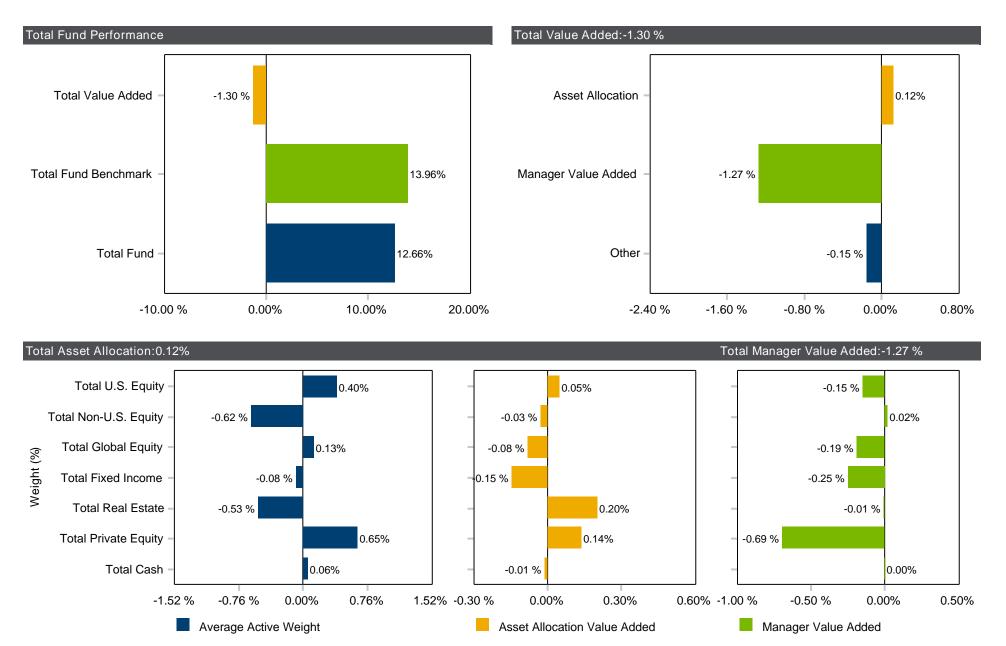
| 5 Years Historical Statistics |                  |                   |                      |           |                 |       |      |        |                       |                       |  |  |
|-------------------------------|------------------|-------------------|----------------------|-----------|-----------------|-------|------|--------|-----------------------|-----------------------|--|--|
|                               | Active<br>Return | Tracking<br>Error | Information<br>Ratio | R-Squared | Sharpe<br>Ratio | Alpha | Beta | Return | Standard<br>Deviation | Actual<br>Correlation |  |  |
| Total Defined Benefit Plan    | -0.35            | 0.94              | -0.38                | 0.99      | 0.93            | 0.11  | 0.96 | 10.22  | 9.75                  | 1.00                  |  |  |
| Policy Benchmark              | 0.00             | 0.00              | N/A                  | 1.00      | 0.93            | 0.00  | 1.00 | 10.56  | 10.16                 | 1.00                  |  |  |
| FTSE 3 Month T-Bill           | -9.44            | 10.20             | -0.93                | 0.03      | N/A             | 1.20  | 0.00 | 1.16   | 0.24                  | -0.17                 |  |  |



# **Total Fund Attribution**



# **Total Fund Attribution**



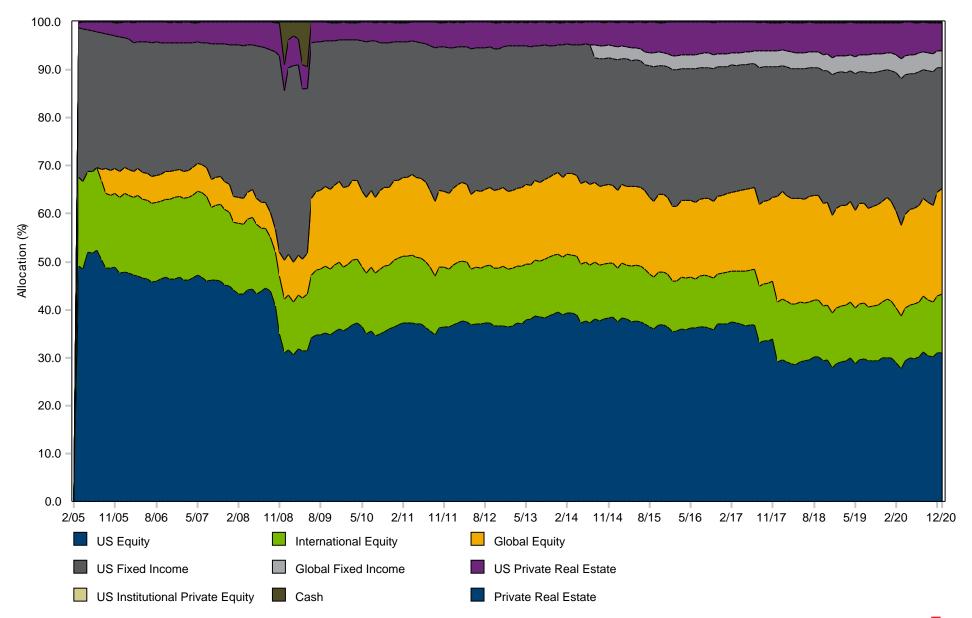


# **Total Fund Attribution**

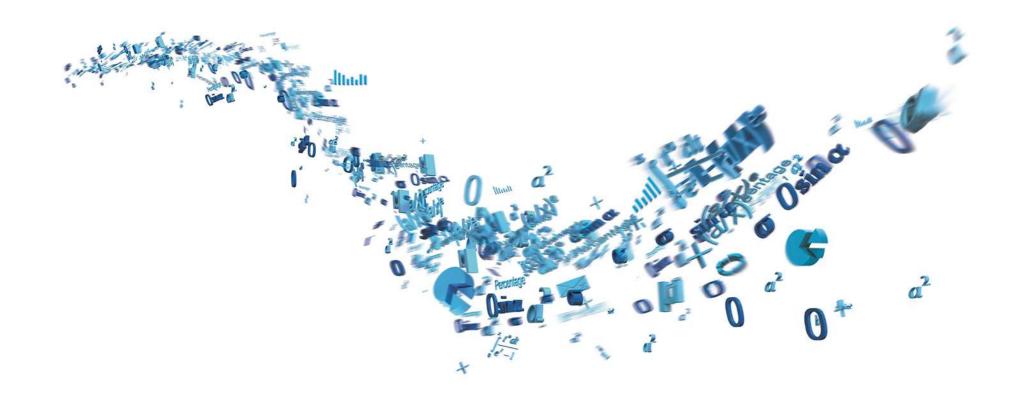


# Historical Asset Allocation by Asset Class

#### Total Defined Benefit Plan







# Total U.S. Equity

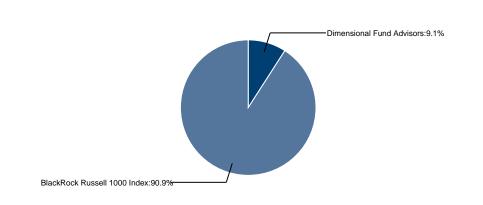


#### As of December 31, 2020

# Total U.S. Equity Portfolio Overview

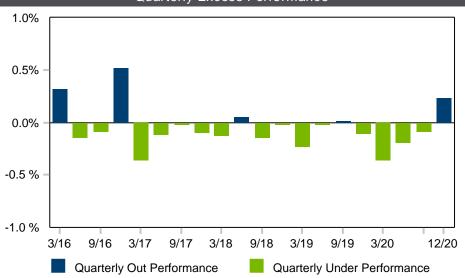


December 31, 2020 : \$4,384M





# Quarterly Excess Performance



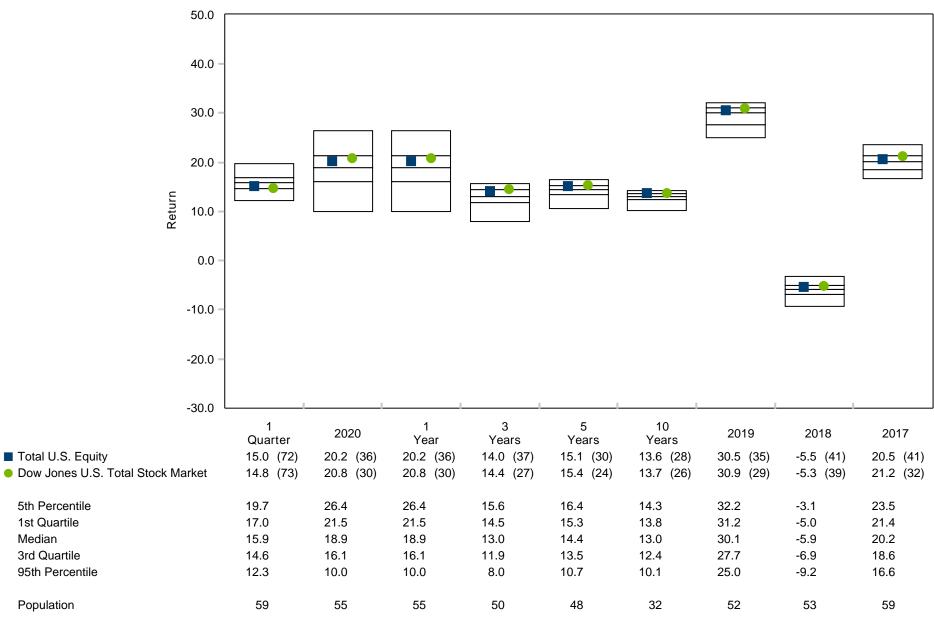
#### Ratio of Cumulative Wealth - 10 Years





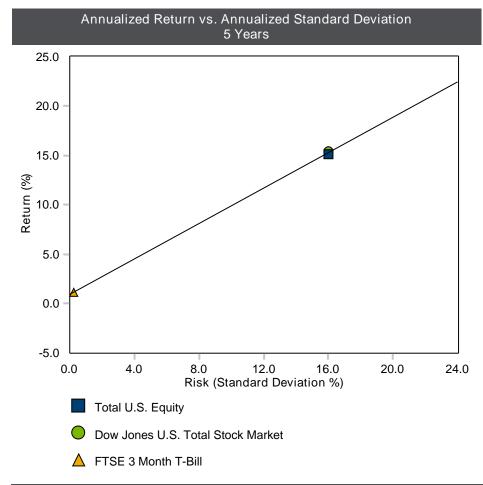
# Plan Sponsor Peer Group Analysis

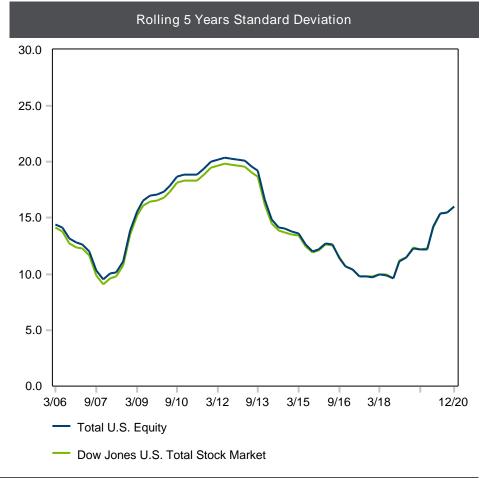
All Public Plans > \$1B-US Equity Segment





# Total U.S. Equity Risk Profile

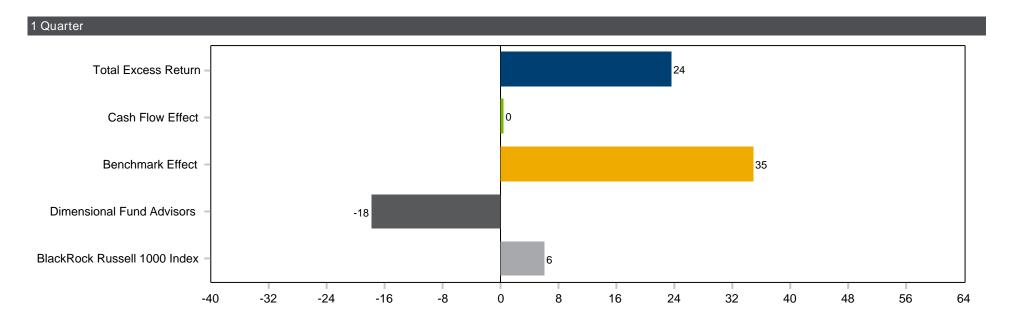


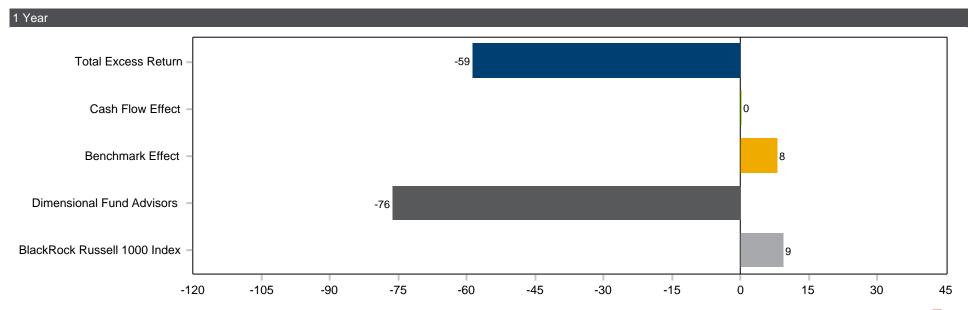


| 5 Years Historical Statistics     |                  |                   |                      |           |                 |       |      |        |                       |                       |  |  |
|-----------------------------------|------------------|-------------------|----------------------|-----------|-----------------|-------|------|--------|-----------------------|-----------------------|--|--|
|                                   | Active<br>Return | Tracking<br>Error | Information<br>Ratio | R-Squared | Sharpe<br>Ratio | Alpha | Beta | Return | Standard<br>Deviation | Actual<br>Correlation |  |  |
| Total U.S. Equity                 | -0.20            | 0.38              | -0.52                | 1.00      | 0.89            | -0.21 | 1.00 | 15.13  | 16.06                 | 1.00                  |  |  |
| Dow Jones U.S. Total Stock Market | 0.00             | 0.00              | N/A                  | 1.00      | 0.90            | 0.00  | 1.00 | 15.36  | 16.05                 | 1.00                  |  |  |
| FTSE 3 Month T-Bill               | -14.50           | 16.09             | -0.90                | 0.03      | N/A             | 1.20  | 0.00 | 1.16   | 0.24                  | -0.16                 |  |  |



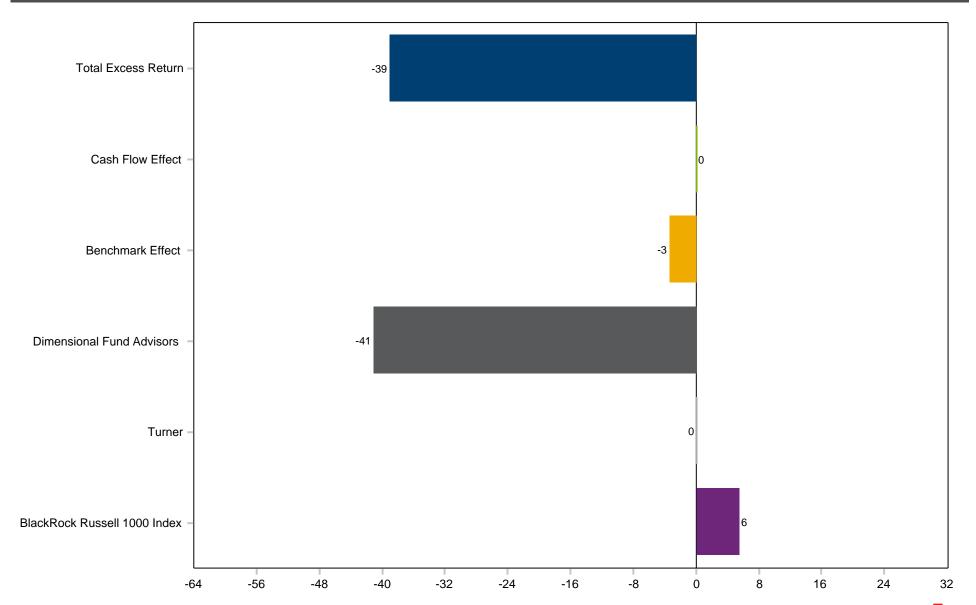
# **Asset Class Attribution**





# **Asset Class Attribution**

#### 3 Years



# Dimensional Fund Advisors Performance Summary

#### **Account Information**

Account Name: Dimensional Fund Advisors

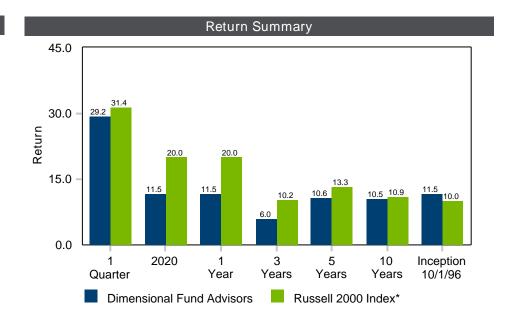
Inception Date: 10/01/1996

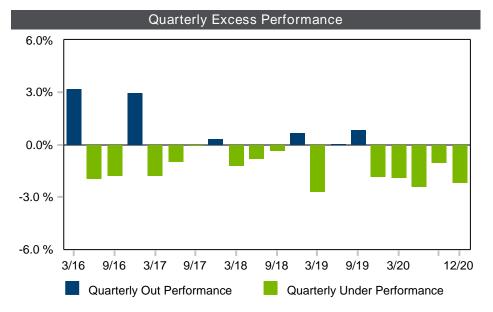
Account Structure: Commingled Fund

Asset Class: US Equity

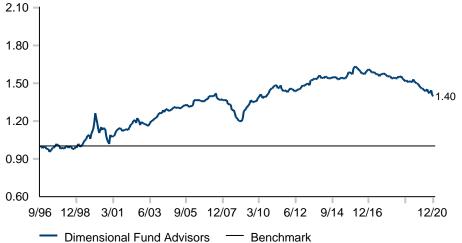
Benchmark: Russell 2000 Index\*

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





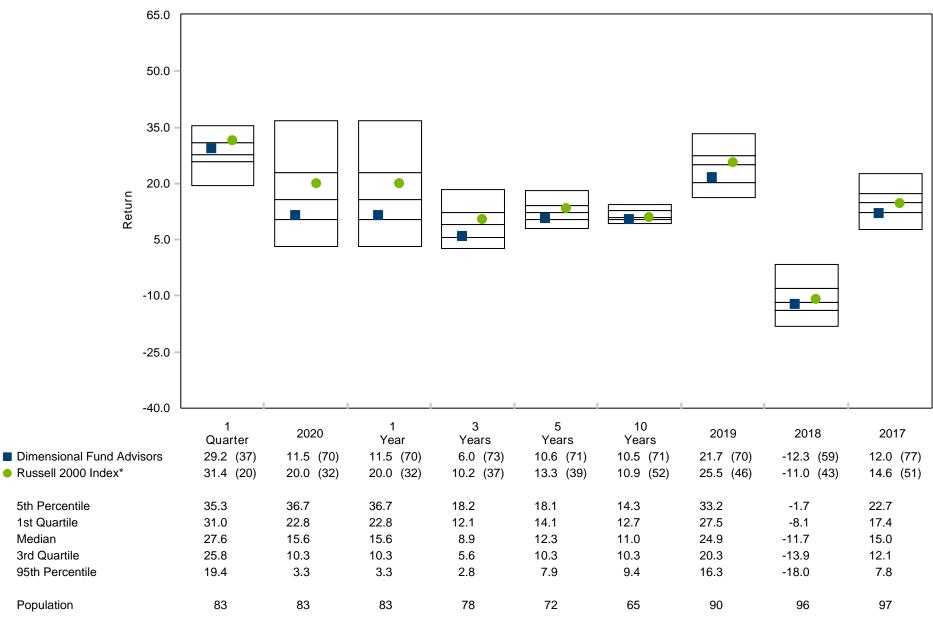
# Ratio of Cumulative Wealth - Since Inception





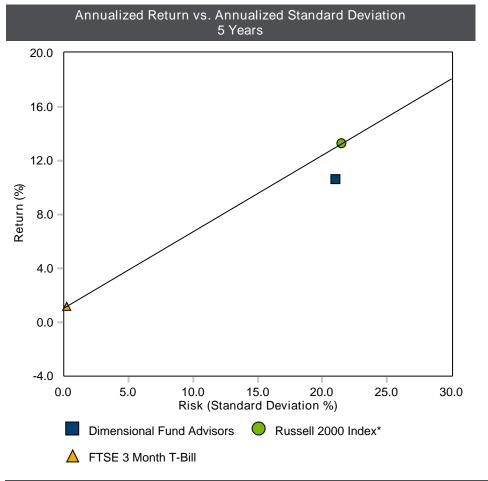
# Peer Group Analysis

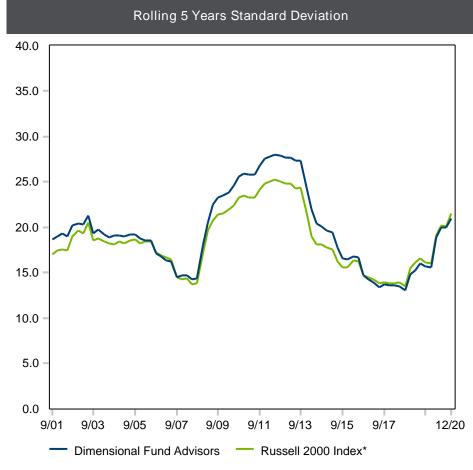
IM U.S. Small Cap Core Equity (SA+CF)





# Dimensional Fund Advisors Risk Profile





| 5 Years Historical Statistics |                  |                   |                      |           |                 |       |      |        |                       |                       |  |  |
|-------------------------------|------------------|-------------------|----------------------|-----------|-----------------|-------|------|--------|-----------------------|-----------------------|--|--|
|                               | Active<br>Return | Tracking<br>Error | Information<br>Ratio | R-Squared | Sharpe<br>Ratio | Alpha | Beta | Return | Standard<br>Deviation | Actual<br>Correlation |  |  |
| Dimensional Fund Advisors     | -2.50            | 3.10              | -0.81                | 0.98      | 0.53            | -1.98 | 0.97 | 10.59  | 21.03                 | 0.99                  |  |  |
| Russell 2000 Index*           | 0.00             | 0.00              | N/A                  | 1.00      | 0.63            | 0.00  | 1.00 | 13.26  | 21.54                 | 1.00                  |  |  |
| FTSE 3 Month T-Bill           | -13.70           | 21.60             | -0.63                | 0.05      | N/A             | 1.20  | 0.00 | 1.16   | 0.24                  | -0.23                 |  |  |



# BlackRock Russell 1000 Index Performance Summary

#### **Account Information**

Account Name: BlackRock Russell 1000 Index

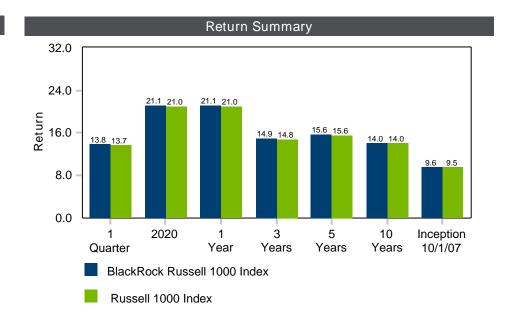
Inception Date: 10/01/2007

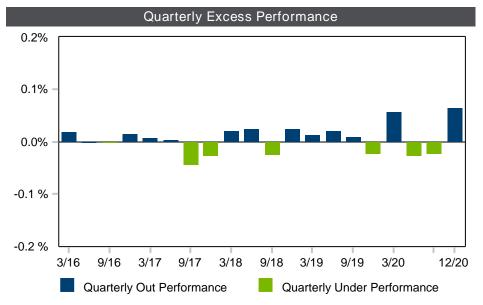
Account Structure: Commingled Fund

Asset Class: US Equity

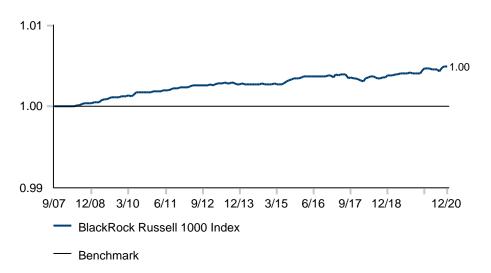
Benchmark: Russell 1000 Index

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





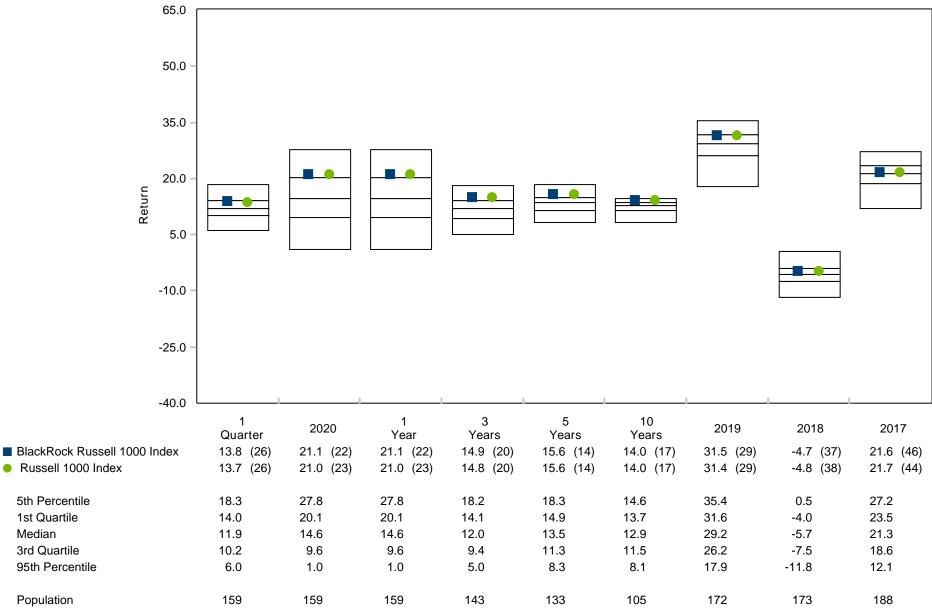
# Ratio of Cumulative Wealth - Since Inception





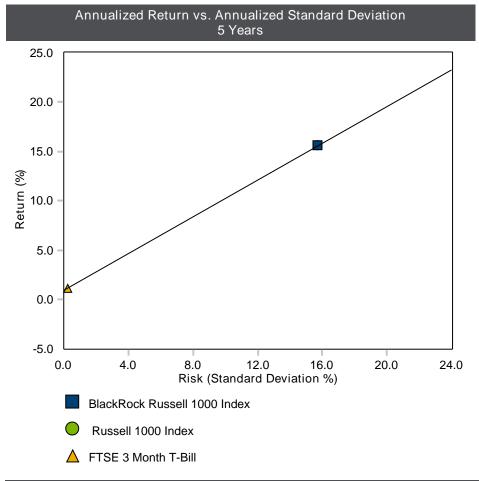
# Peer Group Analysis

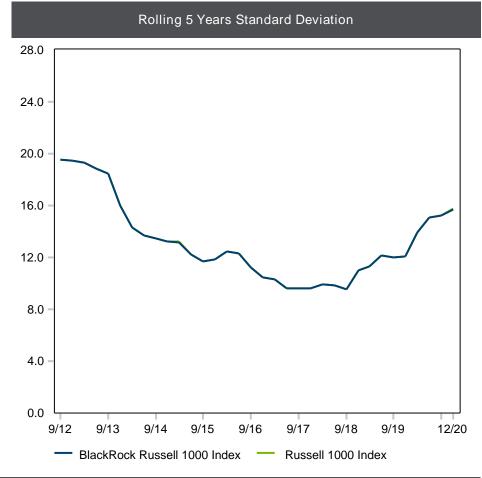
IM U.S. Large Cap Core Equity (SA+CF)





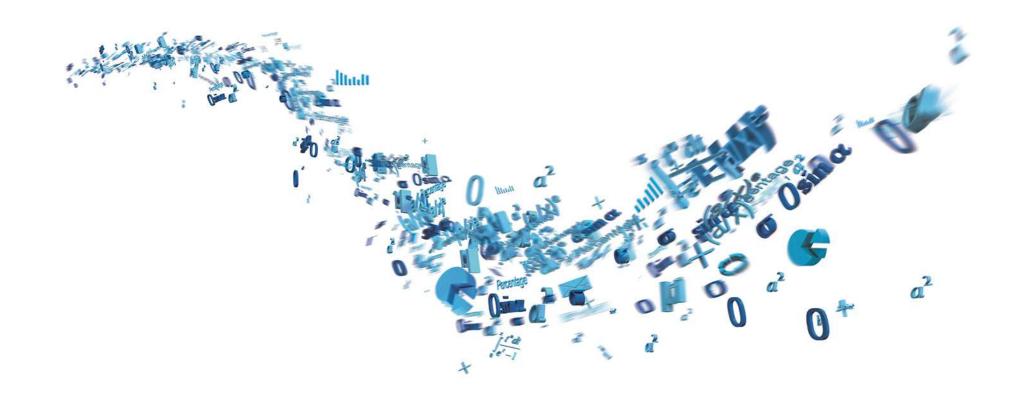
# BlackRock Russell 1000 Index Risk Profile





| 5 Years Historical Statistics |                  |                   |                      |           |                 |       |      |        |                       |                       |  |  |  |
|-------------------------------|------------------|-------------------|----------------------|-----------|-----------------|-------|------|--------|-----------------------|-----------------------|--|--|--|
|                               | Active<br>Return | Tracking<br>Error | Information<br>Ratio | R-Squared | Sharpe<br>Ratio | Alpha | Beta | Return | Standard<br>Deviation | Actual<br>Correlation |  |  |  |
| BlackRock Russell 1000 Index  | 0.02             | 0.05              | 0.46                 | 1.00      | 0.93            | 0.04  | 1.00 | 15.63  | 15.72                 | 1.00                  |  |  |  |
| Russell 1000 Index            | 0.00             | 0.00              | N/A                  | 1.00      | 0.93            | 0.00  | 1.00 | 15.60  | 15.73                 | 1.00                  |  |  |  |
| FTSE 3 Month T-Bill           | -14.65           | 15.77             | -0.93                | 0.02      | N/A             | 1.20  | 0.00 | 1.16   | 0.24                  | -0.15                 |  |  |  |





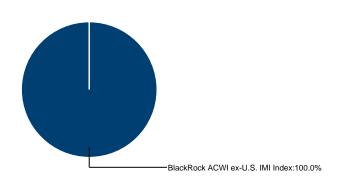
# Total Non-U.S. Equity

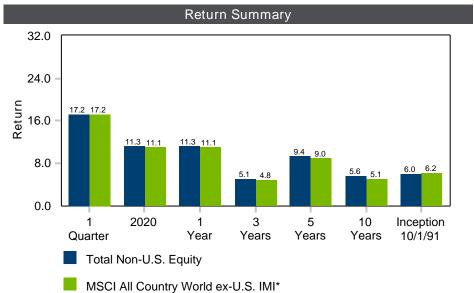


# Total Non-U.S. Equity Portfolio Overview



December 31, 2020 : \$1,731M





# 

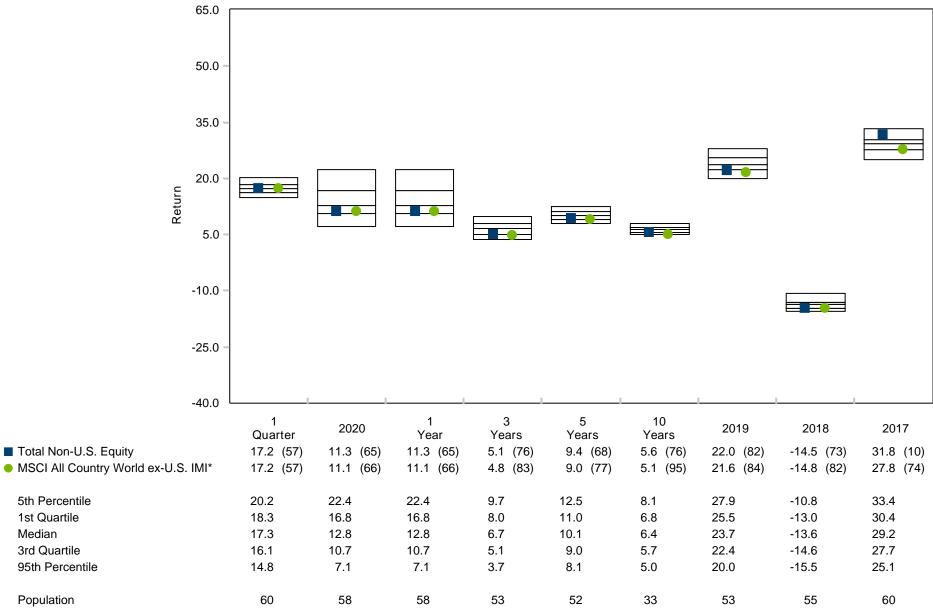
#### Ratio of Cumulative Wealth - 10 Years





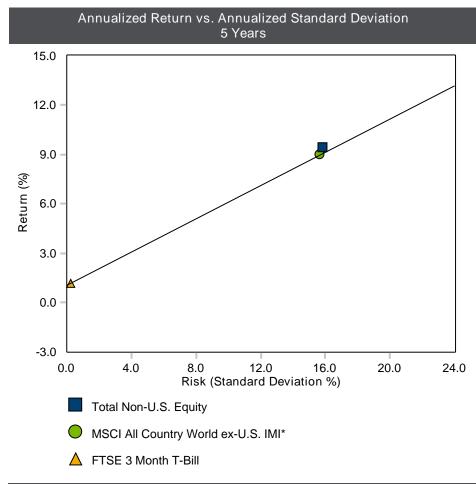
# Plan Sponsor Peer Group Analysis

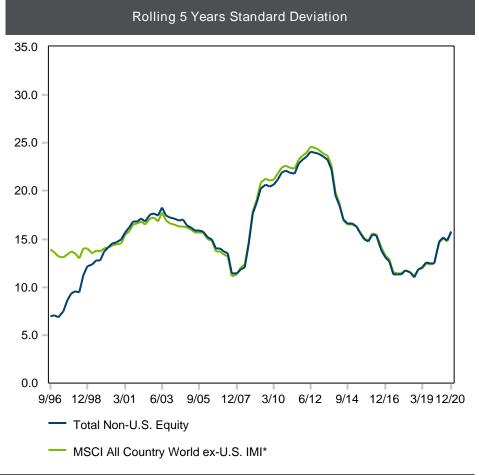
All Public Plans > \$1B-Intl. Equity Segment





# Total Non-U.S. Equity Risk Profile



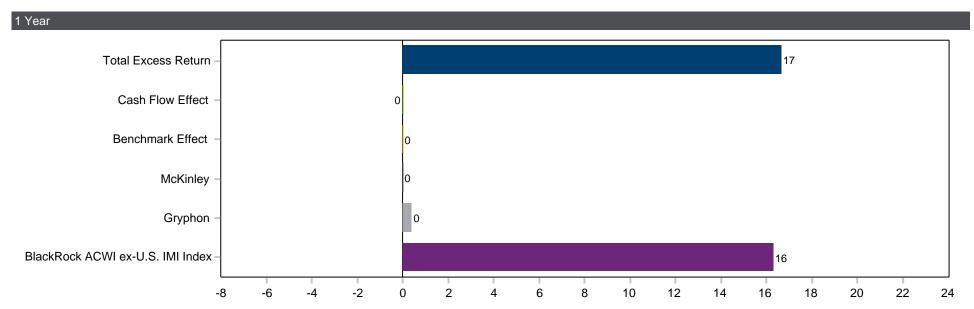


| 5 Years Historical Statistics       |                  |                   |                      |           |                 |       |      |        |                       |                       |  |  |
|-------------------------------------|------------------|-------------------|----------------------|-----------|-----------------|-------|------|--------|-----------------------|-----------------------|--|--|
|                                     | Active<br>Return | Tracking<br>Error | Information<br>Ratio | R-Squared | Sharpe<br>Ratio | Alpha | Beta | Return | Standard<br>Deviation | Actual<br>Correlation |  |  |
| Total Non-U.S. Equity               | 0.42             | 1.28              | 0.33                 | 0.99      | 0.57            | 0.34  | 1.01 | 9.41   | 15.83                 | 1.00                  |  |  |
| MSCI All Country World ex-U.S. IMI* | 0.00             | 0.00              | N/A                  | 1.00      | 0.55            | 0.00  | 1.00 | 8.98   | 15.66                 | 1.00                  |  |  |
| FTSE 3 Month T-Bill                 | -8.70            | 15.72             | -0.55                | 0.05      | N/A             | 1.19  | 0.00 | 1.16   | 0.24                  | -0.23                 |  |  |



# **Asset Class Attribution**

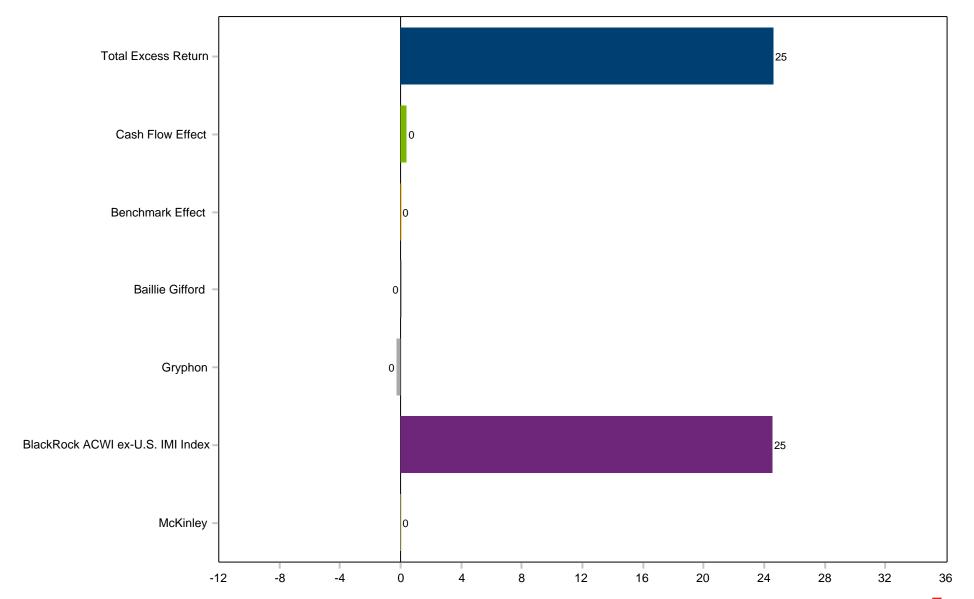






# **Asset Class Attribution**

#### 3 Years



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

#### **Account Information**

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

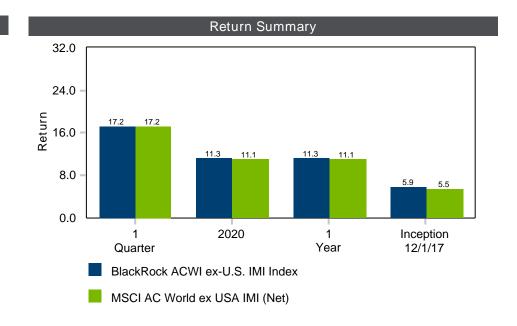
Inception Date: 12/01/2017

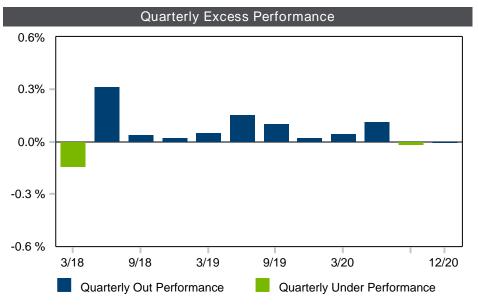
Account Structure: Commingled Fund

Asset Class: International Equity

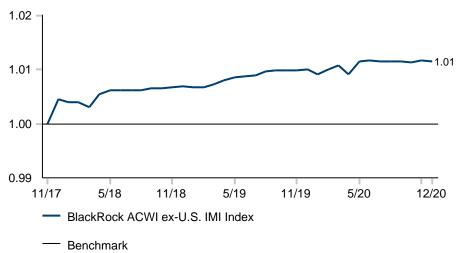
Benchmark: MSCI AC World ex USA IMI (Net)

Peer Group:

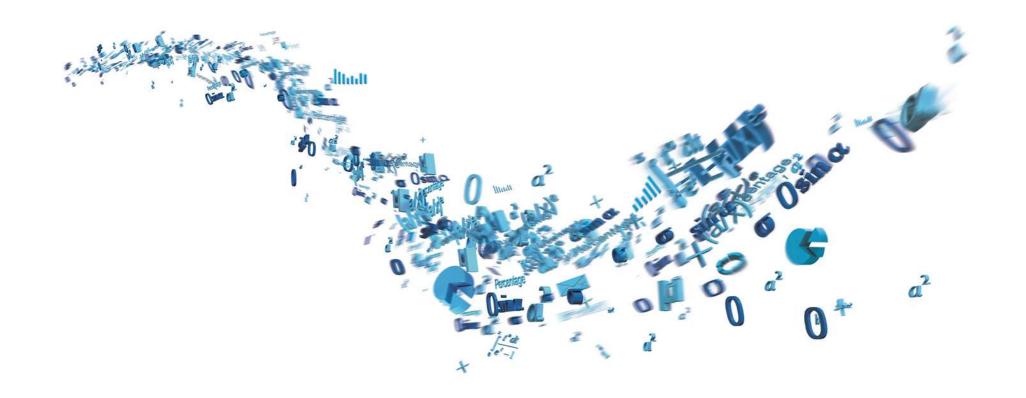




# Ratio of Cumulative Wealth - Since Inception







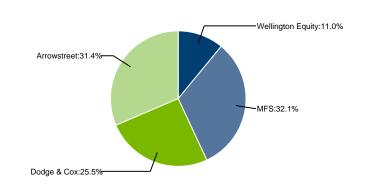
# **Total Global Equity**

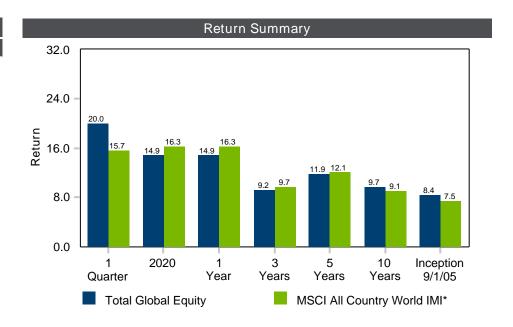


# Total Global Equity Portfolio Overview



December 31, 2020 : \$3,103M





#### Quarterly Excess Performance



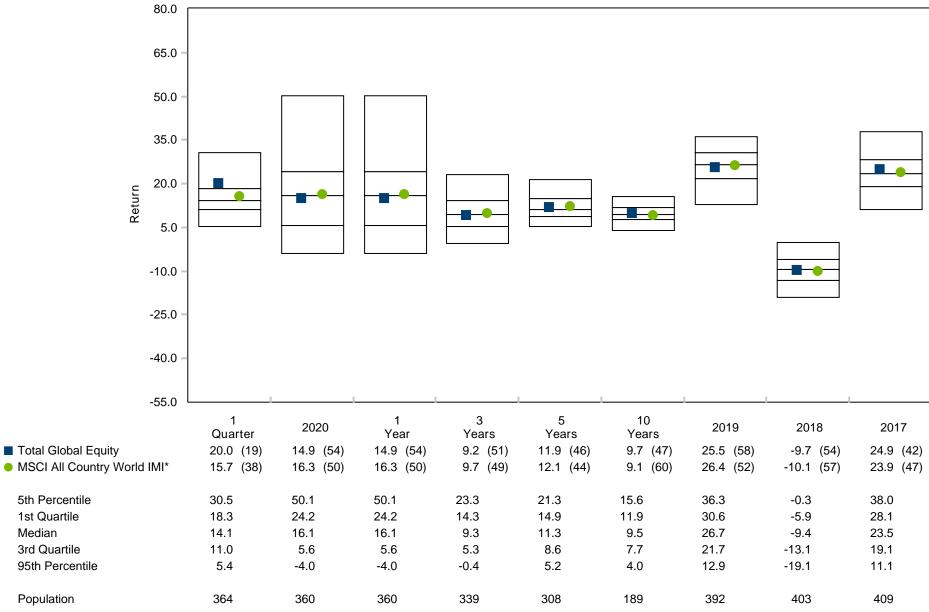
#### Ratio of Cumulative Wealth - Since Inception





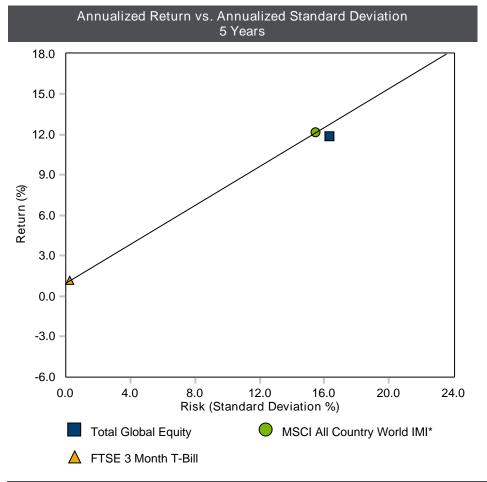
# Peer Group Analysis

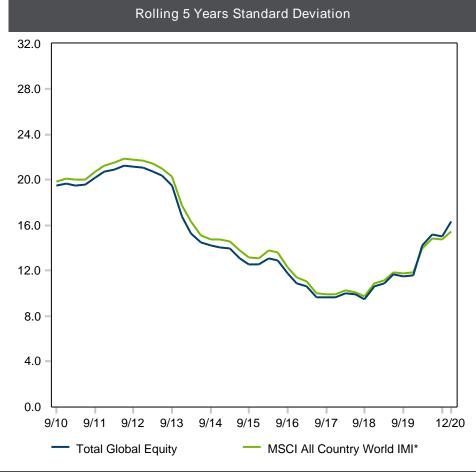
IM Global Equity (SA+CF)





# Total Global Equity Risk Profile

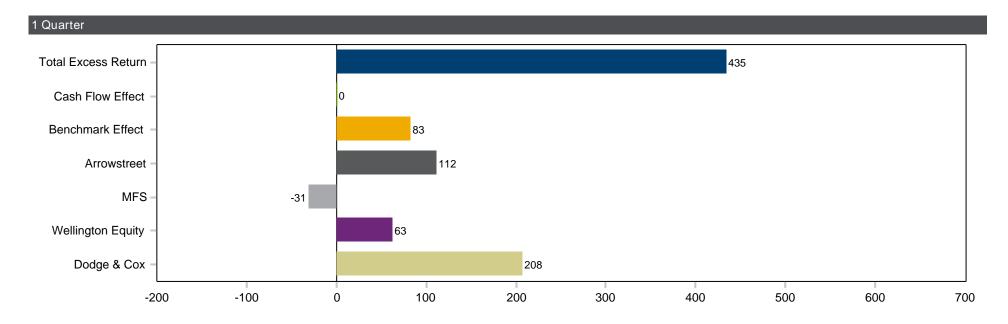


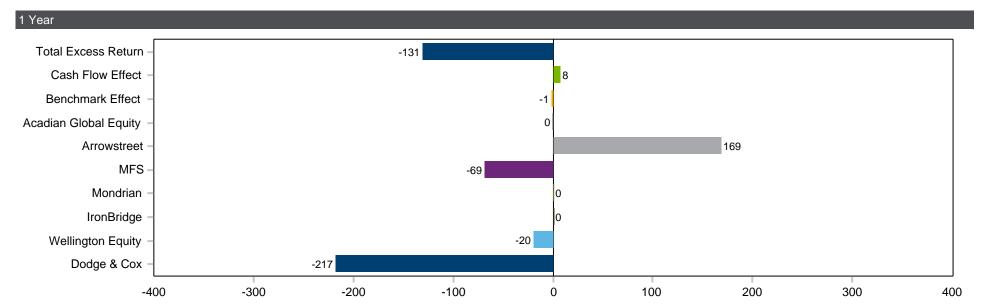


| 5 Years Historical Statistics |                  |                   |                      |           |                 |       |      |        |                       |                       |  |  |  |
|-------------------------------|------------------|-------------------|----------------------|-----------|-----------------|-------|------|--------|-----------------------|-----------------------|--|--|--|
|                               | Active<br>Return | Tracking<br>Error | Information<br>Ratio | R-Squared | Sharpe<br>Ratio | Alpha | Beta | Return | Standard<br>Deviation | Actual<br>Correlation |  |  |  |
| Total Global Equity           | -0.13            | 2.19              | -0.06                | 0.98      | 0.70            | -0.75 | 1.05 | 11.85  | 16.35                 | 0.99                  |  |  |  |
| MSCI All Country World IMI*   | 0.00             | 0.00              | N/A                  | 1.00      | 0.74            | 0.00  | 1.00 | 12.15  | 15.47                 | 1.00                  |  |  |  |
| FTSE 3 Month T-Bill           | -11.56           | 15.52             | -0.74                | 0.04      | N/A             | 1.20  | 0.00 | 1.16   | 0.24                  | -0.20                 |  |  |  |



# **Asset Class Attribution**

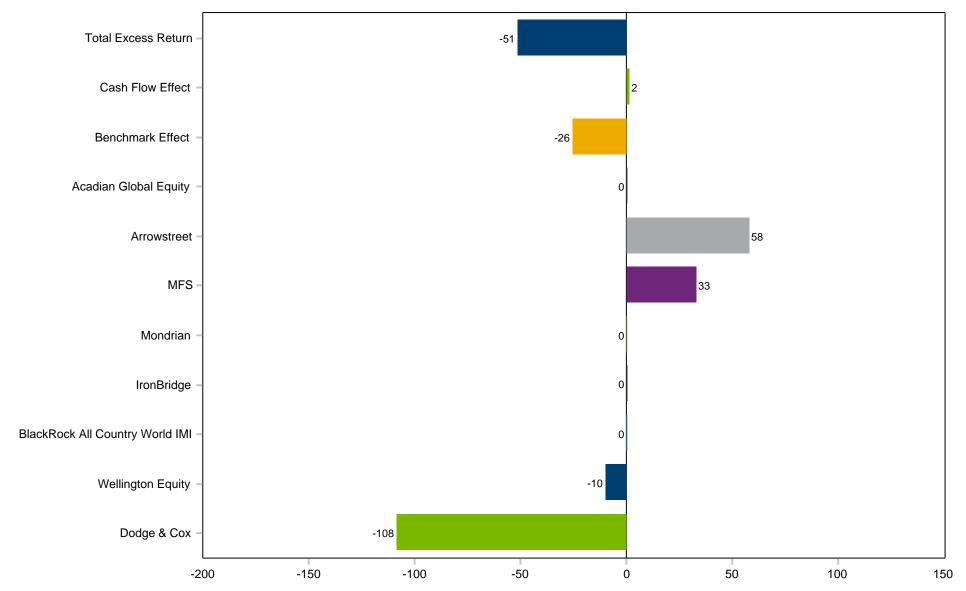






# **Asset Class Attribution**

#### 3 Years



# MFS Performance Summary

#### **Account Information**

Account Name: MFS

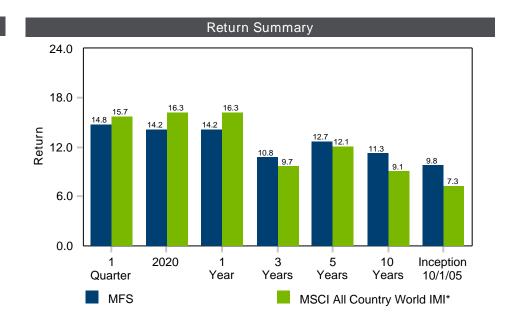
Inception Date: 10/01/2005

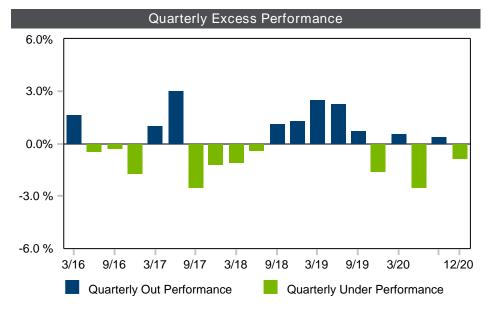
Account Structure: Separate Account

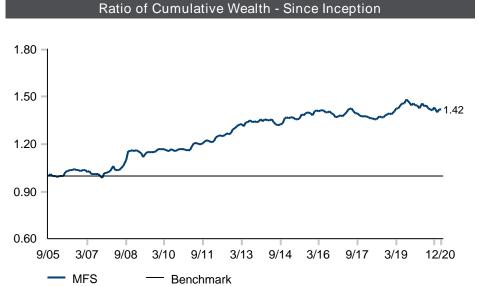
Asset Class: Global Equity

Benchmark: MSCI All Country World IMI\*

Peer Group: IM Global Equity (SA+CF)



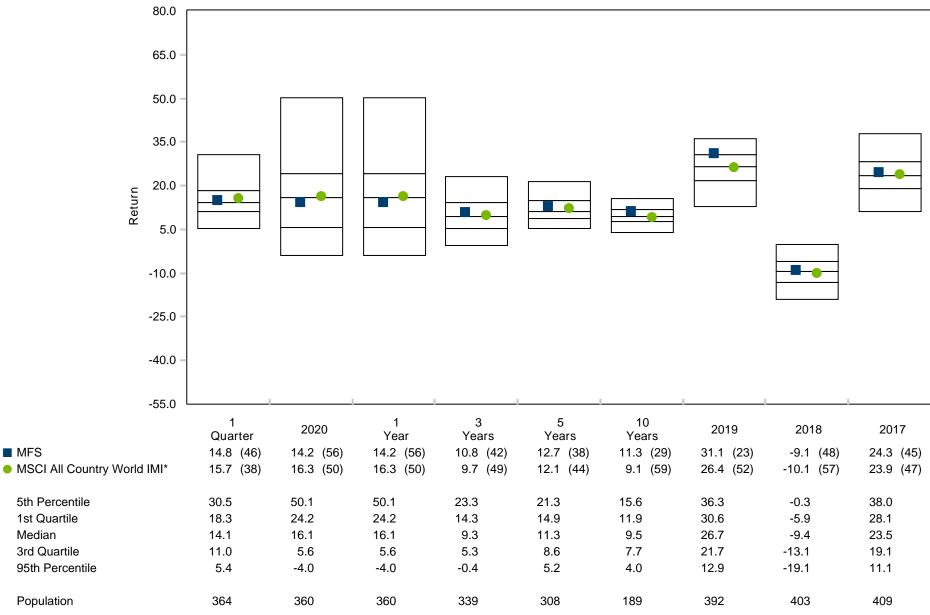






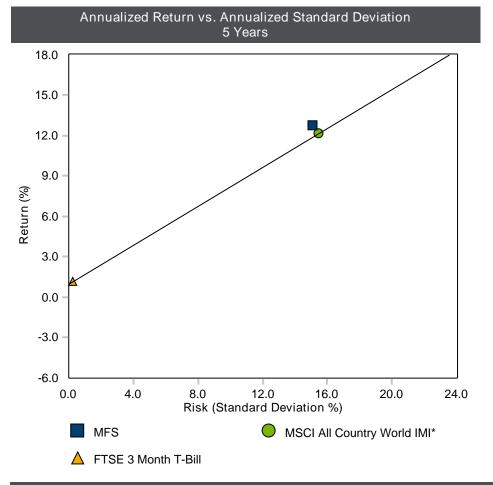
# Peer Group Analysis

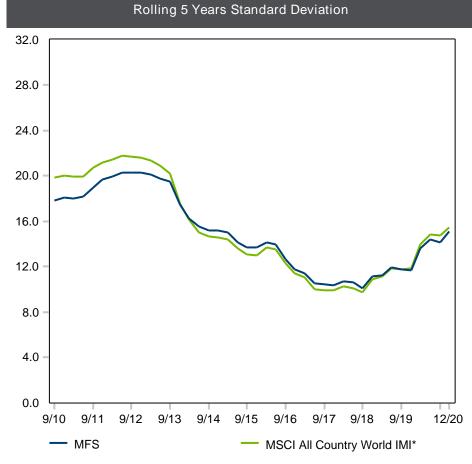
IM Global Equity (SA+CF)





# MFS Risk Profile





| 5 Years Historical Statistics |                  |                   |                      |           |                 |       |      |        |                       |                       |  |  |
|-------------------------------|------------------|-------------------|----------------------|-----------|-----------------|-------|------|--------|-----------------------|-----------------------|--|--|
|                               | Active<br>Return | Tracking<br>Error | Information<br>Ratio | R-Squared | Sharpe<br>Ratio | Alpha | Beta | Return | Standard<br>Deviation | Actual<br>Correlation |  |  |
| MFS                           | 0.44             | 3.17              | 0.14                 | 0.96      | 0.79            | 0.99  | 0.96 | 12.71  | 15.12                 | 0.98                  |  |  |
| MSCI All Country World IMI*   | 0.00             | 0.00              | N/A                  | 1.00      | 0.74            | 0.00  | 1.00 | 12.15  | 15.47                 | 1.00                  |  |  |
| FTSE 3 Month T-Bill           | -11.56           | 15.52             | -0.74                | 0.04      | N/A             | 1.20  | 0.00 | 1.16   | 0.24                  | -0.20                 |  |  |



# **Arrowstreet Performance Summary**

#### **Account Information**

Account Name: Arrowstreet

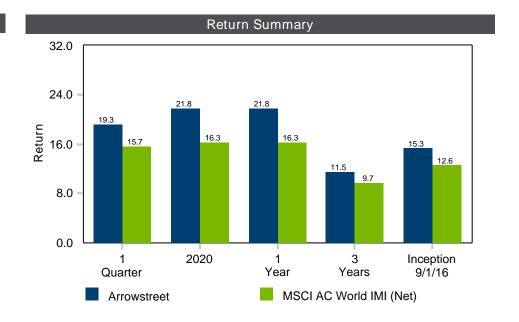
Inception Date: 09/01/2016

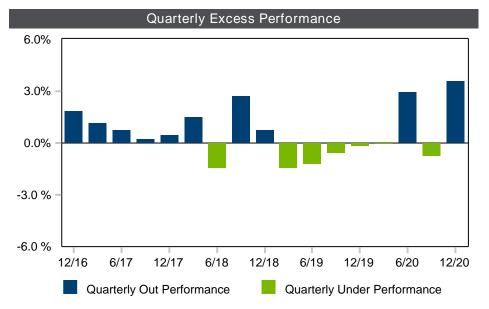
Account Structure: Separate Account

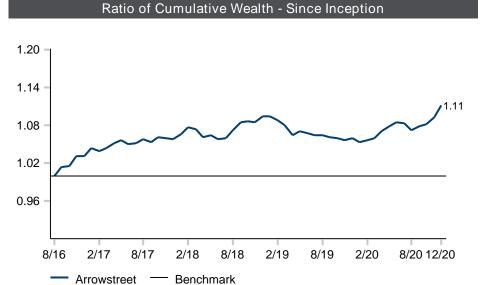
Asset Class: Global Equity

Benchmark: MSCI AC World IMI (Net)

Peer Group: IM Global Equity (SA+CF)



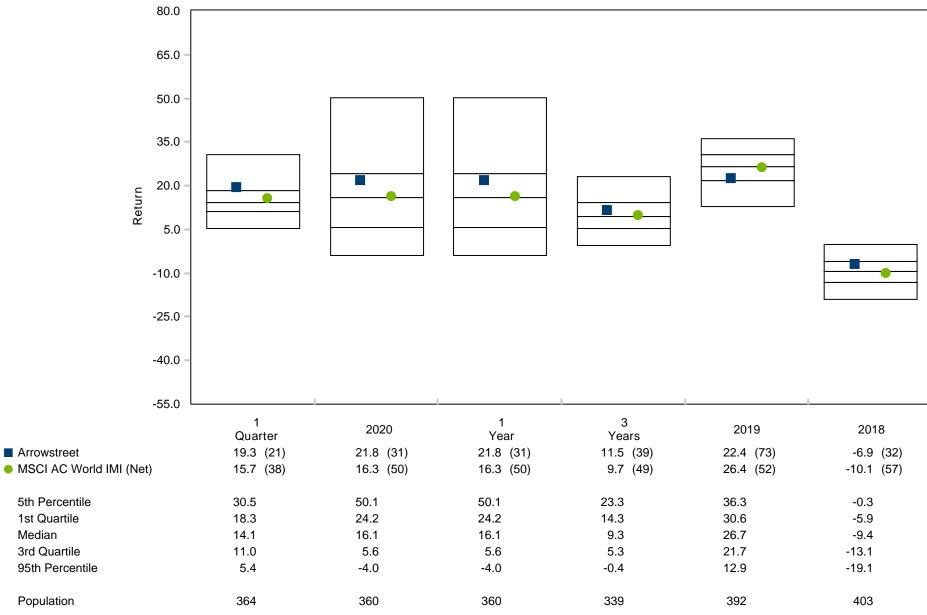






# Peer Group Analysis

IM Global Equity (SA+CF)





#### Wellington Equity Performance Summary

#### **Account Information**

Account Name: Wellington Equity

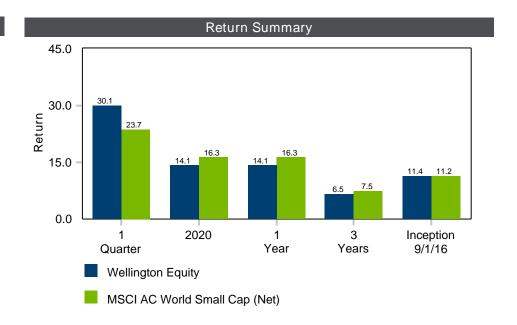
Inception Date: 09/01/2016

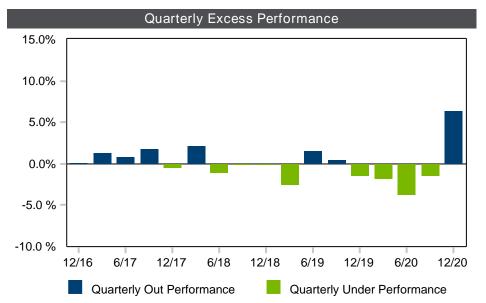
Account Structure: Separate Account

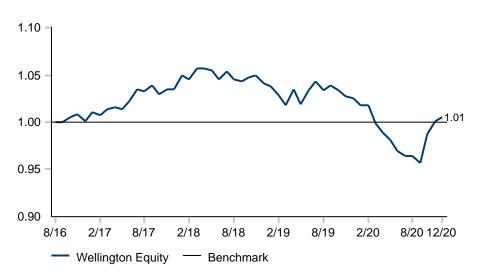
Asset Class: Global Equity

Benchmark: MSCI AC World Small Cap (Net)

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

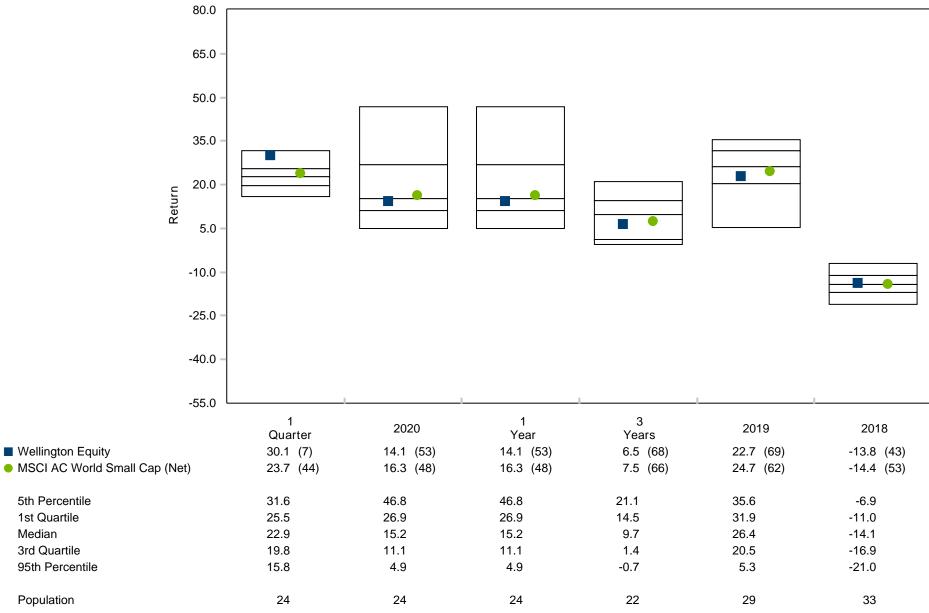








IM Global Small Cap Equity (SA+CF)





#### Dodge & Cox Performance Summary

#### **Account Information**

Account Name: Dodge & Cox

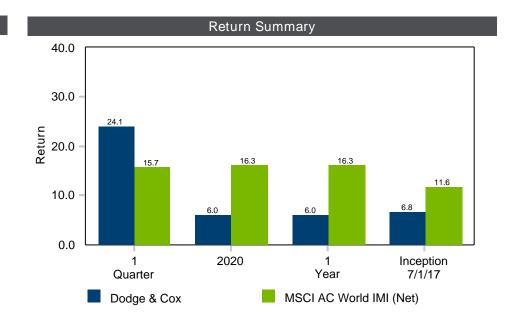
Inception Date: 07/01/2017

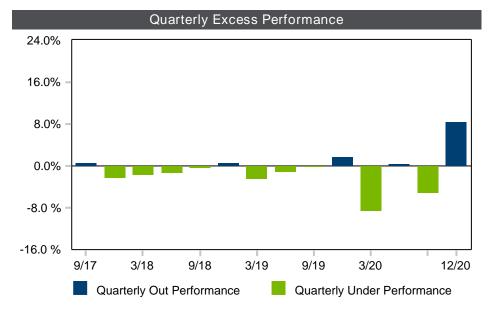
Account Structure: Mutual Fund

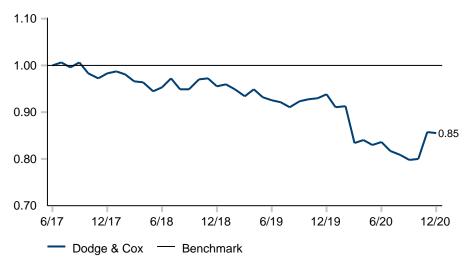
Asset Class: Global Equity

Benchmark: MSCI AC World IMI (Net)

Peer Group: IM Global Equity (MF)

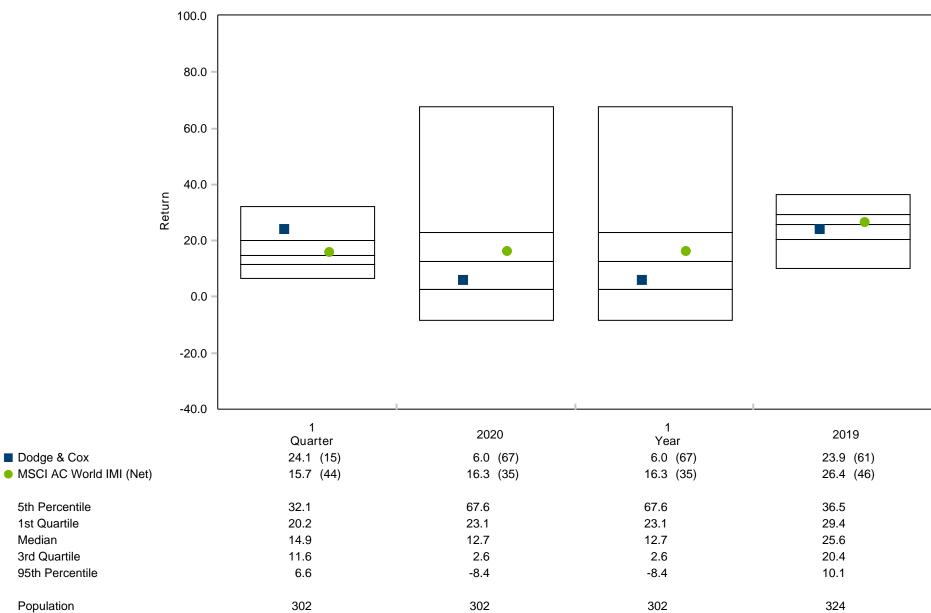












Parentheses contain percentile rankings.

■ Dodge & Cox

5th Percentile

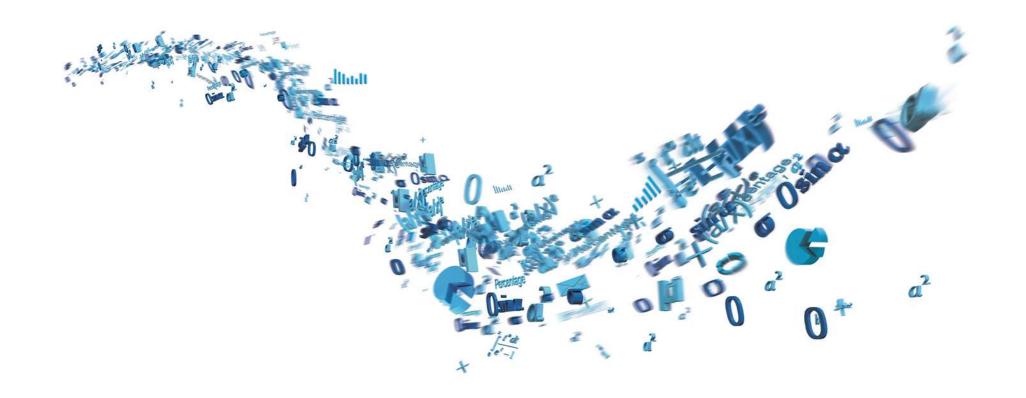
1st Quartile

3rd Quartile 95th Percentile

Population

Median





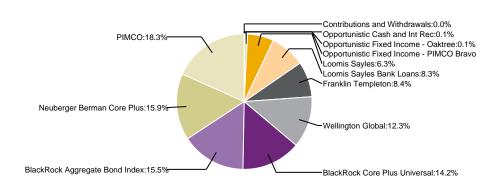
# **Total Fixed Income**

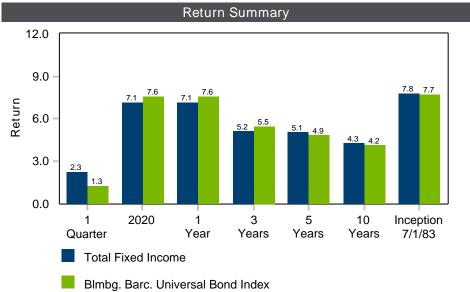


#### Total Fixed Income Portfolio Overview

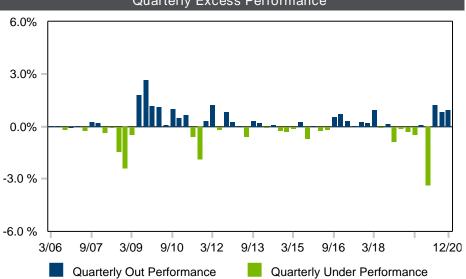
#### **Current Allocation**

December 31, 2020: \$4,059M

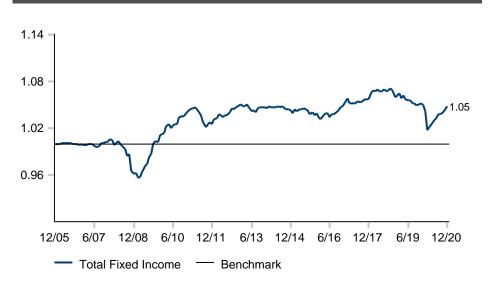




# **Quarterly Excess Performance**



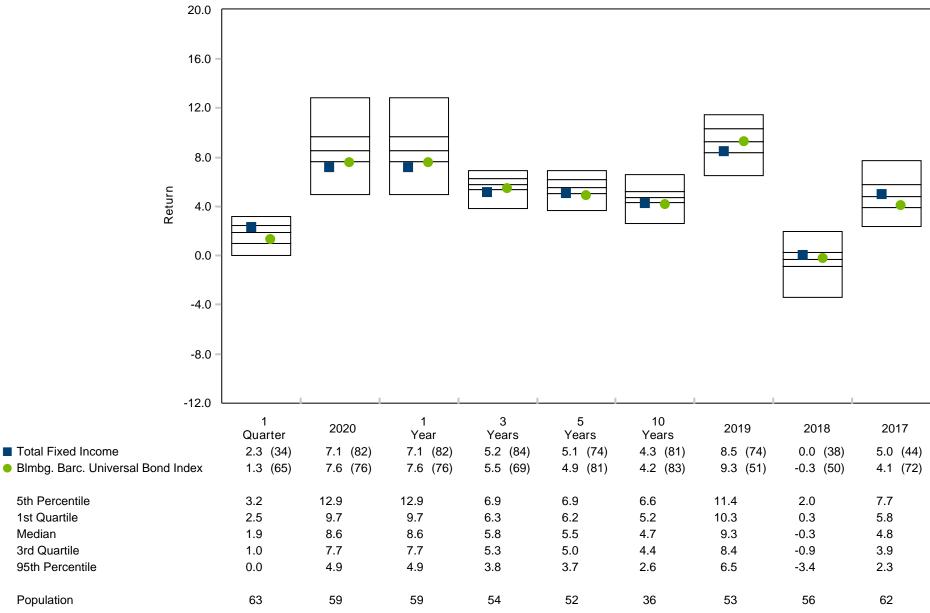
#### Ratio of Cumulative Wealth - 15 Years





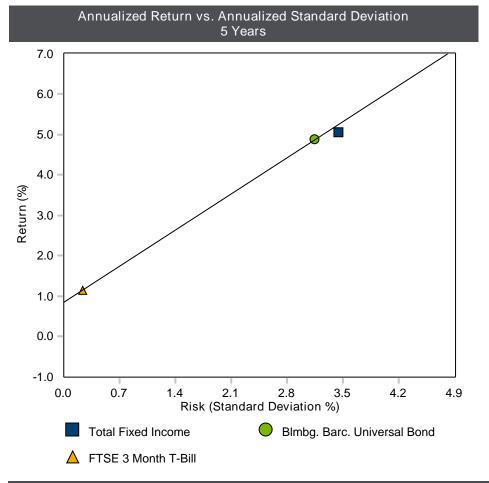
## Plan Sponsor Peer Group Analysis

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





# Total Fixed Income Risk Profile

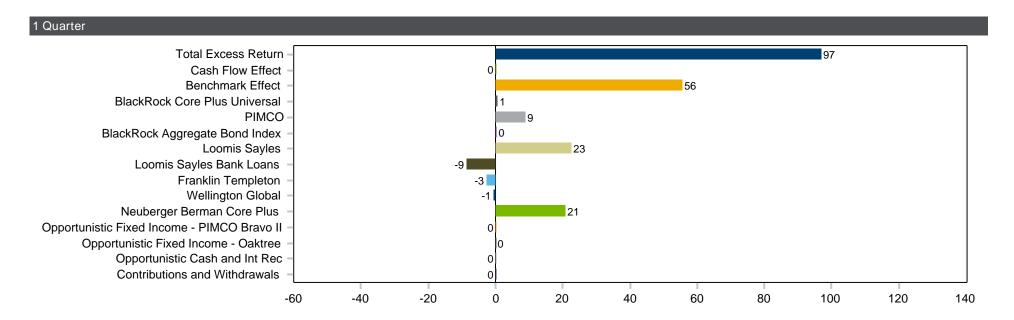


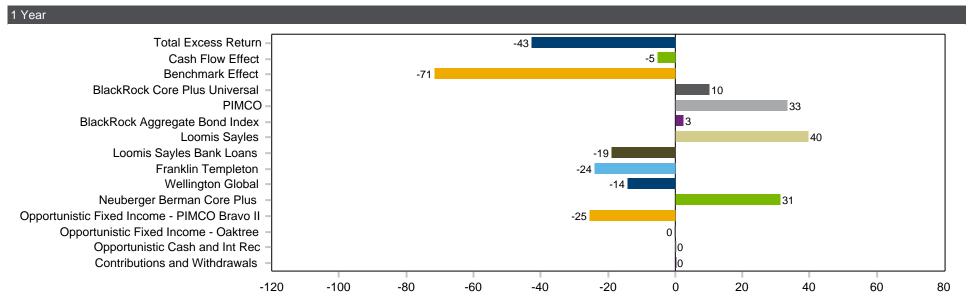


| 5 Years Historical Statistics |                  |                   |                      |           |                 |       |      |        |                       |                       |  |
|-------------------------------|------------------|-------------------|----------------------|-----------|-----------------|-------|------|--------|-----------------------|-----------------------|--|
|                               | Active<br>Return | Tracking<br>Error | Information<br>Ratio | R-Squared | Sharpe<br>Ratio | Alpha | Beta | Return | Standard<br>Deviation | Actual<br>Correlation |  |
| Total Fixed Income            | 0.19             | 1.57              | 0.12                 | 0.79      | 1.11            | 0.30  | 0.98 | 5.06   | 3.45                  | 0.89                  |  |
| Blmbg. Barc. Universal Bond   | 0.00             | 0.00              | N/A                  | 1.00      | 1.17            | 0.00  | 1.00 | 4.87   | 3.15                  | 1.00                  |  |
| FTSE 3 Month T-Bill           | -3.66            | 3.14              | -1.17                | 0.01      | N/A             | 1.13  | 0.01 | 1.16   | 0.24                  | 0.09                  |  |



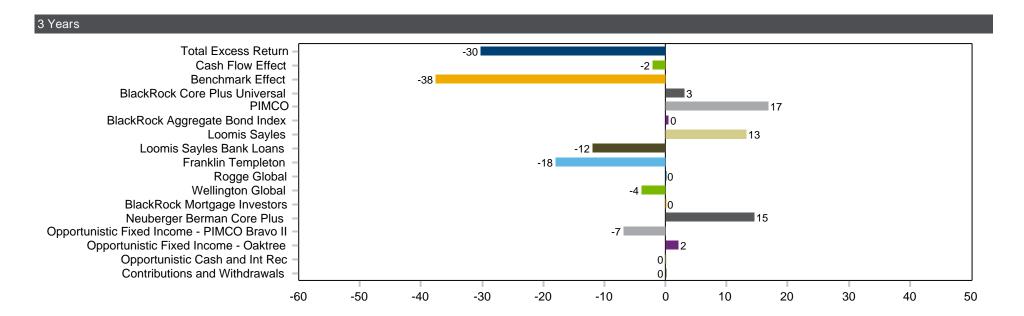
#### **Asset Class Attribution**

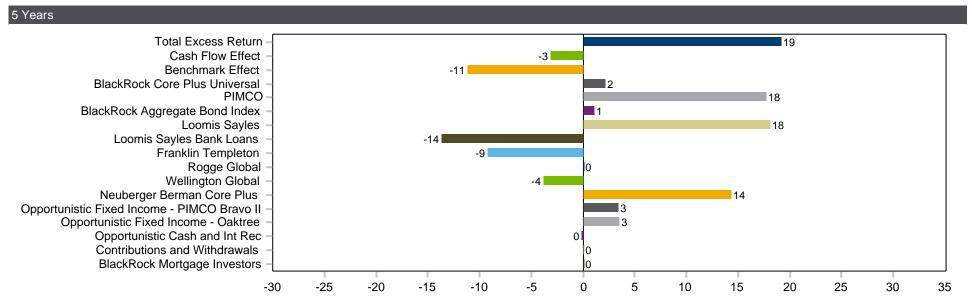






#### **Asset Class Attribution**







## BlackRock Aggregate Bond Index Performance Summary

#### **Account Information**

Account Name: BlackRock Aggregate Bond Index

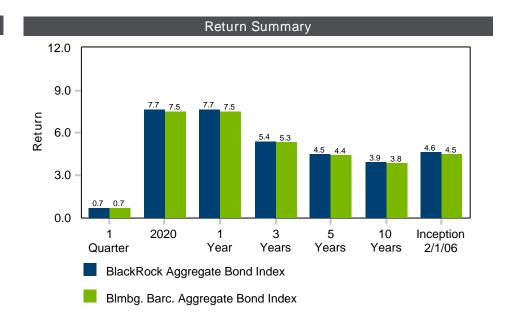
Inception Date: 02/01/2006

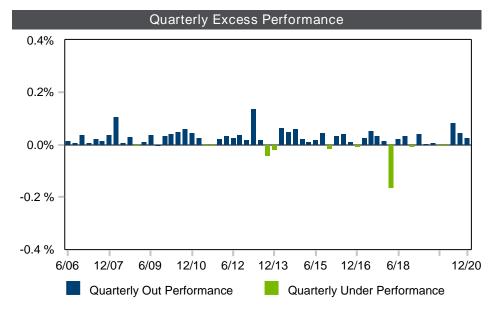
Account Structure: Commingled Fund

Asset Class: US Fixed Income

Benchmark: Blmbg. Barc. Aggregate Bond Index

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

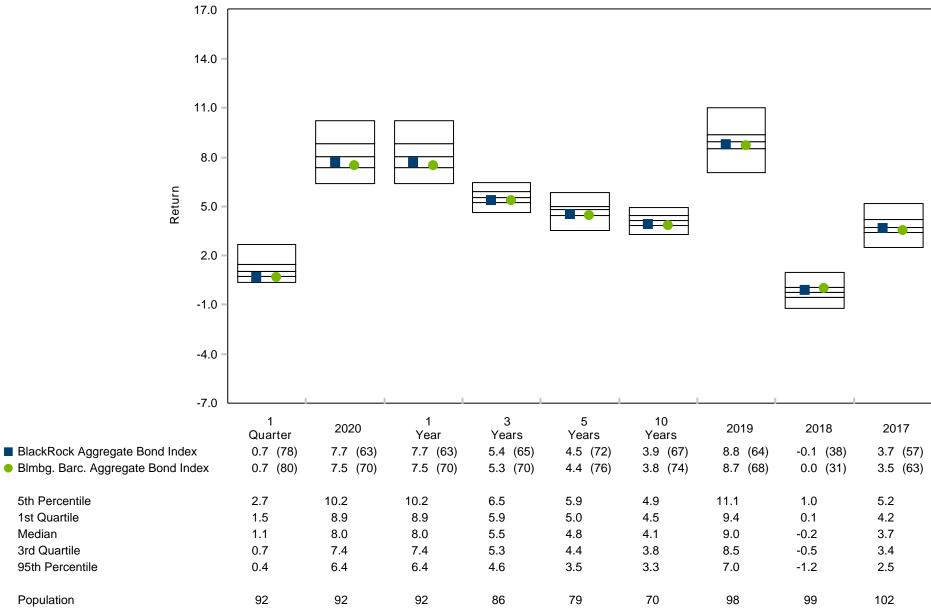




# Ratio of Cumulative Wealth - Since Inception 1.02 1.01 1.00 0.99 7/13 7/07 1/09 7/10 1/12 1/15 7/16 1/18 7/19 12/20 BlackRock Aggregate Bond Index Benchmark

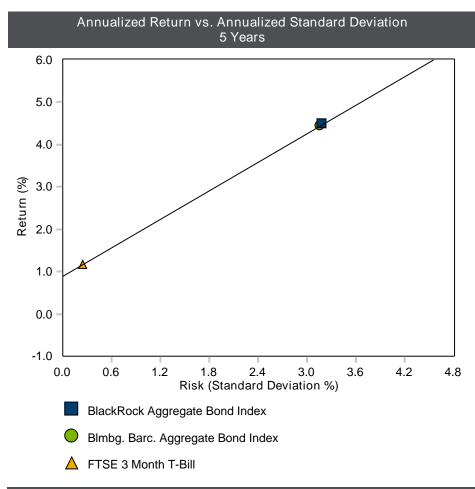


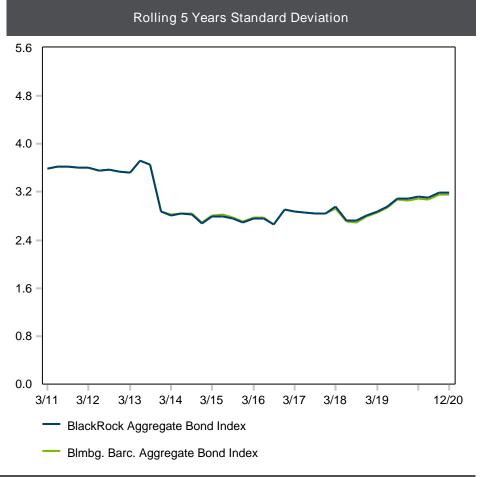
IM U.S. Broad Market Core Fixed Income (SA+CF)





# BlackRock Aggregate Bond Index Risk Profile





| 5 Years Historical Statistics     |                  |                   |                      |           |                 |       |      |        |                       |                       |  |  |
|-----------------------------------|------------------|-------------------|----------------------|-----------|-----------------|-------|------|--------|-----------------------|-----------------------|--|--|
|                                   | Active<br>Return | Tracking<br>Error | Information<br>Ratio | R-Squared | Sharpe<br>Ratio | Alpha | Beta | Return | Standard<br>Deviation | Actual<br>Correlation |  |  |
| BlackRock Aggregate Bond Index    | 0.06             | 0.10              | 0.61                 | 1.00      | 1.05            | 0.02  | 1.01 | 4.50   | 3.19                  | 1.00                  |  |  |
| Blmbg. Barc. Aggregate Bond Index | 0.00             | 0.00              | N/A                  | 1.00      | 1.04            | 0.00  | 1.00 | 4.44   | 3.16                  | 1.00                  |  |  |
| FTSE 3 Month T-Bill               | -3.24            | 3.13              | -1.04                | 0.03      | N/A             | 1.10  | 0.01 | 1.16   | 0.24                  | 0.17                  |  |  |



# BlackRock Core Plus Universal Performance Summary

#### **Account Information**

Account Name: BlackRock Core Plus Universal

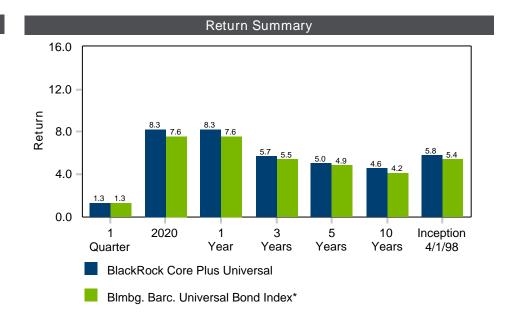
Inception Date: 04/01/1998

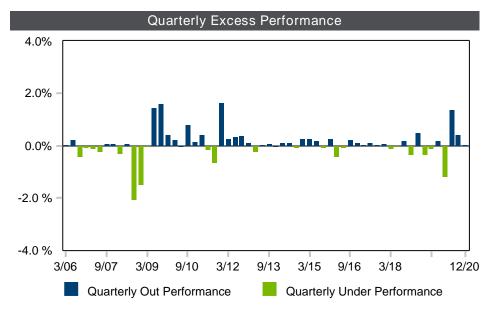
Account Structure: Separate Account

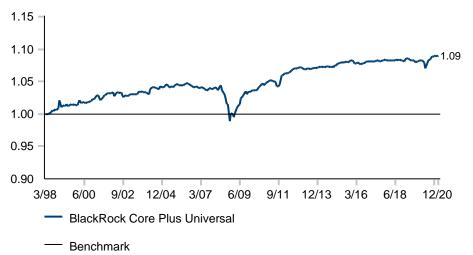
Asset Class: US Fixed Income

Benchmark: Blmbg. Barc. Universal Bond Index\*

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

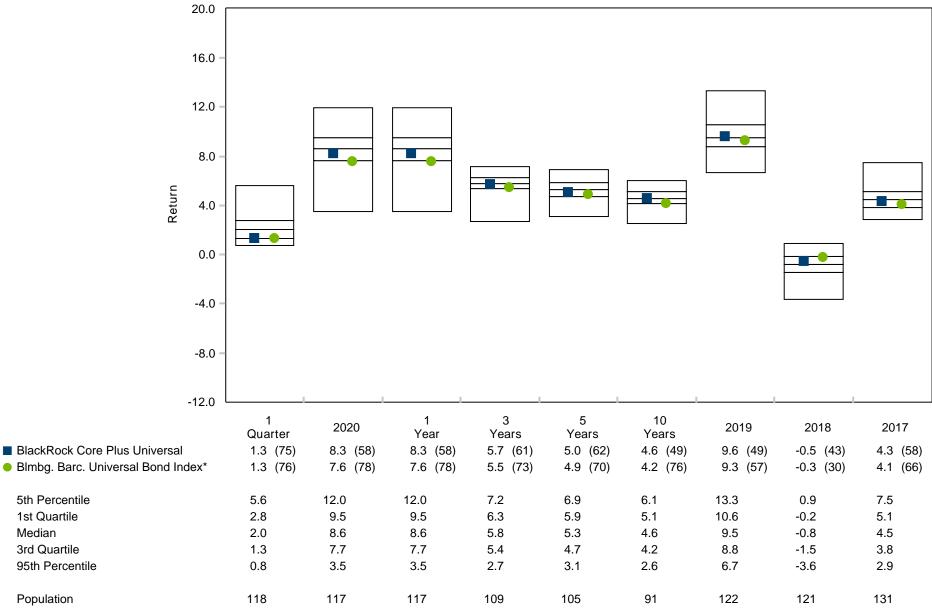






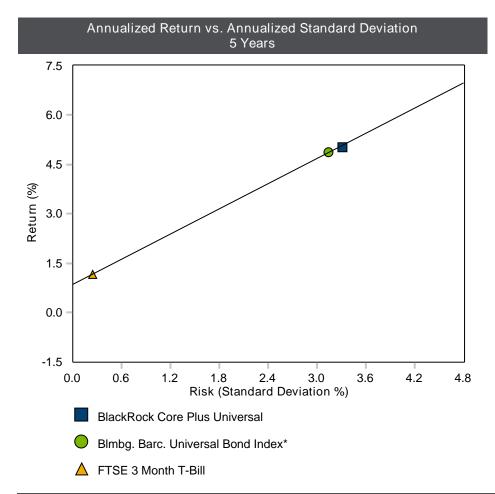


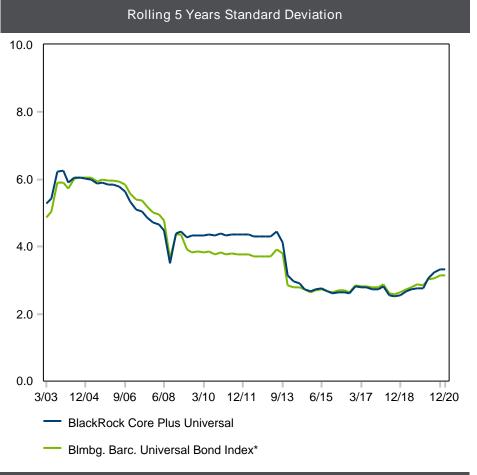
IM U.S. Broad Market Core+ Fixed Income (SA+CF)





# BlackRock Core Plus Universal Risk Profile





| 5 Years Historical Statistics      |                  |                   |                      |           |                 |       |      |        |                       |                       |  |
|------------------------------------|------------------|-------------------|----------------------|-----------|-----------------|-------|------|--------|-----------------------|-----------------------|--|
|                                    | Active<br>Return | Tracking<br>Error | Information<br>Ratio | R-Squared | Sharpe<br>Ratio | Alpha | Beta | Return | Standard<br>Deviation | Actual<br>Correlation |  |
| BlackRock Core Plus Universal      | 0.15             | 0.64              | 0.23                 | 0.96      | 1.15            | -0.03 | 1.04 | 5.02   | 3.32                  | 0.98                  |  |
| Blmbg. Barc. Universal Bond Index* | 0.00             | 0.00              | N/A                  | 1.00      | 1.17            | 0.00  | 1.00 | 4.87   | 3.15                  | 1.00                  |  |
| FTSE 3 Month T-Bill                | -3.66            | 3.14              | -1.17                | 0.01      | N/A             | 1.13  | 0.01 | 1.16   | 0.24                  | 0.09                  |  |



#### PIMCO Performance Summary

#### **Account Information**

Account Name: PIMCO

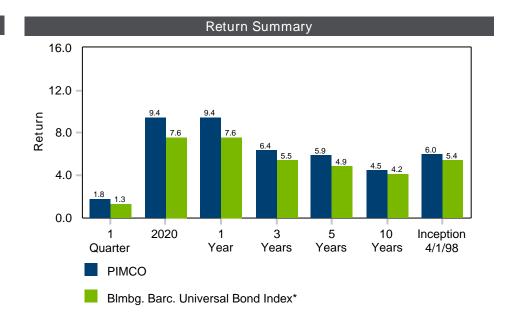
Inception Date: 04/01/1998

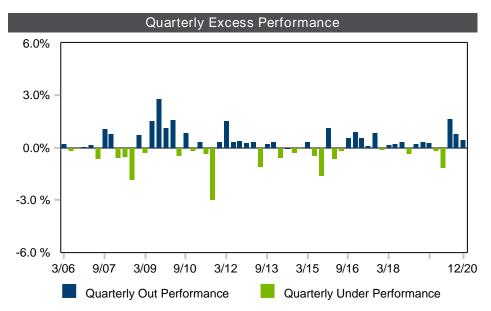
Account Structure: Separate Account

Asset Class: US Fixed Income

Benchmark: Blmbg. Barc. Universal Bond Index\*

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





# A. Manual Marie Contraction of the Contraction of t

Ratio of Cumulative Wealth - Since Inception



12/20

1.28

1.20

1.12

1.04

0.96

6/00

PIMCO

9/02

12/04

3/07

Benchmark

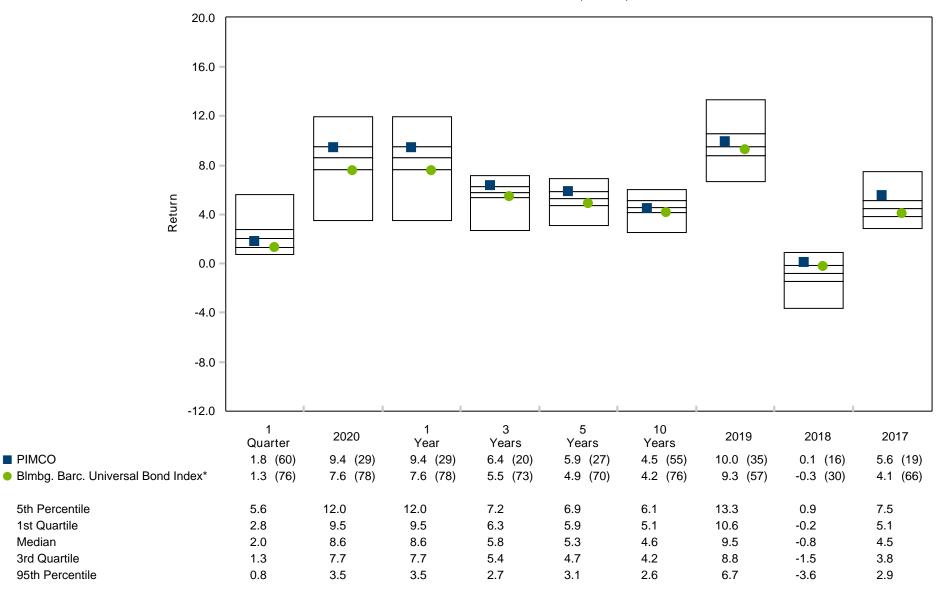
6/09

9/11 12/13

3/16

6/18

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



Parentheses contain percentile rankings.

118

117

■ PIMCO

5th Percentile

1st Quartile

3rd Quartile

Population

95th Percentile

Median



131

109

105

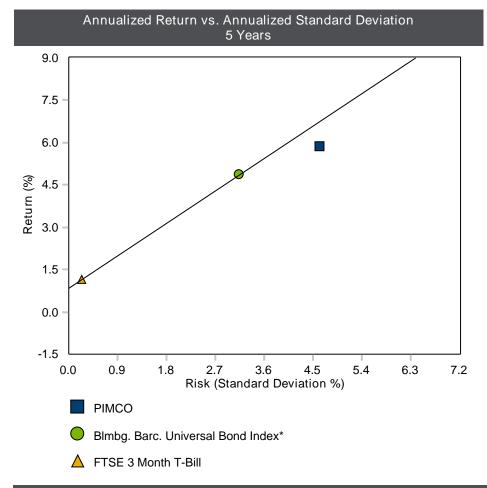
91

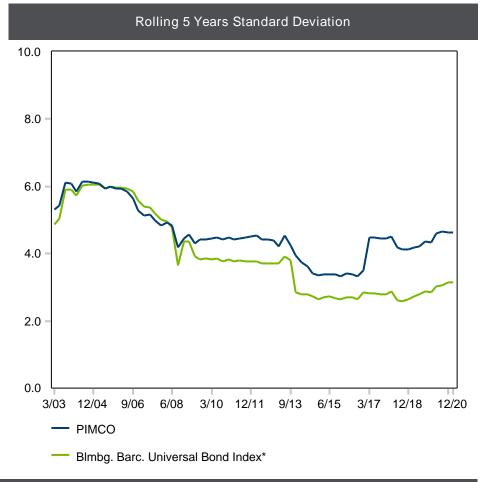
122

121

117

# PIMCO Risk Profile





| 5 Years Historical Statistics      |                  |                   |                      |           |                 |       |      |        |                       |                       |  |  |
|------------------------------------|------------------|-------------------|----------------------|-----------|-----------------|-------|------|--------|-----------------------|-----------------------|--|--|
|                                    | Active<br>Return | Tracking<br>Error | Information<br>Ratio | R-Squared | Sharpe<br>Ratio | Alpha | Beta | Return | Standard<br>Deviation | Actual<br>Correlation |  |  |
| PIMCO                              | 1.01             | 2.95              | 0.34                 | 0.60      | 1.01            | 0.35  | 1.14 | 5.87   | 4.62                  | 0.77                  |  |  |
| Blmbg. Barc. Universal Bond Index* | 0.00             | 0.00              | N/A                  | 1.00      | 1.17            | 0.00  | 1.00 | 4.87   | 3.15                  | 1.00                  |  |  |
| FTSE 3 Month T-Bill                | -3.66            | 3.14              | -1.17                | 0.01      | N/A             | 1.13  | 0.01 | 1.16   | 0.24                  | 0.09                  |  |  |



#### Neuberger Berman Core Plus Performance Summary

#### **Account Information**

Account Name: Neuberger Berman Core Plus

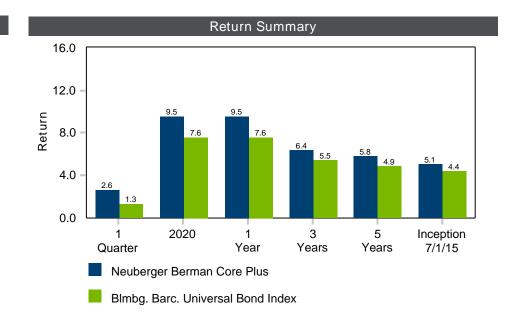
Inception Date: 07/01/2015

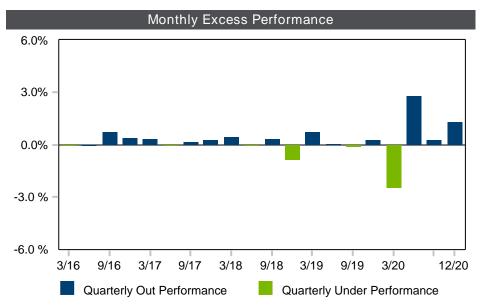
Account Structure: Separate Account

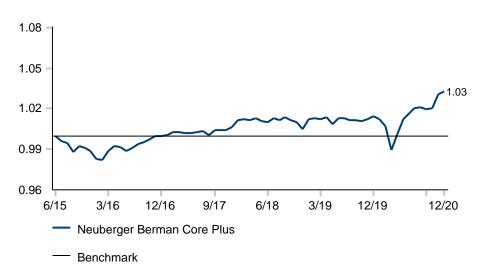
Asset Class: US Fixed Income

Benchmark: Barclays Universal

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

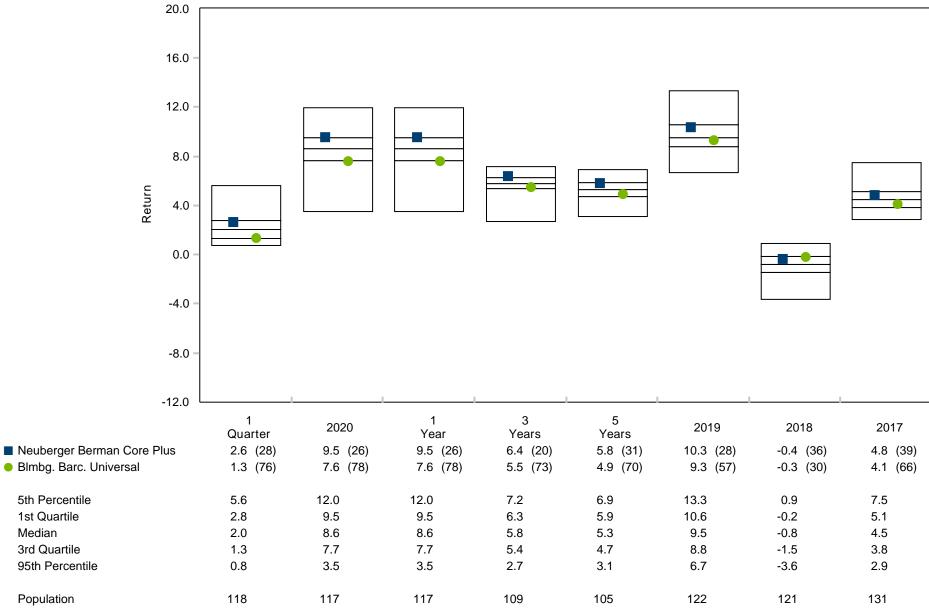






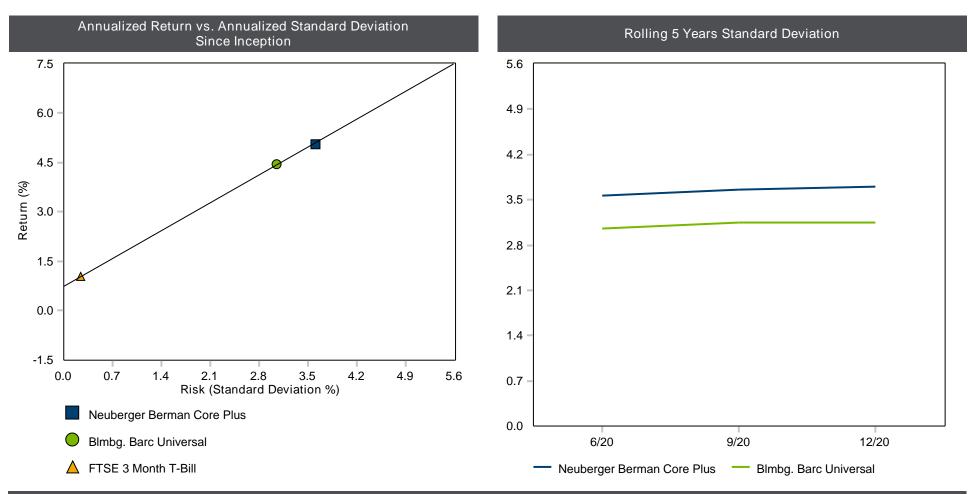


IM U.S. Broad Market Core+ Fixed Income (SA+CF)





# Neuberger Berman Core Plus Risk Profile



| Since Inception Historical Statistics |                  |                   |                      |           |                 |       |      |        |                       |                       |                   |
|---------------------------------------|------------------|-------------------|----------------------|-----------|-----------------|-------|------|--------|-----------------------|-----------------------|-------------------|
|                                       | Active<br>Return | Tracking<br>Error | Information<br>Ratio | R-Squared | Sharpe<br>Ratio | Alpha | Beta | Return | Standard<br>Deviation | Actual<br>Correlation | Inception<br>Date |
| Neuberger Berman Core Plus            | 0.61             | 1.45              | 0.42                 | 0.84      | 1.09            | 0.22  | 1.09 | 5.06   | 3.62                  | 0.92                  | 07/01/2015        |
| Blmbg. Barc Universal                 | 0.00             | 0.00              | N/A                  | 1.00      | 0.96            | 0.00  | 1.00 | 6.16   | 3.55                  | 1.00                  | 01/01/1990        |
| FTSE 3 Month T-Bill                   | -3.35            | 3.04              | -1.10                | 0.02      | N/A             | 1.01  | 0.01 | 1.06   | 0.25                  | 0.13                  | 07/01/2015        |



#### Loomis Sayles Performance Summary

#### **Account Information**

Account Name: Loomis Sayles

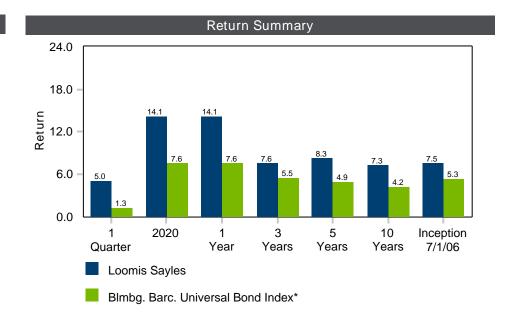
Inception Date: 07/01/2006

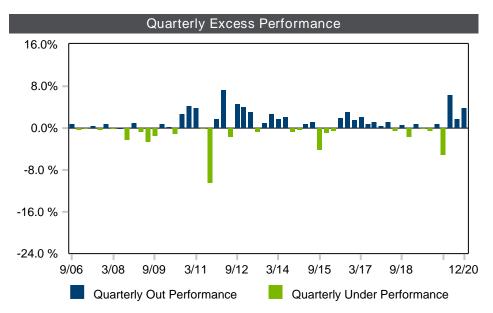
Account Structure: Separate Account

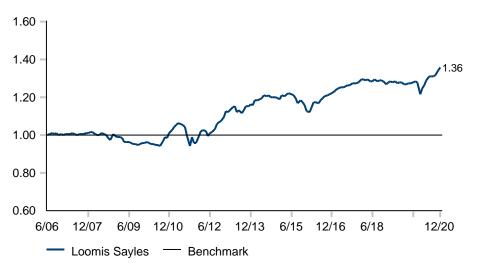
Asset Class: US Fixed Income

Benchmark: Blmbg. Barc. Universal Bond Index\*

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

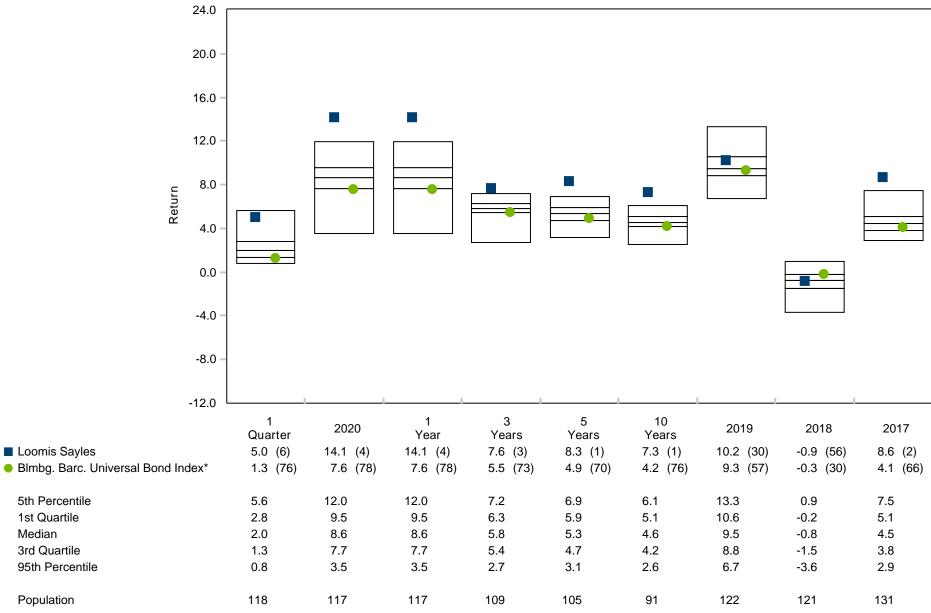






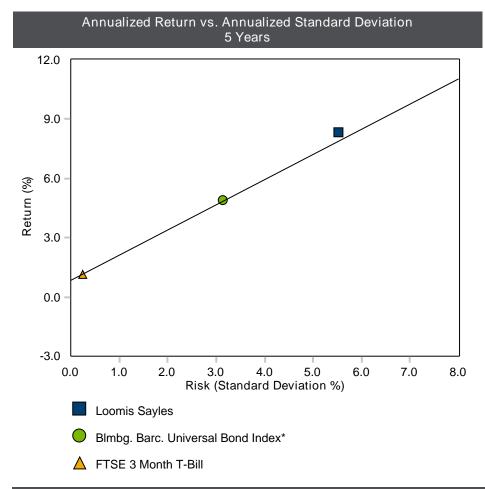


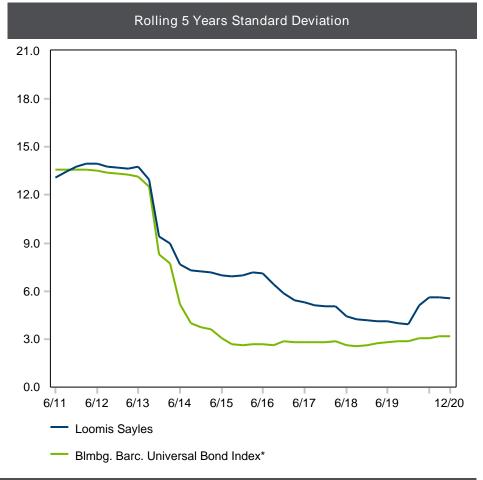
IM U.S. Broad Market Core+ Fixed Income (SA+CF)





# Loomis Sayles Risk Profile





| 5 Years Historical Statistics      |                  |                   |                      |           |                 |       |      |        |                       |                       |  |
|------------------------------------|------------------|-------------------|----------------------|-----------|-----------------|-------|------|--------|-----------------------|-----------------------|--|
|                                    | Active<br>Return | Tracking<br>Error | Information<br>Ratio | R-Squared | Sharpe<br>Ratio | Alpha | Beta | Return | Standard<br>Deviation | Actual<br>Correlation |  |
| Loomis Sayles                      | 3.34             | 3.96              | 0.84                 | 0.51      | 1.25            | 2.14  | 1.25 | 8.30   | 5.54                  | 0.71                  |  |
| Blmbg. Barc. Universal Bond Index* | 0.00             | 0.00              | N/A                  | 1.00      | 1.17            | 0.00  | 1.00 | 4.87   | 3.15                  | 1.00                  |  |
| FTSE 3 Month T-Bill                | -3.66            | 3.14              | -1.17                | 0.01      | N/A             | 1.13  | 0.01 | 1.16   | 0.24                  | 0.09                  |  |



#### Wellington Global Performance Summary

#### **Account Information**

Account Name: Wellington Global

Inception Date: 09/01/2014

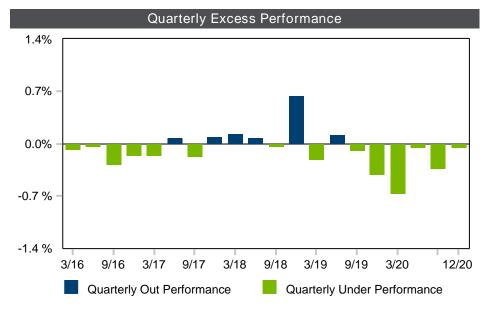
Account Structure: Separate Account

Asset Class: Global Fixed Income

Benchmark: Blmbg. Barc. Global Aggregate

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

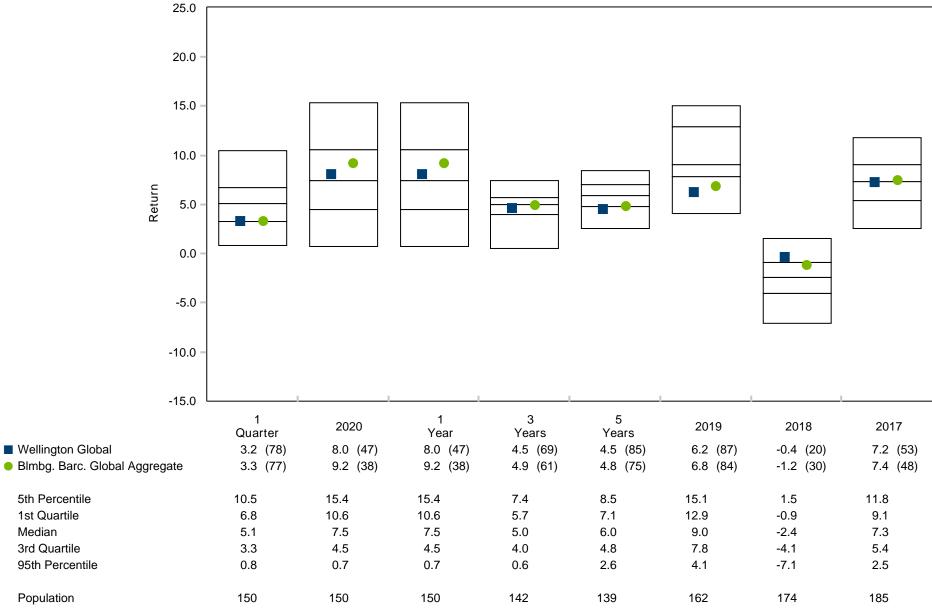






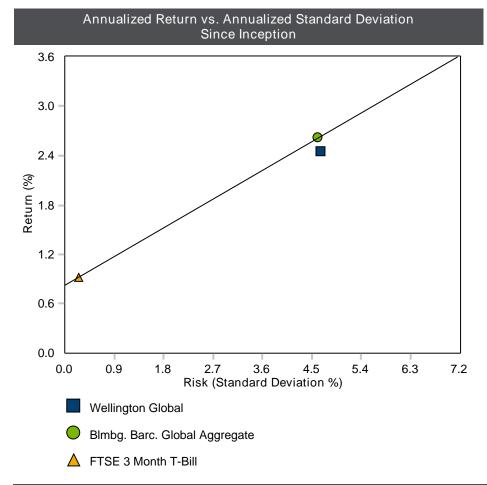


IM Global Fixed Income (SA+CF)





# Wellington Global Risk Profile





|                               |                  |                   | Since Ir             | nception Histo | rical Statis    | stics |      |        |                       |                       |                   |
|-------------------------------|------------------|-------------------|----------------------|----------------|-----------------|-------|------|--------|-----------------------|-----------------------|-------------------|
|                               | Active<br>Return | Tracking<br>Error | Information<br>Ratio | R-Squared      | Sharpe<br>Ratio | Alpha | Beta | Return | Standard<br>Deviation | Actual<br>Correlation | Inception<br>Date |
| Wellington Global             | -0.16            | 0.61              | -0.26                | 0.98           | 0.35            | -0.16 | 1.00 | 2.45   | 4.66                  | 0.99                  | 09/01/2014        |
| Blmbg. Barc. Global Aggregate | 0.00             | 0.00              | N/A                  | 1.00           | 0.57            | 0.00  | 1.00 | 5.71   | 5.29                  | 1.00                  | 01/01/1990        |
| FTSE 3 Month T-Bill           | -1.77            | 4.60              | -0.38                | 0.01           | N/A             | 0.91  | 0.00 | 0.92   | 0.25                  | 0.09                  | 09/01/2014        |



#### Loomis Sayles Bank Loans Performance Summary

#### **Account Information**

Account Name: Loomis Sayles Bank Loans

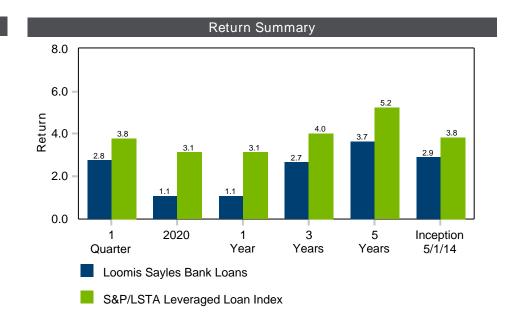
Inception Date: 05/01/2014

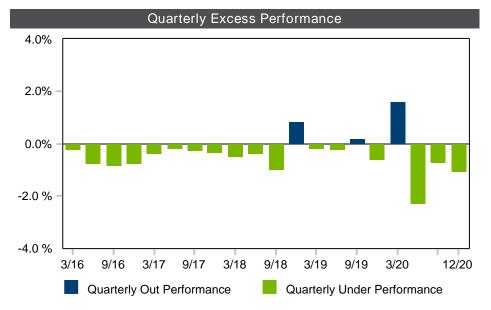
Account Structure: Separate Account

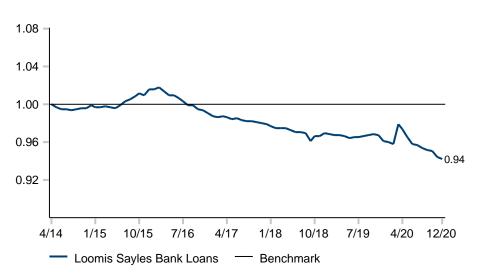
Asset Class: US Fixed Income

Benchmark: S&P/LSTA Leveraged Loan Index

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

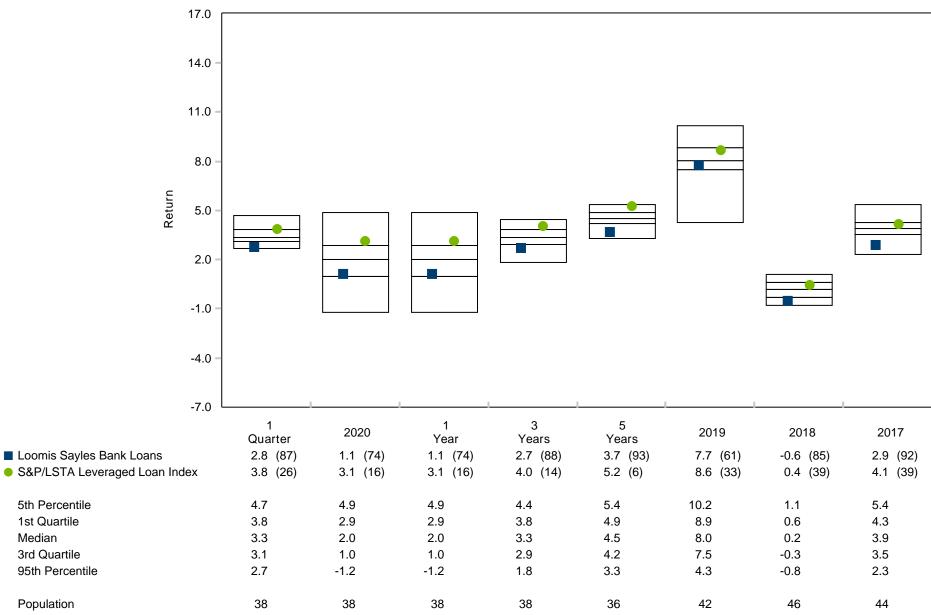






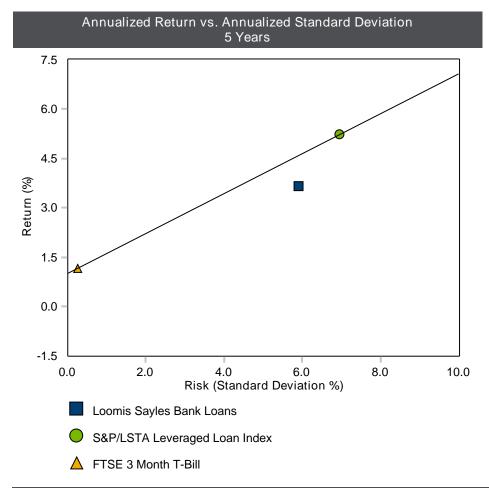


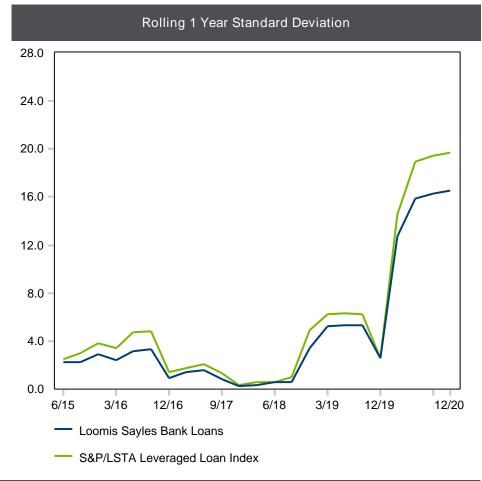
IM U.S. Bank Loans (SA+CF)





# Loomis Sayles Bank Loans Risk Profile





| 5 Years Historical Statistics |                  |                   |                      |           |                 |       |       |        |                       |                       |  |  |
|-------------------------------|------------------|-------------------|----------------------|-----------|-----------------|-------|-------|--------|-----------------------|-----------------------|--|--|
|                               | Active<br>Return | Tracking<br>Error | Information<br>Ratio | R-Squared | Sharpe<br>Ratio | Alpha | Beta  | Return | Standard<br>Deviation | Actual<br>Correlation |  |  |
| Loomis Sayles Bank Loans      | -1.59            | 1.29              | -1.23                | 0.99      | 0.44            | -0.75 | 0.84  | 3.65   | 5.92                  | 0.99                  |  |  |
| S&P/LSTA Leveraged Loan Index | 0.00             | 0.00              | N/A                  | 1.00      | 0.60            | 0.00  | 1.00  | 5.24   | 6.96                  | 1.00                  |  |  |
| FTSE 3 Month T-Bill           | -4.21            | 7.02              | -0.60                | 0.04      | N/A             | 1.20  | -0.01 | 1.16   | 0.24                  | -0.20                 |  |  |



#### Franklin Templeton Performance Summary

#### **Account Information**

Account Name: Franklin Templeton

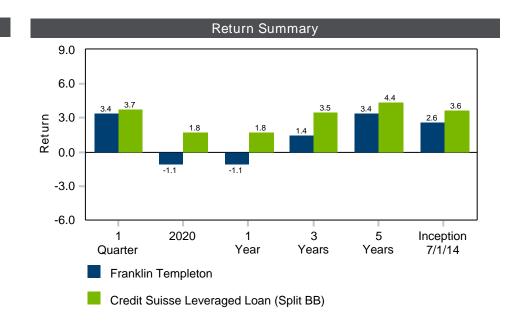
Inception Date: 07/01/2014

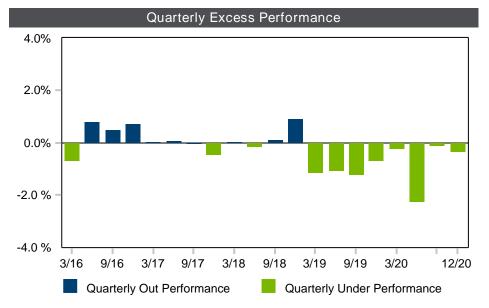
Account Structure: Separate Account

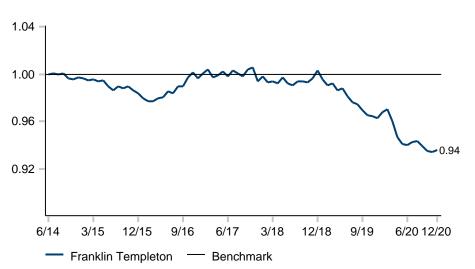
Asset Class: US Fixed Income

Benchmark: Credit Suisse Leveraged Loan (Split BB)

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

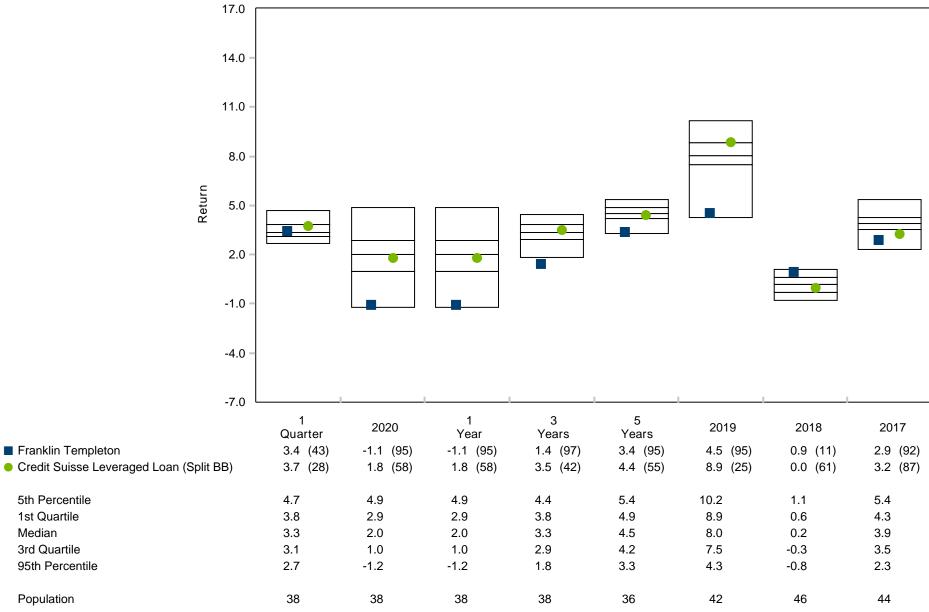






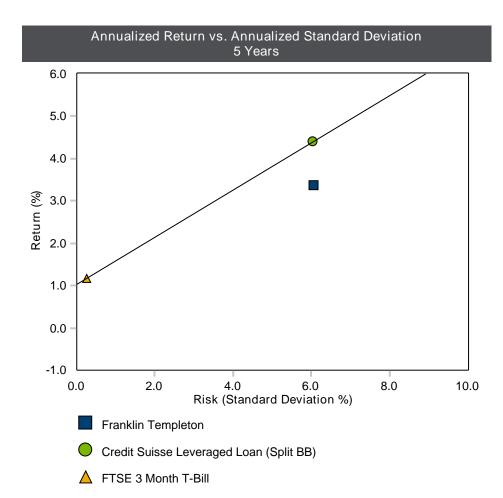


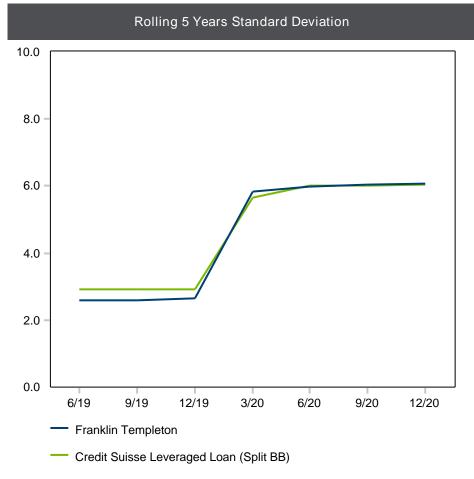
IM U.S. Bank Loans (SA+CF)





# Franklin Templeton Risk Profile





| 5 Years Historical Statistics           |                  |                   |                      |           |                 |       |       |        |                       |                       |  |  |
|---|------------------|-------------------|----------------------|-----------|-----------------|-------|-------|--------|-----------------------|-----------------------|--|--|
|   | Active<br>Return | Tracking<br>Error | Information<br>Ratio | R-Squared | Sharpe<br>Ratio | Alpha | Beta  | Return | Standard<br>Deviation | Actual<br>Correlation |  |  |
| Franklin Templeton                      | -1.00            | 1.62              | -0.62                | 0.93      | 0.38            | -0.85 | 0.97  | 3.35   | 6.07                  | 0.96                  |  |  |
| Credit Suisse Leveraged Loan (Split BB) | 0.00             | 0.00              | N/A                  | 1.00      | 0.55            | 0.00  | 1.00  | 4.39   | 6.04                  | 1.00                  |  |  |
| FTSE 3 Month T-Bill                     | -3.34            | 6.09              | -0.55                | 0.03      | N/A             | 1.19  | -0.01 | 1.16   | 0.24                  | -0.18                 |  |  |



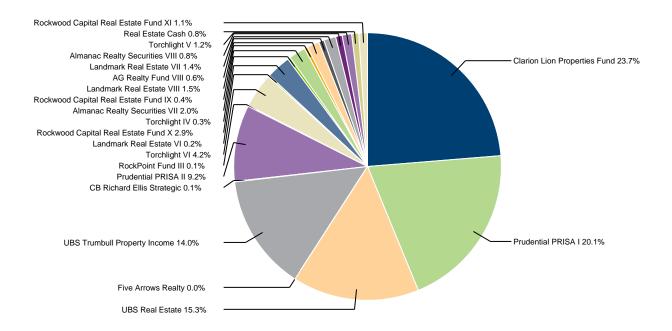


# **Total Real Estate**



# Asset Allocation by Plan

December 31, 2020 : \$819,747,686





#### **Defined Benefit Plan**

# **Investment Watchlist Summary**

DB Plan

**Investment Watchlist Summary** 

|                                  | 1  | 2  | 3  | 4  | 5                                     | 6                                       |                        | st Status              |
|----------------------------------|--|--|--|--|---------------------------------------|---|------------------------|------------------------|
|                                  | Underperformed<br>During Trailing<br>5 Years | Underperformed<br>in 3 of 4<br>Trailing Calendar<br>Quarters | Diverged from<br>Strategy and/or<br>Portfolio<br>Characteristics | Adverse<br>Change in<br>Portfolio<br>Manager | Weak<br>Manager<br>Research<br>Rating | Significant<br>Organizational<br>Change | 4th<br>Quarter<br>2020 | 3rd<br>Quarter<br>2020 |
| DFA                              | Yes  | Yes  | 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                      | N/A  | No   | No   | No   | No                                    | No                                      |                        |                        |
| MFS                              | No   | No   | No   | No   | No                                    | No                                      |                        |                        |
| Wellingtion Equity               | N/A  | Yes  | 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  | Yes  | No   | No   | No                                    | Yes                                     |                        |                        |
| Wellington Global                | Yes  | 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                          |





# Defined Contribution Option and Deferred Compensation



|  | Allocation              | 1     |              |           | ı          | Performance( | %)          |                    |                   |
|--|-------------------------|-------|--------------|-----------|------------|--------------|-------------|--------------------|-------------------|
|  | Market<br>Value<br>(\$) | %     | 1<br>Quarter | 1<br>Year | 3<br>Years | 5<br>Years   | 10<br>Years | Since<br>Inception | Inception<br>Date |
| Total Defined Cont. & Deferred Comp.                 | 1,293,628,232           | 100.0 |              |           |            |              |             |                    |                   |
| Tier I - Asset Allocation Funds                      | 640,462,899             | 49.5  |              |           |            |              |             |                    |                   |
| LifePath Index Retirement Fund                       | 3,570,634               | 0.3   | -            | -         | -          | -            | -           | -                  | 01/01/2021        |
| BlackRock LifePath Index Retirement Custom Benchmark |                         |       | -            | -         | -          | -            | -           | -                  |                   |
| LifePath Index 2025 Fund                             | 2,520,766               | 0.2   | -            | -         | -          | -            | -           | -                  | 01/01/2021        |
| BlackRock LifePath Index 2025 Custom Benchmark       |                         |       | -            | -         | -          | -            | -           | -                  |                   |
| LifePath Index 2030 Fund                             | 2,717,579               | 0.2   | -            | -         | -          | -            | -           | -                  | 01/01/2021        |
| BlackRock LifePath Index 2030 Custom Benchmark       |                         |       | -            | -         | -          | -            | -           | -                  |                   |
| LifePath Index 2035 Fund                             | 1,898,202               | 0.1   | -            | -         | -          | -            | -           | -                  | 01/01/2021        |
| BlackRock LifePath Index 2035 Custom Benchmark       | , ,                     |       | -            | -         | -          | -            | -           | -                  |                   |
| LifePath Index 2040 Fund                             | 1,517,910               | 0.1   | -            | -         | -          | -            | -           | -                  | 01/01/2021        |
| BlackRock LifePath Index 2040 Custom Benchmark       | 1,011,010               | 0     | -            | -         | -          | -            | -           | -                  | 0 1/0 1/2021      |
| LifePath Index 2045 Fund                             | 619,186                 | 0.0   | _            | -         | _          | _            | -           | _                  | 01/01/2021        |
| BlackRock LifePath Index 2045 Custom Benchmark       | 010,100                 | 0.0   | -            | -         | -          | -            | -           | -                  | 01/01/2021        |
| LifePath Index 2050 Fund                             | 464,811                 | 0.0   | -            | -         | -          | -            | -           | -                  | 01/01/2021        |
| BlackRock LifePath Index 2050 Custom Benchmark       | 10 1,0 1                | 0.0   | -            | -         | -          | -            | -           | -                  | 0 1/0 1/2021      |
| LifePath Index 2055 Fund                             | 19.762                  | 0.0   | -            | -         | -          | -            | -           | -                  | 01/01/2021        |
| BlackRock LifePath Index 2055 Custom Benchmark       | 10,102                  | 0.0   | -            | -         | -          | -            | -           | -                  | 0 1/0 1/2021      |
| LifePath Index 2060 Fund                             | 194.823                 | 0.0   | -            | -         | -          | -            | -           | -                  | 01/01/2021        |
| BlackRock LifePath Index 2060 Custom Benchmark       | 10 1,020                | 0.0   | -            | -         | -          | -            | -           | -                  | 0 1/0 1/2021      |
| LifePath Index 2065 Fund                             | 188,434                 | 0.0   | -            | -         | -          | -            | -           | -                  | 01/01/2021        |
| BlackRock LifePath Index 2065 Custom Benchmark       | ,                       |       | -            | -         | -          | -            | -           | -                  |                   |
| Conservative Premixed                                | 66,331,350              | 5.1   | 4.2          | 9.5       | 6.6        | 6.6          | 5.6         | 5.2                | 09/01/1999        |
| Conservative Policy                                  |                         |       | 4.4          | 9.5       | 6.7        | 6.4          | 5.5         | 5.0                |                   |
| Moderate Premixed                                    | 431,471,317             | 33.4  | 8.4          | 13.8      | 9.0        | 9.4          | 8.1         | 6.4                | 09/01/1999        |
| Moderate Policy                                      |                         |       | 8.3          | 13.2      | 9.0        | 9.4          | 8.0         | 6.3                |                   |
| Aggressive Premixed                                  | 104,313,087             | 8.1   | 12.0         | 15.8      | 10.4       | 11.6         | 10.0        | 6.8                | 09/01/1999        |
| Aggressive Policy                                    |                         |       | 12.2         | 15.5      | 10.5       | 11.6         | 9.9         | 6.8                |                   |
| Investor Select Fund                                 | 24,635,038              | 1.9   | 10.9         | 13.5      | 9.2        | 10.1         | 9.0         | 7.7                | 10/01/2005        |
| Performance Benchmark                                |                         |       | 10.8         | 13.2      | 9.3        | 10.3         | 8.8         | 7.4                |                   |



### As of December 31, 2020

|   | Allocation              | 1    |              |           |            | Performance( | (%)         |                    |                   |
|---|-------------------------|------|--------------|-----------|------------|--------------|-------------|--------------------|-------------------|
|   | Market<br>Value<br>(\$) | %    | 1<br>Quarter | 1<br>Year | 3<br>Years | 5<br>Years   | 10<br>Years | Since<br>Inception | Inception<br>Date |
| Tier II - Passive Funds                         | 434,787,168             | 33.6 |              |           |            |              |             |                    |                   |
| U.S. Bond Index Fund                            | 24,650,867              | 1.9  | 0.7          | 7.5       | 5.3        | 4.4          | 3.9         | 5.1                | 01/01/1998        |
| Blmbg. Barc. U.S. Aggregate                     |                         |      | 0.7          | 7.5       | 5.3        | 4.4          | 3.8         | 5.0                |                   |
| U.S. Total Stock Market Index Fund              | 15,406,683              | 1.2  | -            | -         | -          | -            | -           | -                  | 01/01/2021        |
| Dow Jones U.S. Total Stock Market Index         |                         |      | -            | -         | -          | -            | -           | -                  |                   |
| S&P 500 Index                                   | 224,310,049             | 17.3 | 12.1         | 18.5      | 14.2       | 15.2         | 13.9        | 8.1                | 01/01/1998        |
| S&P 500 Index                                   |                         |      | 12.1         | 18.4      | 14.2       | 15.2         | 13.9        | 8.1                |                   |
| Large Company Growth Fund                       | 95,093,556              | 7.4  | 11.4         | 38.6      | 22.9       | 20.9         | 17.2        | 7.6                | 10/01/1999        |
| Russell 1000 Growth Index                       |                         |      | 11.4         | 38.5      | 23.0       | 21.0         | 17.2        | 7.6                |                   |
| Large Company Value Fund                        | 40,533,860              | 3.1  | 16.2         | 2.8       | 6.1        | 9.8          | 10.6        | 7.1                | 10/01/1999        |
| Russell 1000 Value Index                        |                         |      | 16.3         | 2.8       | 6.1        | 9.7          | 10.5        | 7.0                |                   |
| International Stock Index Fund (IMI)            | 1,705,231               | 0.1  | -            | -         | -          | -            | -           | -                  | 01/01/2021        |
| MSCI AC World ex USA IMI (Net)                  |                         |      | -            | -         | -          | -            | -           | -                  |                   |
| International Stock Index Fund                  | 33,086,922              | 2.6  | 17.1         | 10.8      | 5.1        | 9.2          | 5.0         | 5.9                | 07/01/2005        |
| MSCI AC World ex USA Index (Net)                |                         |      | 17.0         | 10.7      | 4.9        | 8.9          | 4.9         | 5.8                |                   |
| Tier III - Active Funds                         | 218,378,165             | 16.9 |              |           |            |              |             |                    |                   |
| Money Market Fund                               | 14,831,147              | 1.1  | 0.0          | 0.6       | 1.6        | 1.3          | 0.7         | 2.1                | 01/01/1998        |
| Blmbg. Barc. U.S. Treasury Bellwethers: 3 month |                         |      | 0.0          | 0.7       | 1.6        | 1.2          | 0.6         | 2.0                |                   |
| Stable Value Fund                               | 144,157,622             | 11.1 | 0.5          | 2.2       | 2.2        | 2.1          | 2.3         | 3.9                | 01/01/1997        |
| 90 Day U.S. Treasury Bill                       |                         |      | 0.0          | 0.7       | 1.6        | 1.2          | 0.6         | 2.1                |                   |
| U.S. Core Plus Bond Fund                        | 1,911,103               | 0.1  | -            | -         | -          | -            | -           | -                  | 01/01/2021        |
| Blmbg. Barc. U.S. Aggregate                     |                         |      | -            | -         | -          | -            | -           | -                  |                   |
| Small Company Stock Fund                        | 51,786,726              | 4.0  | 28.7         | 11.2      | 5.5        | 10.1         | 10.3        | 9.3                | 01/01/2001        |
| Russell 2000 Index                              |                         |      | 31.4         | 20.0      | 10.2       | 13.3         | 11.2        | 8.7                |                   |
| Global Equity Fund                              | 5,691,567               | 0.4  | -            | -         | -          | -            | -           | -                  | 01/01/2021        |
| MSCI AC World Index (Net)                       |                         |      | -            | -         | -          | -            | -           | -                  |                   |



## **Premixed Funds**

|   | Employee<br>Conservative<br>Premixed | Employee<br>Moderate<br>Premixed | Employee<br>Aggressive<br>Premixed | Investor<br>Select<br>Fund |
|---|--------------------------------------|----------------------------------|------------------------------------|----------------------------|
| Allocation to Underlying Funds            |                                      |                                  |                                    |                            |
| DFA Small-Cap Portfolio                   | 4.0%                                 | 8.0%                             | 12.0%                              | 3.2%                       |
| BlackRock Russell 1000 Index Fund         |                                      |                                  |                                    | 28.8                       |
| BlackRock U.S. Equity Market Index        | 16.0                                 | 32.0                             | 48.0                               |                            |
| BlackRock All Country World Ex-U.S. Index | 5.0                                  | 10.0                             | 15.0                               | 11.5                       |
| MFS Global Equity Fund                    |                                      |                                  |                                    | 19.0                       |
| PIMCO Total Return Fund                   |                                      |                                  |                                    | 12.2                       |
| BlackRock Core Plus                       |                                      |                                  |                                    | 10.0                       |
| BlackRock U.S. Debt Index                 | 60.0                                 | 50.0                             | 25.0                               | 7.8                        |
| SSgA Money Market                         | 15.0                                 |                                  |                                    |                            |
| Goldman Sachs Real Estate                 |                                      | -                                |                                    | 7.5                        |
| Total Fund Assets                         | 100.0%                               | 100.0%                           | 100.0%                             | 100.0%                     |

The Premixed Funds' Target allocations to the underlying mutual funds are shown in the table above. As illustrated, the Conservative Fund allocates 25% of assets to stocks, 60% to bonds, and 15% to cash; the Moderate Fund allocates 50% of assets to stocks and 50% to bonds, while the Aggressive Fund allocates 75% to stocks and 25% to bonds. The Investor Select Fund allocates 62.5% to stocks, 30% to bonds, and 7.5% to real estate.



### **Defined Cont. and Deferred Comp. Plan**

# **Investment Watchlist Summary**

DC Plan

**Investment Watchlist Summary** 

|                                      | 1  | 2  | 3  | 4  | . 5                                   | 6                                       | Watch List Status      |                 |
|--------------------------------------|--|--|--|--|---------------------------------------|---|------------------------|-----------------|
|                                      | Underperformed<br>During Trailing<br>5 Years | Underperformed<br>in 3 of 4<br>Trailing Calendar<br>Quarters | Diverged from<br>Strategy and/or<br>Portfolio<br>Characteristics | Adverse<br>Change in<br>Portfolio<br>Manager | Weak<br>Manager<br>Research<br>Rating | Significant<br>Organizational<br>Change | 4tn<br>Quarter<br>2020 | Quarter<br>2020 |
| BlackRock LifePath Index Funds       | 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                                      |                        |                 |
| S&P 500 Index                        | No   | No   | No   | No   | No                                    | No                                      |                        |                 |
| Large Company Growth Fund            | Yes  | No   | No   | No   | No                                    | No                                      |                        |                 |
| Large Company Value Fund             | No   | No   | No   | No   | No                                    | No                                      |                        |                 |
| International Stock Index Fund       | No   | No   | No   | No   | No                                    | No                                      |                        |                 |
| International Stock Index Fund (IMI) | No   | No   | No   | No   | No                                    | No                                      |                        |                 |
| Money Market Fund                    | 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                                      |                        |                 |
| Small Company Stock Fund             | Yes  | Yes  | No   | No   | No                                    | No                                      |                        |                 |
| Global Equity Fund                   | N/A  | 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                          |





# **Total Cash Balance Benefit**



|                                     | AI                      | location |           |              |           |            | Performance( | (%)         |                    |                   |
|-------------------------------------|-------------------------|----------|-----------|--------------|-----------|------------|--------------|-------------|--------------------|-------------------|
|                                     | Market<br>Value<br>(\$) | %        | Policy(%) | 1<br>Quarter | 1<br>Year | 3<br>Years | 5<br>Years   | 10<br>Years | Since<br>Inception | Inception<br>Date |
| Total Cash Balance Benefit Plan     | 2,644,815,621           | 100.0    | 100.0     | 11.2         | 12.6      | 8.7        | 10.2         | 8.9         | 8.2                | 01/01/2003        |
| Policy Benchmark                    |                         |          |           | 10.2         | 14.0      | 9.5        | 10.6         | 9.0         | 8.4                |                   |
| Total U.S. Equity                   | 767,673,655             | 29.0     | 27.5      | 15.0         | 20.2      | 14.0       | 15.1         | 13.6        | 10.9               | 01/01/2003        |
| Dow Jones U.S. Total Stock Market   |                         |          |           | 14.8         | 20.8      | 14.4       | 15.4         | 13.7        | 11.1               |                   |
| Dimensional Fund Advisors           | 69,728,351              | 2.6      |           | 29.2         | 11.5      | 6.0        | 10.6         | 10.5        | 9.4                | 10/01/2004        |
| Russell 2000 Index*                 |                         |          |           | 31.4         | 20.0      | 10.2       | 13.3         | 10.9        | 8.8                |                   |
| BlackRock Russell 1000 Index        | 697,945,304             | 26.4     |           | 13.8         | 21.1      | 14.9       | 15.6         | 14.0        | 9.6                | 10/01/2007        |
| Russell 1000 Index                  |                         |          |           | 13.7         | 21.0      | 14.8       | 15.6         | 14.0        | 9.5                |                   |
| Total Non-U.S. Equity               | 303,132,153             | 11.5     | 11.5      | 17.2         | 11.3      | 5.1        | 9.4          | 5.6         | 7.8                | 01/01/2003        |
| MSCI All Country World ex-U.S. IMI* |                         |          |           | 17.2         | 11.1      | 4.8        | 9.0          | 5.1         | 8.4                |                   |
| BlackRock ACWI ex-U.S. IMI Index    | 303,132,153             | 11.5     |           | 17.2         | 11.3      | 5.1        |              |             | 5.9                | 12/01/2017        |
| MSCI AC World ex USA IMI (Net)      |                         |          |           | 17.2         | 11.1      | 4.8        |              |             | 5.5                |                   |
| Total Global Equity                 | 543,395,861             | 20.5     | 19.0      | 20.0         | 14.9      | 9.2        | 11.9         | 9.7         | 8.4                | 09/01/2005        |
| MSCI All Country World IMI*         |                         |          |           | 15.7         | 16.3      | 9.7        | 12.1         | 9.1         | 7.5                |                   |
| MFS                                 | 174,574,222             | 6.6      |           | 14.8         | 14.2      | 10.8       | 12.7         | 11.3        | 9.8                | 10/01/2005        |
| MSCI All Country World IMI*         |                         |          |           | 15.7         | 16.3      | 9.7        | 12.1         | 9.1         | 7.3                |                   |
| Arrowstreet                         | 170,746,099             | 6.5      |           | 19.3         | 21.8      | 11.5       |              |             | 15.3               | 09/01/2016        |
| MSCI AC World IMI (Net)             |                         |          |           | 15.7         | 16.3      | 9.7        |              |             | 12.6               |                   |
| Wellington Equity                   | 59,502,950              | 2.2      |           | 30.1         | 14.1      | 6.5        |              |             | 11.4               | 09/01/2016        |
| MSCI AC World Small Cap (Net)       |                         |          |           | 23.7         | 16.3      | 7.5        |              |             | 11.2               |                   |
| Dodge & Cox                         | 138,572,590             | 5.2      |           | 24.1         | 6.0       | 4.7        |              |             | 6.8                | 07/01/2017        |
| MSCI AC World IMI (Net)             |                         |          |           | 15.7         | 16.3      | 9.7        |              |             | 11.6               |                   |



| Market Value (S)         %         Policy(%)         1 quarter         1 quarter         3 years         5 quarter         10 person           Total Fixed Income         737,473,930         27.9         30.0         2.2         7.0         5.1         5.0         4.2         4.8           Blmbg. Barc. Universal Bond Index*         1.3         7.6         5.5         4.9         4.2         4.7           Blmbg. Barc. Universal Bond Index*         1.3         7.6         5.5         4.9         4.2         4.7           PIMCO         130,397,194         4.9         1.8         9.4         6.4         5.9         4.5         5.3           Blmbg. Barc. Universal Bond Index*         1.3         7.6         5.5         4.9         4.2         4.7           Blmbg. Barc. Universal Bond Index*         1.3         7.6         5.5         4.9         4.2         4.7           BlackRock Aggregate Bond Index         109,871,832         4.2         0.7         7.7         5.4         4.5         3.9         4.8           Bimbg. Barc. Universal Bond Index         1.7         5.0         14.1         7.6         8.3         7.3         7.5           Bilmbg. Barc. Universal Bond Index*         1.7 | Inception Date 01/01/2003 01/01/2003 03/01/2005 |
|---|---|
| Blmbg. Barc. Universal Bond Index*   1.3   7.6   5.5   4.9   4.2   4.7  | 01/01/2003                                      |
| BlackRock Core Plus Universal   100,681,509   3.8   1.3   8.3   5.7   5.0   4.6   5.1   |   |
| Blmbg. Barc. Universal Bond Index*   1.3   7.6   5.5   4.9   4.2   4.7  |   |
| PIMCO         130,397,194         4.9         1.8         9.4         6.4         5.9         4.5         5.3           Blmbg. Barc. Universal Bond Index*         109,871,832         4.2         0.7         7.7         5.4         4.5         3.9         4.8           Blmbg. Barc. Aggregate Bond Index         0.7         7.5         5.3         4.4         3.8         4.7           Loomis Sayles         44,508,264         1.7         5.0         14.1         7.6         8.3         7.3         7.5           Blmbg. Barc. Universal Bond Index*         1.3         7.6         5.5         4.9         4.2         5.3           Wellington Global         87,450,137         3.3         3.2         8.0         4.5         4.5         2.5           Blmbg. Barc. Global Aggregate         3.3         3.2         8.0         4.5         4.5         2.5           Loomis Sayles Bank Loans         59,219,649         2.2         2.8         1.1         2.7         3.7         2.9           S&P/LSTA Leveraged Loan Index         3.8         3.1         4.0         5.2         3.8           Franklin Templeton         60,049,977         2.3         3.4         -1.1         1.4         3.4<              | 03/01/2005                                      |
| Bimbg. Barc. Universal Bond Index*   1.3   7.6   5.5   4.9   4.2   4.7  | 03/01/2005                                      |
| BlackRock Aggregate Bond Index       109,871,832       4.2       0.7       7.7       5.4       4.5       3.9       4.8         BImbg. Barc. Aggregate Bond Index       0.7       7.5       5.3       4.4       3.8       4.7         Loomis Sayles       44,508,264       1.7       5.0       14.1       7.6       8.3       7.3       7.5         BImbg. Barc. Universal Bond Index*       1.3       7.6       5.5       4.9       4.2       5.3         Wellington Global       87,450,137       3.3       3.2       8.0       4.5       4.5       2.5         BImbg. Barc. Global Aggregate       3.3       9.2       4.9       4.8       2.6         Loomis Sayles Bank Loans       59,219,649       2.2       2.8       1.1       2.7       3.7       2.9         S&P/LSTA Leveraged Loan Index       3.8       3.1       4.0       5.2       3.8         Franklin Templeton       60,049,977       2.3       3.4       -1.1       1.4       3.4       2.6         Credit Suisse Leveraged Loan (Split BB)       3.7       1.8       3.5       4.4       3.6         Neuberger Berman Core Plus       112,985,174       4.3       2.6       9.5       6.4  |   |
| Blmbg. Barc. Aggregate Bond Index   0.7   7.5   5.3   4.4   3.8   4.7   |   |
| Loomis Sayles       44,508,264       1.7       5.0       14.1       7.6       8.3       7.3       7.5         Blmbg. Barc. Universal Bond Index*       1.3       7.6       5.5       4.9       4.2       5.3         Wellington Global       87,450,137       3.3       3.2       8.0       4.5       4.5       2.5         Blmbg. Barc. Global Aggregate       3.3       9.2       4.9       4.8       2.6         Loomis Sayles Bank Loans       59,219,649       2.2       2.8       1.1       2.7       3.7       2.9         S&P/LSTA Leveraged Loan Index       3.8       3.1       4.0       5.2       3.8         Franklin Templeton       60,049,977       2.3       3.4       -1.1       1.4       3.4       2.6         Credit Suisse Leveraged Loan (Split BB)       3.7       1.8       3.5       4.4       3.6         Neuberger Berman Core Plus       112,985,174       4.3       2.6       9.5       6.4       5.8       5.1         Blmbg. Barc. Universal Bond Index       1.3       7.6       5.5       4.9       4.4         Opportunistic Fixed Income - PIMCO Bravo II       4,202,907       0.2   | 07/01/2006                                      |
| Blmbg. Barc. Universal Bond Index*   1.3   7.6   5.5   4.9   4.2   5.3  |   |
| Wellington Global       87,450,137       3.3       3.2       8.0       4.5       4.5       2.5         Blmbg. Barc. Global Aggregate       3.3       9.2       4.9       4.8       2.6         Loomis Sayles Bank Loans       59,219,649       2.2       2.8       1.1       2.7       3.7       2.9         S&P/LSTA Leveraged Loan Index       3.8       3.1       4.0       5.2       3.8         Franklin Templeton       60,049,977       2.3       3.4       -1.1       1.4       3.4       2.6         Credit Suisse Leveraged Loan (Split BB)       3.7       1.8       3.5       4.4       3.6         Neuberger Berman Core Plus       112,985,174       4.3       2.6       9.5       6.4       5.8       5.1         Blmbg. Barc. Universal Bond Index       1.3       7.6       5.5       4.9       4.4         Opportunistic Fixed Income - PIMCO Bravo II       4,202,907       0.2  | 07/01/2006                                      |
| Bimbg. Barc. Global Aggregate   3.3   9.2   4.9   4.8   2.6   |   |
| Loomis Sayles Bank Loans       59,219,649       2.2       2.8       1.1       2.7       3.7       2.9         S&P/LSTA Leveraged Loan Index       3.8       3.1       4.0       5.2       3.8         Franklin Templeton       60,049,977       2.3       3.4       -1.1       1.4       3.4       2.6         Credit Suisse Leveraged Loan (Split BB)       3.7       1.8       3.5       4.4       3.6         Neuberger Berman Core Plus       112,985,174       4.3       2.6       9.5       6.4       5.8       5.1         Blmbg. Barc. Universal Bond Index       1.3       7.6       5.5       4.9       4.4         Opportunistic Fixed Income - PIMCO Bravo II       4,202,907       0.2   | 09/01/2014                                      |
| S&P/LSTA Leveraged Loan Index       3.8       3.1       4.0       5.2       3.8         Franklin Templeton       60,049,977       2.3       3.4       -1.1       1.4       3.4       2.6         Credit Suisse Leveraged Loan (Split BB)       3.7       1.8       3.5       4.4       3.6         Neuberger Berman Core Plus       112,985,174       4.3       2.6       9.5       6.4       5.8       5.1         Blmbg. Barc. Universal Bond Index       1.3       7.6       5.5       4.9       4.4         Opportunistic Fixed Income - PIMCO Bravo II       4,202,907       0.2   |   |
| Franklin Templeton       60,049,977       2.3       3.4       -1.1       1.4       3.4       2.6         Credit Suisse Leveraged Loan (Split BB)       3.7       1.8       3.5       4.4       3.6         Neuberger Berman Core Plus       112,985,174       4.3       2.6       9.5       6.4       5.8       5.1         Blmbg. Barc. Universal Bond Index       1.3       7.6       5.5       4.9       4.4         Opportunistic Fixed Income - PIMCO Bravo II       4,202,907       0.2   | 06/01/2014                                      |
| Credit Suisse Leveraged Loan (Split BB)       3.7       1.8       3.5       4.4       3.6         Neuberger Berman Core Plus       112,985,174       4.3       2.6       9.5       6.4       5.8       5.1         Blmbg. Barc. Universal Bond Index       1.3       7.6       5.5       4.9       4.4         Opportunistic Fixed Income - PIMCO Bravo II       4,202,907       0.2  |   |
| Neuberger Berman Core Plus       112,985,174       4.3       2.6       9.5       6.4       5.8       5.1         Blmbg. Barc. Universal Bond Index       1.3       7.6       5.5       4.9       4.4         Opportunistic Fixed Income - PIMCO Bravo II       4,202,907       0.2  | 07/01/2014                                      |
| Blmbg. Barc. Universal Bond Index 1.3 7.6 5.5 4.9 4.4  Opportunistic Fixed Income - PIMCO Bravo II 4,202,907 0.2  |   |
| Opportunistic Fixed Income - PIMCO Bravo II 4,202,907 0.2   | 07/01/2015                                      |
|   |   |
| Opportunistic Fixed Income - Oaktree 824,310 0.0  |   |
|   |   |
| Opportunistic Cash and Int Rec 562,179 0.0  |   |
| CBB GICS and Money Market 26,720,798 1.0  |   |
| Total Real Estate 144,283,284 5.5 7.0 0.5 0.2 3.7 5.8 8.8 6.4   | 12/01/2004                                      |
| Performance Benchmark* 1.1 0.3 4.0 5.3 8.7 7.8  |   |
| CB Richard Ellis Strategic 99,222 0.0   |   |
| Prudential PRISA I 28,857,887 1.1   |   |
| UBS Real Estate 21,982,739 0.8  |   |
| Rockwood Capital Real Estate Fund IX 546,549 0.0  |   |
| Prudential PRISA II 13,219,177 0.5  |   |
| Five Arrows Realty 9,111 0.0  |   |
| RockPoint Fund III 169,240 0.0  |   |
| Landmark Real Estate VI 279,464 0.0   |   |
| Landmark Real Estate VII 2,080,722 0.1  |   |
| AG Realty Fund VIII 923,892 0.0   |   |
| UBS Trumbull Property Income 20,149,677 0.8   |   |
| Almanac Realty Securities VII 2,903,369 0.1   |   |
| Torchlight IV 466,487 0.0   |   |
| Torchlight V 1,651,510 0.1  |   |
| Rockwood Capital Real Estate Fund X 4,234,662 0.2   |   |



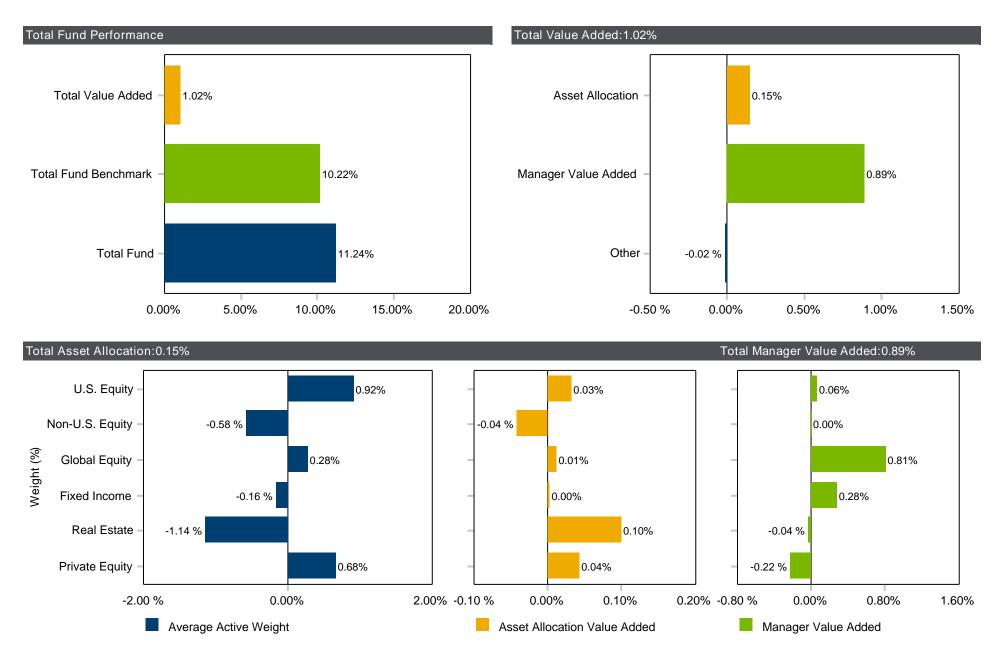
|   |                         | ocation |           |              |           |            | Performance( | %)          |                    |                   |
|---|-------------------------|---------|-----------|--------------|-----------|------------|--------------|-------------|--------------------|-------------------|
|   | Market<br>Value<br>(\$) | %       | Policy(%) | 1<br>Quarter | 1<br>Year | 3<br>Years | 5<br>Years   | 10<br>Years | Since<br>Inception | Inception<br>Date |
| Landmark Real Estate VIII               | 2,126,881               | 0.1     |           |              |           |            |              |             |                    |                   |
| Torchlight VI                           | 5,962,072               | 0.2     |           |              |           |            |              |             |                    |                   |
| Almanac Realty Securities VIII          | 1,135,182               | 0.0     |           |              |           |            |              |             |                    |                   |
| Clarion Lion Properties Fund            | 34,024,440              | 1.3     |           |              |           |            |              |             |                    |                   |
| Torchlight Debt Opportunity             | 4,129,391               | 0.2     |           |              |           |            |              |             |                    |                   |
| Real Estate Cash                        | 1,216,524               | 0.0     |           |              |           |            |              |             |                    |                   |
| Total Private Equity                    | 148,856,739             | 5.6     | 5.0       | 11.6         | 13.6      | 14.3       | 14.1         | 13.0        | 5.8                | 09/01/2005        |
| Dow Jones U.S. Total Stock Market + 3%  |                         |         |           | 15.6         | 24.4      | 17.8       | 18.8         | 17.1        | 13.3               |                   |
| Abbott Capital                          | 1,113,873               | 0.0     |           |              |           |            |              |             |                    |                   |
| Pathway                                 | 2,194,429               | 0.1     |           |              |           |            |              |             |                    |                   |
| Sun Capital                             | 547,229                 | 0.0     |           |              |           |            |              |             |                    |                   |
| Dover Street VIII                       | 1,286,173               | 0.0     |           |              |           |            |              |             |                    |                   |
| CMEA Ventures VII                       | 772,199                 | 0.0     |           |              |           |            |              |             |                    |                   |
| New Mountain Partners III               | 1,898,533               | 0.1     |           |              |           |            |              |             |                    |                   |
| New Mountain Partners IV                | 4,094,294               | 0.2     |           |              |           |            |              |             |                    |                   |
| New Mountain Partners, V                | 7,056,672               | 0.3     |           |              |           |            |              |             |                    |                   |
| Citigroup Venture Capital International | 477,223                 | 0.0     |           |              |           |            |              |             |                    |                   |
| Wayzata Opportunities Fund II           | 43,048                  | 0.0     |           |              |           |            |              |             |                    |                   |
| Resolute Fund II                        | 1,303,179               | 0.0     |           |              |           |            |              |             |                    |                   |
| Resolute Fund III                       | 1,991,942               | 0.1     |           |              |           |            |              |             |                    |                   |
| BridgePoint Europe IV                   | 691,145                 | 0.0     |           |              |           |            |              |             |                    |                   |
| Quantum Energy Partners V               | 852,933                 | 0.0     |           |              |           |            |              |             |                    |                   |
| Quantum Energy Partners VI              | 3,602,638               | 0.1     |           |              |           |            |              |             |                    |                   |
| CVC European Equity Partners            | 2,767,460               | 0.1     |           |              |           |            |              |             |                    |                   |
| CVC European Equity Partners V          | 161,676                 | 0.0     |           |              |           |            |              |             |                    |                   |
| Fulcrum Growth Partners IV              | 1,339,085               | 0.1     |           |              |           |            |              |             |                    |                   |
| Ares Corporate Opp Fund III             | 171,296                 | 0.0     |           |              |           |            |              |             |                    |                   |
| Ares Corporate Opportunities Fund IV    | 1,654,840               | 0.1     |           |              |           |            |              |             |                    |                   |
| New Enterprise Associates 13            | 1,195,280               | 0.0     |           |              |           |            |              |             |                    |                   |
| New Enterprise Associates 14            | 3,439,413               | 0.1     |           |              |           |            |              |             |                    |                   |
| Lincolnshire Equity Partners IV         | 961,223                 | 0.0     |           |              |           |            |              |             |                    |                   |
| Merit Mezzanine Fund V                  | 900,885                 | 0.0     |           |              |           |            |              |             |                    |                   |
| Ares Mezzanine Fund Partners            | 9,213                   | 0.0     |           |              |           |            |              |             |                    |                   |
| Lightyear Fund III                      | 232,378                 | 0.0     |           |              |           |            |              |             |                    |                   |
| EIF U.S. Power Fund IV                  | 2,245,762               | 0.1     |           |              |           |            |              |             |                    |                   |
| McCarthy Capital Fund V                 | 1,057,037               | 0.0     |           |              |           |            |              |             |                    |                   |
| Green Equity Investors VI               | 3,225,922               | 0.1     |           |              |           |            |              |             |                    |                   |
| Wayzata Opp Fund III                    | 643,533                 | 0.0     |           |              |           |            |              |             |                    |                   |
| Accell KKR Capital Partners IV          | 1,748,358               | 0.1     |           |              |           |            |              |             |                    |                   |



|                                | ΔΙΙ               | ocation |           |              |           |            | Performance( | (%)         |                    |                   |
|--------------------------------|-------------------|---------|-----------|--------------|-----------|------------|--------------|-------------|--------------------|-------------------|
|                                | Market Value (\$) | %       | Policy(%) | 1<br>Quarter | 1<br>Year | 3<br>Years | 5<br>Years   | 10<br>Years | Since<br>Inception | Inception<br>Date |
| Beecken Petty O'Keefe & Co. IV | 2,391,550         | 0.1     |           |              |           |            |              |             |                    |                   |
| Pine Brook Capital Partners II | 4,202,179         | 0.2     |           |              |           |            |              |             |                    |                   |
| EMG III LP                     | 2,479,418         | 0.1     |           |              |           |            |              |             |                    |                   |
| Francisco Partners IV          | 6,475,209         | 0.2     |           |              |           |            |              |             |                    |                   |
| Wynnchurch Capital Partners IV | 3,334,809         | 0.1     |           |              |           |            |              |             |                    |                   |
| BridgePoint Europe V           | 3,628,056         | 0.1     |           |              |           |            |              |             |                    |                   |
| McCarthy Capital Fund VI       | 3,260,908         | 0.1     |           |              |           |            |              |             |                    |                   |
| Dover Street IX                | 5,760,551         | 0.2     |           |              |           |            |              |             |                    |                   |
| Green Equity Investors VII     | 8,323,520         | 0.3     |           |              |           |            |              |             |                    |                   |
| Quantum Energy Partners VII    | 3,583,238         | 0.1     |           |              |           |            |              |             |                    |                   |
| Ares Corporate Opp Fund V      | 5,669,188         | 0.2     |           |              |           |            |              |             |                    |                   |
| Genstar Cap Ptr VIII L.P.      | 10,609,465        | 0.4     |           |              |           |            |              |             |                    |                   |
| Francisco Partners V           | 6,839,427         | 0.3     |           |              |           |            |              |             |                    |                   |
| Resolute Fund IV               | 7,487,111         | 0.3     |           |              |           |            |              |             |                    |                   |
| BridgePoint Europe VI          | 2,591,052         | 0.1     |           |              |           |            |              |             |                    |                   |
| Genstar Cap Ptr IX LP          | 3,355,347         | 0.1     |           |              |           |            |              |             |                    |                   |
| New Enterprise Associates 17   | 2,873,966         | 0.1     |           |              |           |            |              |             |                    |                   |
| Dover Street X                 | 10,949,899        | 0.4     |           |              |           |            |              |             |                    |                   |
| Wynnchurch Capital Partners V  |                   | 0.0     |           |              |           |            |              |             |                    |                   |
| Private Equity Cash            | 14,385,149        | 0.5     |           |              |           |            |              |             |                    |                   |

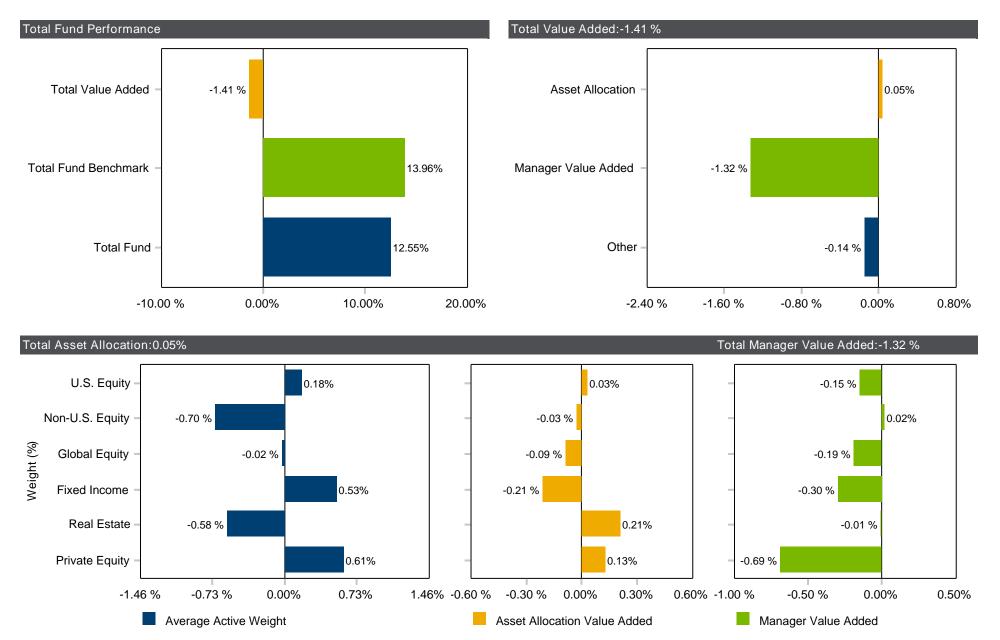


### **Total Fund Attribution**



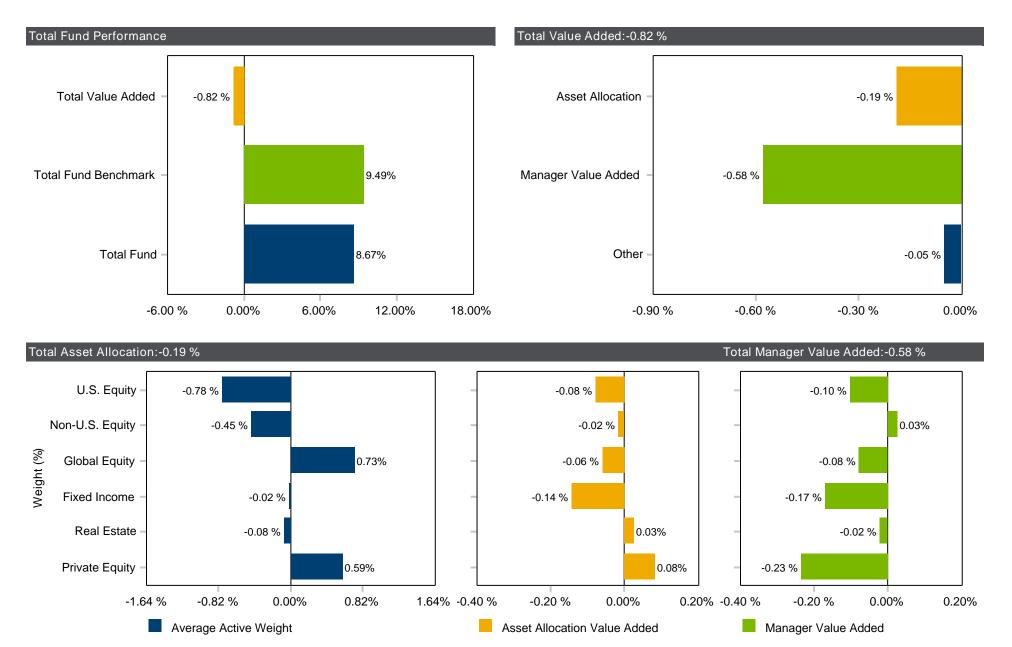


### **Total Fund Attribution**

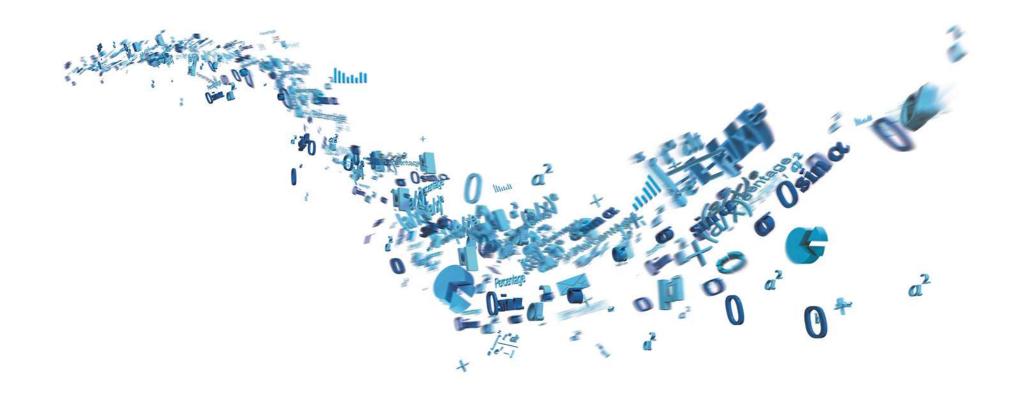




## **Total Fund Attribution**







# **Total Hartford Options**



|  | Allocation              | on    |              |           | Performance(%) | )          |             |
|--|-------------------------|-------|--------------|-----------|----------------|------------|-------------|
|  | Market<br>Value<br>(\$) | %     | 1<br>Quarter | 1<br>Year | 3<br>Years     | 5<br>Years | 10<br>Years |
| Total Hartford Options                           | 33,426,518              | 100.0 |              |           |                |            |             |
| American Century Value                           | 149,786                 | 0.4   | 20.8         | 0.3       | 6.2            | 9.2        | 9.8         |
| DJ U.S. Large-Cap Value Total Stock Market Index |                         |       | 14.8         | 2.6       | 6.3            | 10.3       | 10.9        |
| American Funds Growth Fund of America            | 838,068                 | 2.5   | 15.9         | 37.3      | 20.4           | 18.8       | 15.3        |
| Russell 3000 Growth Index                        |                         |       | 12.4         | 38.3      | 22.5           | 20.7       | 16.9        |
| Hartford Capital Appreciation HLS                | 16,401,434              | 49.1  | 14.8         | 21.5      | 14.5           | 13.9       | 11.7        |
| Dow Jones U.S. Total Stock Market Index          |                         |       | 14.8         | 20.8      | 14.4           | 15.4       | 13.7        |
| Harford Dividend & Growth HLS                    | 326,726                 | 1.0   | 14.5         | 7.4       | 10.1           | 12.5       | 11.8        |
| DJ U.S. Large-Cap Value Total Stock Market Index |                         |       | 14.8         | 2.6       | 6.3            | 10.3       | 10.9        |
| SSgA S&P 500 Flagship                            | 582,739                 | 1.7   | 12.0         | 17.6      | 14.4           | 15.0       | 13.6        |
| S&P 500 Index                                    |                         |       | 12.1         | 18.4      | 14.2           | 15.2       | 13.9        |
| T. Rowe Price Growth Stock                       | 1,809,600               | 5.4   | 11.8         | 36.1      | 21.3           | 19.0       | 16.6        |
| Russell 1000 Growth Index                        |                         |       | 11.4         | 38.5      | 23.0           | 21.0       | 17.2        |
| Goldman Sachs Mid-Cap Value                      | 133,399                 | 0.4   | 20.8         | 8.0       | 8.3            | 9.5        | 8.9         |
| Russell Midcap Value Index                       |                         |       | 20.4         | 5.0       | 5.4            | 9.7        | 10.5        |
| Munder Mid-Cap Core Growth                       | 75,019                  | 0.2   | 17.8         | 19.4      | 9.3            | 11.5       | 10.6        |
| Russell Midcap Growth Index                      |                         |       | 19.0         | 35.6      | 20.5           | 18.7       | 15.0        |
| SSgA S&P MidCap Index                            | 100,448                 | 0.3   | 24.2         | 12.8      | 9.2            | 12.5       | 11.0        |
| Russell Midcap Index                             |                         |       | 19.9         | 17.1      | 11.6           | 13.4       | 12.4        |
| Hartford Small Company HLS                       | 682,182                 | 2.0   | 29.5         | 55.0      | 27.7           | 21.7       | 15.4        |
| Russell 2000 Index                               |                         |       | 31.4         | 20.0      | 10.2           | 13.3       | 11.2        |
| Skyline Special Equities Portfolio               | 291,383                 | 0.9   | 27.0         | 2.9       | 3.3            | 7.5        | 9.5         |
| DJ U.S. Small-Cap Value Total Stock Market Index |                         |       | 33.9         | -6.1      | -0.6           | 6.4        | 7.9         |
| SSgA Russell 2000 Index                          | 57,763                  | 0.2   | 31.1         | 19.1      | 11.3           | 13.7       | 10.9        |
| Russell 2000 Index                               |                         |       | 31.4         | 20.0      | 10.2           | 13.3       | 11.2        |
| American Funds EuroPacific Growth                | 180,121                 | 0.5   | 19.8         | 24.4      | 11.0           | 12.3       | 7.8         |
| MSCI EAFE Index (Net)                            |                         |       | 16.0         | 7.8       | 4.3            | 7.4        | 5.5         |
| Hartford International Opportunities HLS         | 703,643                 | 2.1   | 17.2         | 20.0      | 7.9            | 9.6        | 6.8         |
| MSCI EAFE Index (Net)                            |                         |       | 16.0         | 7.8       | 4.3            | 7.4        | 5.5         |
| Mutual Discovery                                 | 104,978                 | 0.3   | 19.4         | -4.9      | 2.3            | 5.5        | 6.1         |
| MSCI AC World Index (Net)                        |                         |       | 14.7         | 16.3      | 10.1           | 12.3       | 9.1         |
| Hartford Total Return Bond HLS                   | 861,321                 | 2.6   | 1.7          | 8.6       | 5.2            | 4.7        | 4.1         |
| Blmbg. Barc. U.S. Aggregate                      |                         |       | 0.7          | 7.5       | 5.3            | 4.4        | 3.8         |



|                              | Allocatio               | Allocation |              |           | Performance(%) |            |             |  |
|------------------------------|-------------------------|------------|--------------|-----------|----------------|------------|-------------|--|
|                              | Market<br>Value<br>(\$) | %          | 1<br>Quarter | 1<br>Year | 3<br>Years     | 5<br>Years | 10<br>Years |  |
| Loomis Sayles Bond           | 407,981                 | 1.2        | 5.2          | 1.5       | 2.7            | 4.2        | 4.0         |  |
| Blmbg. Barc. U.S. Aggregate  |                         |            | 0.7          | 7.5       | 5.3            | 4.4        | 3.8         |  |
| Putnam High-Yield Advantage  | 87,070                  | 0.3        | 5.6          | 5.1       | 4.6            | 6.1        | 5.0         |  |
| CSFB High-Yield Index        |                         |            | 5.9          | 2.7       | 0.6            | 3.1        | 2.2         |  |
| Hartford Balanced HLS        | 2,234,423               | 6.7        | 9.4          | 11.2      | 9.1            | 9.6        | 9.1         |  |
| Conservative Lifestyle Index |                         |            | 6.9          | 13.5      | 10.2           | 10.2       | 9.2         |  |
| Oakmark Equity & Income      | 422,401                 | 1.3        | 15.9         | 8.1       | 6.0            | 8.4        | 7.3         |  |
| Russell 1000 Value Index     |                         |            | 16.3         | 2.8       | 6.1            | 9.7        | 10.5        |  |
| Templeton Foreign Fund       | 33,052                  | 0.1        | 19.8         | -0.5      | -1.7           | 4.5        | 3.1         |  |
| MSCI EAFE Index              |                         |            | 16.1         | 8.3       | 4.8            | 8.0        | 6.0         |  |
| General Fund                 | 6,933,551               | 20.7       |              |           |                |            |             |  |
| Fix Account Suspense         | 9,429                   | 0.0        |              |           |                |            |             |  |



### **Hartford Options Plan**

# **Investment Watchlist Summary**

#### **Hartford Options Plan**

**Investment Watchlist Summary** 

|  | 1<br>Underperformed<br>During Trailing<br>5 Years | 2<br>Underperformed<br>in 3 of 4<br>Trailing Calendar<br>Quarters | 3 Diverged from Strategy and/or Portfolio Characteristics | 4<br>Adverse<br>Change in<br>Portfolio<br>Manager | 5<br>Weak<br>Manager<br>Research<br>Rating | 6<br>Significant<br>Organizational<br>Change | Watch Li<br>4th<br>Quarter<br>2020 | st Status<br>3rd<br>Quarter<br>2020 |
|--|---|---|---|---|--|--|------------------------------------|-------------------------------------|
| American Century Value                   | Yes   | No  | No  | No  | No   | No   |                                    |                                     |
| American Funds Growth Fund of America    | Yes   | Yes   | No  | No  | No   | No   |                                    |                                     |
| Hartford Capital Appreciation HLS        | Yes   | No  | 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   | Yes   | No  | No  | No   | No   |                                    |                                     |
| Goldman Sachs Mid-Cap Value              | Yes   | No  | No  | Yes   | Yes  | No   |                                    |                                     |
| Munder Mid-Cap Core Growth               | Yes   | Yes   | No  | No  | No   | No   |                                    |                                     |
| SSgA S&P MidCap Index*                   | No  | No  | No  | No  | No   | No   |                                    |                                     |
| Hartford Small Company HLS               | No  | No  | 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  | No  | No  | No  | No   | No   |                                    |                                     |
| Hartford International Opportunities HLS | No  | No  | No  | No  | No   | No   |                                    |                                     |
| Mutual Discovery                         | Yes   | Yes   | 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              | N/A   | No  | No  | No  | Yes  | No   |                                    |                                     |
| Hartford Balanced HLS                    | Yes   | No  | No  | No  | No   | No   |                                    |                                     |
| Oakmark Equity & Income                  | Yes   | 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



Total Fund

|                    | \$            | %     |
|--------------------|---------------|-------|
| Union Bank & Trust | 5,730,646,969 | 100.0 |
| NEST Advisor       | 1,369,221,435 | 23.9  |
| NEST Direct        | 2,522,717,278 | 44.0  |
| TD Ameritrade      | 1,838,708,256 | 32.1  |

|                              | Allocation              | n     |              |           | Perform    | ance(%)    |                    |                   |
|------------------------------|-------------------------|-------|--------------|-----------|------------|------------|--------------------|-------------------|
|                              | Market<br>Value<br>(\$) | %     | 1<br>Quarter | 1<br>Year | 3<br>Years | 5<br>Years | Since<br>Inception | Inception<br>Date |
| Total NEST Direct            | 2,522,717,278           | 100.0 |              |           |            |            |                    |                   |
| Age-Based Funds              | 1,300,280,470           | 51.5  |              |           |            |            |                    |                   |
| Age-Based Aggressive 0-02    | 10,131,653              | 0.4   |              |           |            |            |                    |                   |
| Age-Based Aggressive 03-05   | 31,751,942              | 1.3   |              |           |            |            |                    |                   |
| Age-Based Aggressive 06-08   | 52,718,835              | 2.1   |              |           |            |            |                    |                   |
| Age-Based Aggressive 09-10   | 44,998,042              | 1.8   |              |           |            |            |                    |                   |
| Age-Based Aggressive 11-12   | 68,012,367              | 2.7   |              |           |            |            |                    |                   |
| Age-Based Aggressive 13-14   | 91,646,023              | 3.6   |              |           |            |            |                    |                   |
| Age-Based Aggressive 15-16   | 104,084,987             | 4.1   |              |           |            |            |                    |                   |
| Age-Based Aggressive 17-18   | 106,320,681             | 4.2   |              |           |            |            |                    |                   |
| Age-Based Aggressive 19+     | 123,689,810             | 4.9   |              |           |            |            |                    |                   |
| Age-Based Moderate 0-2       | 8,874,320               | 0.4   |              |           |            |            |                    |                   |
| Age-Based Moderate 03-05     | 18,882,958              | 0.7   |              |           |            |            |                    |                   |
| Age-Based Moderate 06-08     | 35,385,763              | 1.4   |              |           |            |            |                    |                   |
| Age-Based Moderate 09-10     | 34,632,981              | 1.4   |              |           |            |            |                    |                   |
| Age-Based Moderate 11-12     | 53,151,380              | 2.1   |              |           |            |            |                    |                   |
| Age-Based Moderate 13-14     | 69,092,145              | 2.7   |              |           |            |            |                    |                   |
| Age-Based Moderate 15-16     | 76,897,556              | 3.0   |              |           |            |            |                    |                   |
| Age-Based Moderate 17-18     | 96,245,687              | 3.8   |              |           |            |            |                    |                   |
| Age-Based Moderate 19+       | 114,447,210             | 4.5   |              |           |            |            |                    |                   |
| Age-Based Conservative 0-2   | 3,030                   | 0.0   |              |           |            |            |                    |                   |
| Age-Based Conservative 03-05 | 7,010                   | 0.0   |              |           |            |            |                    |                   |
| Age-Based Conservative 06-08 | 7,035                   | 0.0   |              |           |            |            |                    |                   |
| Age-Based Conservative 09-10 | 2,000                   | 0.0   |              |           |            |            |                    |                   |
| Age-Based Conservative 11-12 | 3,920                   | 0.0   |              |           |            |            |                    |                   |
| Age-Based Conservative 13-14 | 501                     | 0.0   |              |           |            |            |                    |                   |



|                                    | Allocation              |      |              |           | Perform    | ance(%)    |                    |                   |
|------------------------------------|-------------------------|------|--------------|-----------|------------|------------|--------------------|-------------------|
|                                    | Market<br>Value<br>(\$) | %    | 1<br>Quarter | 1<br>Year | 3<br>Years | 5<br>Years | Since<br>Inception | Inception<br>Date |
| Age-Based Conservative 15-16       | 10,010                  | 0.0  |              |           |            |            |                    |                   |
| Age-Based Conservative 17-18       | 410,316                 | 0.0  |              |           |            |            |                    |                   |
| Age-Based Conservative 19+         | 123,242                 | 0.0  |              |           |            |            |                    |                   |
| Age-Based Index Aggressive 0-2     | 316,752                 | 0.0  |              |           |            |            |                    |                   |
| Age-Based Index Aggressive 03-05   | 200,970                 | 0.0  |              |           |            |            |                    |                   |
| Age-Based Index Aggressive 06-08   | 316,683                 | 0.0  |              |           |            |            |                    |                   |
| Age-Based Index Aggressive 09-10   | 149,366                 | 0.0  |              |           |            |            |                    |                   |
| Age-Based Index Aggressive 11-12   | 444,717                 | 0.0  |              |           |            |            |                    |                   |
| Age-Based Index Aggressive 13-14   | 234,063                 | 0.0  |              |           |            |            |                    |                   |
| Age-Based Index Aggressive 15-16   | 414,436                 | 0.0  |              |           |            |            |                    |                   |
| Age-Based Index Aggressive 17-18   | 51,206                  | 0.0  |              |           |            |            |                    |                   |
| Age-Based Index Aggressive 19+     | 182,700                 | 0.0  |              |           |            |            |                    |                   |
| Age-Based Index Moderate 0-2       | 299,987                 | 0.0  |              |           |            |            |                    |                   |
| Age-Based Index Moderate 03-05     | 237,281                 | 0.0  |              |           |            |            |                    |                   |
| Age-Based Index Moderate 06-08     | 207,733                 | 0.0  |              |           |            |            |                    |                   |
| Age-Based Index Moderate 09-10     | 64,211                  | 0.0  |              |           |            |            |                    |                   |
| Age-Based Index Moderate 11-12     | 347,920                 | 0.0  |              |           |            |            |                    |                   |
| Age-Based Index Moderate 13-14     | 420,711                 | 0.0  |              |           |            |            |                    |                   |
| Age-Based Index Moderate 15-16     | 565,842                 | 0.0  |              |           |            |            |                    |                   |
| Age-Based Index Moderate 17-18     | 208,648                 | 0.0  |              |           |            |            |                    |                   |
| Age-Based Index Moderate 19+       | 306,099                 | 0.0  |              |           |            |            |                    |                   |
| Age-Based Index Conservative 0-2   | 2,021,804               | 0.1  |              |           |            |            |                    |                   |
| Age-Based Index Conservative 03-05 | 6,690,114               | 0.3  |              |           |            |            |                    |                   |
| Age-Based Index Conservative 06-08 | 12,529,654              | 0.5  |              |           |            |            |                    |                   |
| Age-Based Index Conservative 09-10 | 10,823,185              | 0.4  |              |           |            |            |                    |                   |
| Age-Based Index Conservative 11-12 | 15,535,433              | 0.6  |              |           |            |            |                    |                   |
| Age-Based Index Conservative 13-14 | 18,824,068              | 0.7  |              |           |            |            |                    |                   |
| Age-Based Index Conservative 15-16 | 20,558,513              | 0.8  |              |           |            |            |                    |                   |
| Age-Based Index Conservative 17-18 | 27,303,914              | 1.1  |              |           |            |            |                    |                   |
| Age-Based Index Conservative 19+   | 39,493,057              | 1.6  |              |           |            |            |                    |                   |
| Static Funds                       | 402,185,647             | 15.9 |              |           |            |            |                    |                   |
| All Equity Static                  | 5,866,155               | 0.2  |              |           |            |            |                    |                   |
| Growth Static                      | 186,316,271             | 7.4  |              |           |            |            |                    |                   |
| Balanced Static                    | 54,958,758              | 2.2  |              |           |            |            |                    |                   |
| Conservative Static                | 12,707,296              | 0.5  |              |           |            |            |                    |                   |



|  | Allocation              |      | Performance(%) |           |            |            |                    |                   |
|--|-------------------------|------|----------------|-----------|------------|------------|--------------------|-------------------|
|  | Market<br>Value<br>(\$) | %    | 1<br>Quarter   | 1<br>Year | 3<br>Years | 5<br>Years | Since<br>Inception | Inception<br>Date |
| Bank Savings Static                              | 18,679,858              | 0.7  |                |           |            |            |                    |                   |
| Individual Funds                                 | 820,251,161             | 32.5 |                |           |            |            |                    |                   |
| DFA US Small Cap Value 529                       | 19,790,198              | 0.8  | 32.7           | 2.2       | 0.8        | 7.1        | 10.7               | 04/01/1993        |
| Russell 2000 Value Index                         |                         |      | 33.4           | 4.6       | 3.7        | 9.7        | 9.7                |                   |
| DFA World ex-US Government                       | 2,831,068               | 0.1  | 0.7            | 6.4       | 6.0        | 5.4        | 4.9                | 01/01/2012        |
| FTSE Non-U.S. World Government Bond Hedged       |                         |      | 0.9            | 4.7       | 5.4        | 4.7        | 4.6                |                   |
| MetWest Total Return Bond                        | 29,167,718              | 1.2  | 1.3            | 9.2       | 6.1        | 4.9        | 4.6                | 08/01/2011        |
| Blmbg. Barc. U.S. Aggregate                      |                         |      | 0.7            | 7.5       | 5.3        | 4.4        | 3.6                |                   |
| State Street S&P 500 Index                       | 120,820,040             | 4.8  | 12.0           | 18.1      | 14.0       | 14.9       | 12.8               | 10/01/2014        |
| S&P 500 Index                                    |                         |      | 12.1           | 18.4      | 14.2       | 15.2       | 13.1               |                   |
| T Rowe Price Large Cap Growth                    | 130,856,964             | 5.2  | 13.0           | 39.6      | 23.2       | 21.5       | 12.3               | 11/01/2001        |
| Russell 1000 Growth Index                        |                         |      | 11.4           | 38.5      | 23.0       | 21.0       | 10.5               |                   |
| Vanguard Equity Income                           | 51,871,425              | 2.1  | 13.1           | 3.1       | 6.8        | 10.7       | 8.2                | 09/01/2001        |
| S&P 500 Index                                    |                         |      | 12.1           | 18.4      | 14.2       | 15.2       | 8.5                |                   |
| Vanguard Explorer 529                            | 48,979,153              | 1.9  | 26.6           | 31.5      | 19.0       | 18.5       | 10.4               | 12/01/2001        |
| Russell 2500 Growth Index                        |                         |      | 25.9           | 40.5      | 19.9       | 18.7       | 10.9               |                   |
| Vanguard Extended Market Index                   | 67,648,656              | 2.7  | 27.4           | 32.2      | 15.4       | 16.1       | 9.5                | 08/01/1997        |
| S&P Completion Index                             |                         |      | 27.4           | 32.2      | 15.2       | 15.9       | 9.4                |                   |
| Vanguard Federal Money Market 529                | 59,432,311              | 2.4  | 0.0            | 0.5       | 1.5        | 1.1        | 4.0                | 08/01/1981        |
| 90 Day U.S. Treasury Bill                        |                         |      | 0.0            | 0.7       | 1.6        | 1.2        | 4.1                |                   |
| Vanguard Real Estate Index                       | 20,791,430              | 0.8  | 9.2            | -4.7      | 5.0        | 5.7        | 8.5                | 01/01/2004        |
| Vanguard Real Estate Spliced Index               |                         |      | 9.3            | -4.6      | 5.1        | 5.8        | 8.5                |                   |
| Vanguard Short-Term Bond Index                   | 13,623,598              | 0.5  | 0.3            | 4.7       | 3.6        | 2.7        | 2.0                | 10/01/2011        |
| Blmbg. Barc. U.S. Gov/Credit Float Adj: 1-5 Year |                         |      | 0.3            | 4.7       | 3.7        | 2.8        | 2.1                |                   |
| Vanguard ST Inflation Protected                  | 28,634,996              | 1.1  | 1.2            | 4.9       | 3.4        | 2.8        | 1.4                | 11/01/2012        |
| Blmbg. Barc. U.S. TIPS 0-5 Year                  |                         |      | 1.3            | 5.1       | 3.5        | 2.8        | 1.4                |                   |
| Vanguard Total Bond Market Index                 | 34,091,306              | 1.4  | 0.7            | 7.7       | 5.4        | 4.5        | 4.0                | 03/01/2010        |
| Blmbg. Barc. U.S. Aggregate Float Adjusted       |                         |      | 0.7            | 7.7       | 5.4        | 4.5        | 4.0                |                   |
| Vanguard Total Intl Stock Index 529              | 58,286,192              | 2.3  | 16.9           | 11.3      | 5.0        | 9.1        | 6.0                | 12/01/2010        |
| FTSE Global ex USA All Cap Index (Net)           |                         |      | 17.2           | 11.2      | 5.0        | 9.1        | 6.0                |                   |
| Vanguard Total Stock Market Index                | 133,426,105             | 5.3  | 14.7           | 21.0      | 14.5       | 15.5       | 8.5                | 06/01/2001        |
| Vanguard Spliced Total Stock Market Index        |                         |      | 14.7           | 21.0      | 14.5       | 15.4       | 8.4                |                   |



<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              | า     | Performance(%) |           |            |            |                    |                   |
|------------------------------------|-------------------------|-------|----------------|-----------|------------|------------|--------------------|-------------------|
|                                    | Market<br>Value<br>(\$) | %     | 1<br>Quarter   | 1<br>Year | 3<br>Years | 5<br>Years | Since<br>Inception | Inception<br>Date |
| Total NEST Advisor                 | 1,369,221,435           | 100.0 |                |           |            |            |                    |                   |
| Age-Based Funds                    | 866,880,680             | 63.3  |                |           |            |            |                    |                   |
| Age-Based Aggressive 0-02          | 10,298,183              | 0.8   |                |           |            |            |                    |                   |
| Age-Based Aggressive 03-05         | 26,087,623              | 1.9   |                |           |            |            |                    |                   |
| Age-Based Aggressive 06-08         | 40,657,132              | 3.0   |                |           |            |            |                    |                   |
| Age-Based Aggressive 09-10         | 32,504,150              | 2.4   |                |           |            |            |                    |                   |
| Age-Based Aggressive 11-12         | 40,544,659              | 3.0   |                |           |            |            |                    |                   |
| Age-Based Aggressive 13-14         | 53,655,901              | 3.9   |                |           |            |            |                    |                   |
| Age-Based Aggressive 15-16         | 67,985,921              | 5.0   |                |           |            |            |                    |                   |
| Age-Based Aggressive 17-18         | 79,226,795              | 5.8   |                |           |            |            |                    |                   |
| Age-Based Aggressive 19+           | 80,632,905              | 5.9   |                |           |            |            |                    |                   |
| Age-Based Moderate 0-2             | 6,283,734               | 0.5   |                |           |            |            |                    |                   |
| Age-Based Moderate 03-05           | 19,625,516              | 1.4   |                |           |            |            |                    |                   |
| Age-Based Moderate 06-08           | 39,066,101              | 2.9   |                |           |            |            |                    |                   |
| Age-Based Moderate 09-10           | 34,044,693              | 2.5   |                |           |            |            |                    |                   |
| Age-Based Moderate 11-12           | 40,858,126              | 3.0   |                |           |            |            |                    |                   |
| Age-Based Moderate 13-14           | 46,512,920              | 3.4   |                |           |            |            |                    |                   |
| Age-Based Moderate 15-16           | 54,073,729              | 3.9   |                |           |            |            |                    |                   |
| Age-Based Moderate 17-18           | 61,463,796              | 4.5   |                |           |            |            |                    |                   |
| Age-Based Moderate 19+             | 61,341,534              | 4.5   |                |           |            |            |                    |                   |
| Age-Based Index Conservative 0-2   | 1,303,232               | 0.1   |                |           |            |            |                    |                   |
| Age-Based Index Conservative 03-05 | 3,653,490               | 0.3   |                |           |            |            |                    |                   |
| Age-Based Index Conservative 06-08 | 6,610,297               | 0.5   |                |           |            |            |                    |                   |
| Age-Based Index Conservative 09-10 | 6,526,714               | 0.5   |                |           |            |            |                    |                   |
| Age-Based Index Conservative 11-12 | 8,509,234               | 0.6   |                |           |            |            |                    |                   |
| Age-Based Index Conservative 13-14 | 7,785,212               | 0.6   |                |           |            |            |                    |                   |
| Age-Based Index Conservative 15-16 | 8,844,820               | 0.6   |                |           |            |            |                    |                   |
| Age-Based Index Conservative 17-18 | 12,549,181              | 0.9   |                |           |            |            |                    |                   |
| Age-Based Index Conservative 19+   | 16,235,083              | 1.2   |                |           |            |            |                    |                   |
| Static Funds                       | 278,528,338             | 20.3  |                |           |            |            |                    |                   |
| All Equity Static                  | 5,866,155               | 0.4   |                |           |            |            |                    |                   |
| Growth Static                      | 186,316,271             | 13.6  |                |           |            |            |                    |                   |
| Balanced Static                    | 54,958,758              | 4.0   |                |           |            |            |                    |                   |
| Conservative Static                | 12,707,296              | 0.9   |                |           |            |            |                    |                   |



|  | Allocation              |      | Performance(%) |           |            |            |                    |                   |
|--|-------------------------|------|----------------|-----------|------------|------------|--------------------|-------------------|
|  | Market<br>Value<br>(\$) | %    | 1<br>Quarter   | 1<br>Year | 3<br>Years | 5<br>Years | Since<br>Inception | Inception<br>Date |
| Bank Savings Static                        | 18,679,858              | 1.4  |                |           |            |            |                    |                   |
| Individual Funds                           | 223,809,686             | 16.3 |                |           |            |            |                    |                   |
| Am Funds The Inc Fund of America 529       | 3,236,852               | 0.2  | 8.9            | 5.3       | 6.1        | 8.5        | 10.3               | 06/01/2009        |
| S&P 500 Index                              |                         |      | 12.1           | 18.4      | 14.2       | 15.2       | 15.3               |                   |
| DFA World ex US Govtt Fixed Inc 529        | 522,531                 | 0.0  | 0.7            | 6.4       | 6.0        | 5.4        | 4.9                | 01/01/2012        |
| FTSE Non-U.S. World Government Bond Hedged |                         |      | 0.9            | 4.7       | 5.4        | 4.7        | 4.6                |                   |
| Dodge & Cox Stock 529                      | 13,503,164              | 1.0  | 20.9           | 7.2       | 7.5        | 12.3       | 13.0               | 01/01/1979        |
| Russell 1000 Value Index                   |                         |      | 16.3           | 2.8       | 6.1        | 9.7        | 11.8               |                   |
| Fidelity Ttl Intl Index 529                | 16,061,848              | 1.2  | 16.8           | 11.1      | 4.9        |            | 10.0               | 07/01/2016        |
| MSCI AC World ex USA IMI (Net)             |                         |      | 17.2           | 11.1      | 4.8        |            | 10.3               |                   |
| Fidelity U.S. Bond Index 529               | 4,101,652               | 0.3  | 0.8            | 7.8       | 5.4        | 4.4        | 3.7                | 06/01/2011        |
| Blmbg. Barc. U.S. Aggregate                |                         |      | 0.7            | 7.5       | 5.3        | 4.4        | 3.7                |                   |
| MetWest Total Return Bond 529              | 9,800,095               | 0.7  | 1.3            | 9.2       | 6.1        | 4.9        | 4.6                | 08/01/2011        |
| Blmbg. Barc. U.S. Aggregate                |                         |      | 0.7            | 7.5       | 5.3        | 4.4        | 3.6                |                   |
| Northern Small Cap Value 529               | 6,735,019               | 0.5  | 27.4           | -2.3      | 1.0        | 7.0        | 9.2                | 05/01/1994        |
| Russell 2000 Value Index                   |                         |      | 33.4           | 4.6       | 3.7        | 9.7        | 9.6                |                   |
| PGIM Total Return Bond 529                 | 3,075,917               | 0.2  | 2.4            | 8.1       | 6.1        | 6.0        | 5.4                | 01/01/2011        |
| Blmbg. Barc. U.S. Aggregate                |                         |      | 0.7            | 7.5       | 5.3        | 4.4        | 3.8                |                   |
| SPDR S&P Dividend ETF 529                  | 8,882,307               | 0.6  | 15.7           | 1.8       | 6.9        | 11.2       | 8.7                | 12/01/2005        |
| S&P High Yield Dividend Aristocrats Index  |                         |      | 15.8           | 2.1       | 7.3        | 11.6       | 9.0                |                   |
| State Street S&P 500 Index 529             | 27,547,717              | 2.0  | 12.0           | 18.1      | 14.0       | 14.9       | 12.8               | 10/01/2014        |
| S&P 500 Index                              |                         |      | 12.1           | 18.4      | 14.2       | 15.2       | 13.1               |                   |
| State Street US Govt Money Market 529      | 15,172,904              | 1.1  | 0.0            | 0.4       | 1.4        | 1.1        | 0.6                | 11/01/2007        |
| FTSE 3 Month T-Bill                        |                         |      | 0.0            | 0.6       | 1.6        | 1.2        | 0.7                |                   |
| T. Rowe Price Large-Cap Growth 529         | 40,079,478              | 2.9  | 13.0           | 39.6      | 23.2       | 21.5       | 12.3               | 11/01/2001        |
| Russell 1000 Growth Index                  |                         |      | 11.4           | 38.5      | 23.0       | 21.0       | 10.5               |                   |
| Van Sht-Trm Inf-Prtcted Sec ETF 529        | 2,205,246               | 0.2  | 1.3            | 5.0       | 3.4        | 2.8        | 1.4                | 11/01/2012        |
| Blmbg. Barc. 0-5 Year Treasury Strips      |                         |      | 0.1            | 4.1       | 3.3        | 2.3        | 1.7                |                   |
| Vanguard Explorer 529                      | 14,322,001              | 1.0  | 26.6           | 31.5      | 19.0       | 18.5       | 10.4               | 12/01/2001        |
| Russell 2500 Growth Index                  |                         |      | 25.9           | 40.5      | 19.9       | 18.7       | 10.9               |                   |
| Vanguard Extended Market ETF 529           | 15,964,527              | 1.2  | 27.4           | 32.2      | 15.3       | 16.0       | 10.7               | 01/01/2002        |
| S&P Completion Index                       |                         |      | 27.4           | 32.2      | 15.2       | 15.9       | 10.6               |                   |
| Vanguard FTSE Emerging Mkts ETF 529        | 5,085,587               | 0.4  | 16.9           | 15.3      | 5.8        | 11.7       | 7.6                | 04/01/2005        |
| Vanguard Spliced Emerging Markets Index    |                         |      | 17.5           | 15.5      | 5.8        | 11.7       | 7.7                |                   |

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



|   | Allocation              |     | Performance(%) |           |            |            |                    |                   |
|---|-------------------------|-----|----------------|-----------|------------|------------|--------------------|-------------------|
|   | Market<br>Value<br>(\$) | %   | 1<br>Quarter   | 1<br>Year | 3<br>Years | 5<br>Years | Since<br>Inception | Inception<br>Date |
| Vanguard Real Estate ETF 529                      | 4,202,266               | 0.3 | 9.2            | -4.7      | 4.9        | 5.6        | 8.0                | 10/01/2004        |
| Vanguard Real Estate Spliced Index                |                         |     | 9.3            | -4.6      | 5.1        | 5.8        | 8.1                |                   |
| Vanguard Short-Term Bond ETF 529                  | 5,285,655               | 0.4 | 0.3            | 4.7       | 3.6        | 2.7        | 2.9                | 05/01/2007        |
| Vanguard Splc Blmbg. Barc. US1-5YGv/Cr Fl Adj (N) |                         |     | 0.3            | 4.7       | 3.7        | 2.8        | 3.0                |                   |
| Vanguard Total Stock Market ETF 529               | 28,024,921              | 2.0 | 14.7           | 20.9      | 14.5       | 15.4       | 8.4                | 06/01/2001        |
| Vanguard Spliced Total Stock Market Index         |                         |     | 14.7           | 21.0      | 14.5       | 15.4       | 8.4                |                   |
| Seed Accounts                                     | 2,730                   | 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     | Performance(%) |           |            |            |                    |                   |  |
|--|-------------------------|-------|----------------|-----------|------------|------------|--------------------|-------------------|--|
|  | Market<br>Value<br>(\$) | %     | 1<br>Quarter   | 1<br>Year | 3<br>Years | 5<br>Years | Since<br>Inception | Inception<br>Date |  |
| TD Ameritrade                          | 1,838,708,256           | 100.0 |                |           |            |            |                    |                   |  |
| Age-Based Core 0-2 Years               | 24,458,197              | 1.3   |                |           |            |            |                    | 01/01/2021        |  |
| NEST Benchmark Core 0-2 yr             |                         |       |                |           |            |            |                    |                   |  |
| Age-Based Core 3-5 Years               | 63,220,096              | 3.4   |                |           |            |            |                    | 01/01/2021        |  |
| NEST Benchmark Core 3-5 yr             |                         |       |                |           |            |            |                    |                   |  |
| Age-Based Core 6-8 Years               | 101,044,338             | 5.5   |                |           |            |            |                    | 01/01/2021        |  |
| NEST Benchmark Core 6-8 yr             |                         |       |                |           |            |            |                    |                   |  |
| Age-Based Core 9-10 Years              | 85,507,405              | 4.7   |                |           |            |            |                    | 01/01/2021        |  |
| NEST Benchmark Core 9-10 yr            |                         |       |                |           |            |            |                    |                   |  |
| Age-Based Core 11-12 Years             | 100,199,614             | 5.4   |                |           |            |            |                    | 01/01/2021        |  |
| NEST Benchmark Core 11-12 yr           |                         |       |                |           |            |            |                    |                   |  |
| Age-Based Core 13-14 Years             | 116,042,833             | 6.3   |                |           |            |            |                    | 01/01/2021        |  |
| NEST Benchmark Core 13-14 yr           |                         |       |                |           |            |            |                    |                   |  |
| Age-Based Core 15-16 Years             | 122,319,096             | 6.7   |                |           |            |            |                    | 01/01/2021        |  |
| NEST Benchmark Core 15-16 yr           |                         |       |                |           |            |            |                    |                   |  |
| Age-Based Core 17-18 Years             | 124,531,681             | 6.8   |                |           |            |            |                    | 01/01/2021        |  |
| NEST Benchmark Core 17-18 yr           |                         |       |                |           |            |            |                    |                   |  |
| Age-Based Core 19+ Years               | 114,131,732             | 6.2   |                |           |            |            |                    | 01/01/2021        |  |
| NEST Benchmark Core 19+ yr             |                         |       |                |           |            |            |                    |                   |  |
| Age-Based Socially Aware 0-2 Years     | 918,610                 | 0.0   |                |           |            |            |                    | 01/01/2021        |  |
| NEST Benchmark Socially Aware 0-2 yr   |                         |       |                |           |            |            |                    |                   |  |
| Age-Based Socially Aware 3-5 Years     | 695,495                 | 0.0   |                |           |            |            |                    | 01/01/2021        |  |
| NEST Benchmark Socially Aware 3-5 yr   |                         |       |                |           |            |            |                    |                   |  |
| Age-Based Socially Aware 6-8 Years     | 793,910                 | 0.0   |                |           |            |            |                    | 01/01/2021        |  |
| NEST Benchmark Socially Aware 6-8 yr   |                         |       |                |           |            |            |                    |                   |  |
| Age-Based Socially Aware 9-10 Years    | 663,237                 | 0.0   |                |           |            |            |                    | 01/01/2021        |  |
| NEST Benchmark Socially Aware 9-10 yr  |                         |       |                |           |            |            |                    |                   |  |
| Age-Based Socially Aware 11-12 Years   | 263,342                 | 0.0   |                |           |            |            |                    | 01/01/2021        |  |
| NEST Benchmark Socially Aware 11-12 yr |                         |       |                |           |            |            |                    |                   |  |
| Age-Based Socially Aware 13-14 Years   | 688,014                 | 0.0   |                |           |            |            |                    | 01/01/2021        |  |
| NEST Benchmark Socially Aware 13-14 yr |                         |       |                |           |            |            |                    |                   |  |
| Age-Based Socially Aware 15-16 Years   | 733,241                 | 0.0   |                |           |            |            |                    | 01/01/2021        |  |
| NEST Benchmark Socially Aware 15-16 yr |                         |       |                |           |            |            |                    |                   |  |



|   | Allocation              |     |              |           | Perform    | ance(%)    |                    |                   |  |
|---|-------------------------|-----|--------------|-----------|------------|------------|--------------------|-------------------|--|
|   | Market<br>Value<br>(\$) | %   | 1<br>Quarter | 1<br>Year | 3<br>Years | 5<br>Years | Since<br>Inception | Inception<br>Date |  |
| Age-Based Socially Aware 17-18 Years              | 1,396,635               | 0.1 |              |           |            |            |                    | 01/01/2021        |  |
| NEST Benchmark Socially Aware 17-18 yr            |                         |     |              |           |            |            |                    |                   |  |
| Age-Based Socially Aware 19+ Years                | 514,986                 | 0.0 |              |           |            |            |                    | 01/01/2021        |  |
| NEST Benchmark Socially Aware 19+ yr              |                         |     |              |           |            |            |                    |                   |  |
| Core Aggressive Static                            | 90,735,557              | 4.9 |              |           |            |            |                    | 01/01/2021        |  |
| NEST Benchmark Core Aggressive Static             |                         |     |              |           |            |            |                    |                   |  |
| Core Growth Static                                | 23,680,834              | 1.3 |              |           |            |            |                    | 01/01/2021        |  |
| NEST Benchmark Core Growth Static                 |                         |     |              |           |            |            |                    |                   |  |
| Core Moderate Growth Static                       | 9,172,197               | 0.5 |              |           |            |            |                    | 01/01/2021        |  |
| NEST Benchmark Core Moderate Growth Static        |                         |     |              |           |            |            |                    |                   |  |
| Core Moderate Static                              | 41,127,579              | 2.2 |              |           |            |            |                    | 01/01/2021        |  |
| NEST Benchmark Core Moderate Static               |                         |     |              |           |            |            |                    |                   |  |
| Core Conservative Static                          | 2,517,082               | 0.1 |              |           |            |            |                    | 01/01/2021        |  |
| NEST Benchmark Core Conservative Static           |                         |     |              |           |            |            |                    |                   |  |
| Socially Aware Aggressive Static                  | 990,354                 | 0.1 |              |           |            |            |                    | 01/01/2021        |  |
| NEST Benchmark Socially Aware Aggressive Static   |                         |     |              |           |            |            |                    |                   |  |
| Socially Aware Growth Static                      | 524,516                 | 0.0 |              |           |            |            |                    | 01/01/2021        |  |
| NEST Benchmark Socially Aware Growth Static       |                         |     |              |           |            |            |                    |                   |  |
| Socially Aware Moderate Growth Static             | 809,369                 | 0.0 |              |           |            |            |                    | 01/01/2021        |  |
| NEST Benchmark Socially Aware Moderate Growth     |                         |     |              |           |            |            |                    |                   |  |
| Socially Aware Moderate Static                    | 290,002                 | 0.0 |              |           |            |            |                    | 01/01/2021        |  |
| NEST Benchmark Socially Aware Moderate Static     | ,                       |     |              |           |            |            |                    |                   |  |
| Socially Aware Conservative Static                | 117,892                 | 0.0 |              |           |            |            |                    | 01/01/2021        |  |
| NEST Benchmark Socially Aware Conservative        | ,                       |     |              |           |            |            |                    |                   |  |
| DFA World ex-US Government Fixed Income           | 4,433,334               | 0.2 | 0.7          | 6.4       | 6.0        |            | 4.8                | 06/01/2016        |  |
| Citigroup World Gov't Bond Index ex USA           | , ,                     |     | -2.4         | 1.3       | 4.2        |            | 3.4                |                   |  |
| Goldman Sachs Financial Square Gov't Money Market | 69,894,889              | 3.8 | 0.0          | 0.4       | 1.4        |            | 1.1                | 04/01/2016        |  |
| FTSE 3 Month T-Bill                               |                         |     | 0.0          | 0.6       | 1.6        |            | 1.2                |                   |  |
| iShares Core S&P Small-Cap ETF                    | 18,910,845              | 1.0 | 31.3         | 11.2      |            |            | 11.2               | 01/01/2020        |  |
| S&P SmallCap 600                                  |                         |     | 31.3         | 11.3      |            |            | 11.3               |                   |  |
| MetWest Total Return                              | 20,647,592              | 1.1 | 1.3          | 9.2       | 6.1        | 4.9        | 4.0                | 03/01/2015        |  |
| Blmbg. Barc. U.S. Aggregate                       |                         |     | 0.7          | 7.5       | 5.3        | 4.4        | 3.7                |                   |  |
| State Street MSCI ACWI Ex-US Index                | 44,650,635              | 2.4 | 17.0         | 11.0      | 5.2        | 9.2        | 8.3                | 01/01/2009        |  |
| MSCI AC World ex USA Index (Net)                  |                         |     | 17.0         | 10.7      | 4.9        | 8.9        | 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              |     |              |           | Perform    | ance(%)    |                    |                   |
|--|-------------------------|-----|--------------|-----------|------------|------------|--------------------|-------------------|
|  | Market<br>Value<br>(\$) | %   | 1<br>Quarter | 1<br>Year | 3<br>Years | 5<br>Years | Since<br>Inception | Inception<br>Date |
| State Street S&P 500 Index                         | 137,442,440             | 7.5 | 12.0         | 18.1      | 14.0       | 14.9       | 12.8               | 10/01/2014        |
| S&P 500 Index                                      |                         |     | 12.1         | 18.4      | 14.2       | 15.2       | 13.1               |                   |
| T. Rowe Price Large Cap Growth                     | 123,385,691             | 6.7 | 13.0         | 39.6      | 23.2       | 21.5       | 12.3               | 11/01/2001        |
| Russell 1000 Growth Index                          |                         |     | 11.4         | 38.5      | 23.0       | 21.0       | 10.5               |                   |
| Vanguard Emerging Markets Stock Index              | 25,551,465              | 1.4 | 16.9         | 15.3      |            |            | 15.3               | 01/01/2020        |
| FTSE Emerging Mkts All Cap China A Inclusion Index |                         |     | 17.5         | 15.8      |            |            | 15.8               |                   |
| Vanguard Equity Income                             | 25,599,292              | 1.4 | 13.1         | 3.1       | 6.8        | 10.7       | 11.7               | 07/01/2012        |
| FTSE High Dividend Yield Index                     |                         |     | 14.1         | 1.2       | 5.8        | 10.0       | 11.4               |                   |
| Vanguard Extended Market Index                     | 67,648,656              | 3.7 | 27.4         | 32.2      | 15.4       | 16.1       | 9.5                | 08/01/1997        |
| S&P Completion Index                               |                         |     | 27.4         | 32.2      | 15.2       | 15.9       | 9.4                |                   |
| Vanguard Real Estate Index                         | 20,791,430              | 1.1 | 9.2          | -4.7      | 5.0        | 5.7        | 8.5                | 01/01/2004        |
| Vanguard Real Estate Spliced Index                 |                         |     | 9.3          | -4.6      | 5.1        | 5.8        | 8.5                |                   |
| Vanguard Russell 1000 Value Index                  | 34,495,735              | 1.9 | 16.2         | 2.8       | 6.0        | 9.7        | 11.2               | 07/01/2012        |
| Russell 1000 Value Index                           |                         |     | 16.3         | 2.8       | 6.1        | 9.7        | 11.3               |                   |
| Vanguard Russell 2000 Growth Index                 | 48,957,428              | 2.7 | 29.7         | 34.8      |            |            | 34.8               | 01/01/2020        |
| Russell 2000 Growth Index                          |                         |     | 29.6         | 34.6      |            |            | 34.6               |                   |
| Vanguard Short-Term Bond Index                     | 13,623,598              | 0.7 | 0.3          | 4.7       | 3.6        | 2.7        | 2.0                | 10/01/2011        |
| Vanguard Splc Blmbg. Barc. US1-5YGv/Cr Fl Adj (N)  |                         |     | 0.3          | 4.7       | 3.7        | 2.8        | 2.1                |                   |
| Vanguard Short-Term Inflation-Protected Index      | 10,726,495              | 0.6 | 1.2          | 4.9       | 3.4        |            | 2.5                | 07/01/2016        |
| Blmbg. Barc. Global Inflation-Linked: U.S. TIPS    |                         |     | 1.6          | 11.0      | 5.9        |            | 4.3                |                   |
| Vanguard Total Bond Market Index                   | 37,779,881              | 2.1 | 0.7          | 7.7       | 5.4        | 4.5        | 3.3                | 07/01/2012        |
| Blmbg. Barc. U.S. Aggregate                        |                         |     | 0.7          | 7.5       | 5.3        | 4.4        | 3.3                |                   |
| Vanguard Total Stock Market Index                  | 115,925,712             | 6.3 | 14.7         | 21.0      | 14.5       | 15.5       | 13.8               | 01/01/2011        |
| CRSP US Total Market Index                         |                         |     | 14.7         | 21.0      | 14.5       | 15.4       | 13.8               |                   |



<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 –TDA 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 – TDA Socially Aware

|  | 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 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% |



#### 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                       | Jnderly        | ing Fun        | ds                         |               |             |                      |            |                   |
|---|--------------|---------|----------------------------------|----------------|----------------|----------------------------|---------------|-------------|----------------------|------------|-------------------|
| Aggressive Age-Based Option<br>Moderate Age-Based Option<br>Static Portfolios | Benk Savings | 19 plus | 19 plus<br>17-18<br>Conservative | 17-18<br>15-16 | 15-16<br>13-14 | 13-14<br>11-12<br>Balanced | 11-12<br>9-10 | 9-10<br>6-8 | 6-8<br>3-5<br>Growth | 3-5<br>0-2 | 0-2<br>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%              |



### CSP of Nebraska (Direct, Advisor, and TD Ameritrade)

## **Investment Watchlist Summary**

| invocatione vvaconioe Sammary                     |                            |  |   |                                   |                               |                          |                 |                 |  |  |
|---|----------------------------|--|---|-----------------------------------|-------------------------------|--------------------------|-----------------|-----------------|--|--|
|   | 1<br>Underperformed        | 2<br>Underperformed                        | 3<br>Diverged from                              | 4<br>Adverse                      | 5<br>Weak                     | 6<br>Significant         | Watch Li        | st Status       |  |  |
|   | During Trailing<br>5 Years | in 3 of 4<br>Trailing Calendar<br>Quarters | Strategy and/or<br>Portfolio<br>Characteristics | Change in<br>Portfolio<br>Manager | Manager<br>Research<br>Rating | Organizational<br>Change | Quarter<br>2020 | Quarter<br>2020 |  |  |
| 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 Russell 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*                         | Yes                        | No   | No  | No                                | No                            | No                       |                 |                 |  |  |
| Fidelity Total International Stock Index*         | N/A                        | No   | No  | No                                | No                            | No                       |                 |                 |  |  |
| State Street MSCI ACWI ex-US Index*               | No                         | No   | No  | No                                | No                            | No                       |                 |                 |  |  |
| Vanguard Total International Stock Index*         | No                         | Yes  | No  | No                                | No                            | No                       |                 |                 |  |  |
| Vanguard Emerging Markets Stocks Index*           | No                         | No   | No  | No                                | No                            | No                       |                 |                 |  |  |
| Vanguard Total International Bond 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                       |                 |                 |  |  |

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

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

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

### CSP of Nebraska (Direct, Advisor, and TD Ameritrade)

## **Investment Watchlist Summary**

| invocation: vvacorinot Sammary            |   |   |   |   |  |  |                                    |                                     |  |
|---|---|---|---|---|--|--|------------------------------------|-------------------------------------|--|
|   | 1<br>Underperformed<br>During Trailing<br>5 Years | 2<br>Underperformed<br>in 3 of 4<br>Trailing Calendar<br>Quarters | 3<br>Diverged from<br>Strategy and/or<br>Portfolio<br>Characteristics | 4<br>Adverse<br>Change in<br>Portfolio<br>Manager | 5<br>Weak<br>Manager<br>Research<br>Rating | 6<br>Significant<br>Organizational<br>Change | Watch Li<br>4th<br>Quarter<br>2020 | st Status<br>3rd<br>Quarter<br>2020 |  |
| 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                    | No  | No  | 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                         | Yes   | Yes   | 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  | 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

## Fee Schedule\*\*

|   | Ticker | Expense Ratio |
|---|--------|---------------|
| Am Funds The Inc Fund of America                  | RIDGX  | (%)<br>0.26   |
|   | DFSVX  | 0.26          |
| DFA World by US Covernment                        | DWFIX  |               |
| DFA World ex-US Government                        |        | 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  | 0.38          |
| 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  | 0.34          |
| 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          |
| <del>-</del>                                      |        | <u> </u>      |



<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 TD Ameritrade Plan. Nebraska Investment Council

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# **Enable Savings Plan**



|                                      | Allocation              | on Performance(%) |           |            |                    |                   |
|--------------------------------------|-------------------------|-------------------|-----------|------------|--------------------|-------------------|
|                                      | Market<br>Value<br>(\$) | 1<br>Quarter      | 1<br>Year | 3<br>Years | Since<br>Inception | Inception<br>Date |
| Enable Savings Plan                  | 17,819,551              |                   |           |            |                    |                   |
| Growth Option                        | 4,287,054               | 12.3              | 16.5      | 10.3       | 12.1               | 07/01/2016        |
| Enable Benchmark Growth Option       |                         | 12.3              | 16.0      | 10.4       | 12.4               |                   |
| Moderate Option                      | 2,530,904               | 9.3               | 14.4      | 9.0        | 9.9                | 07/01/2016        |
| Enable Benchmark Moderate Option     |                         | 9.3               | 13.5      | 9.0        | 10.1               |                   |
| Conservative Option                  | 1,716,263               | 4.9               | 9.5       | 6.2        | 6.0                | 07/01/2016        |
| Enable Benchmark Conservative Option |                         | 4.9               | 8.9       | 6.2        | 6.3                |                   |
| Bank Savings Option                  | 6,949,279               | 0.0               | 0.4       | 0.8        | 0.7                | 07/01/2016        |
| FTSE 3 Month T-Bill                  |                         | 0.0               | 0.6       | 1.6        | 1.3                |                   |
| Checking Option                      | 2,336,051               |                   |           |            |                    |                   |

| Enable Savings Plan: Nebraska | 15,244,168 | Enable Savings Plan: Alabama | 2,575,383 |
|-------------------------------|------------|------------------------------|-----------|
| Growth Option Nebraska        | 3,444,311  | Growth Option Alabama        | 842,743   |
| Moderate Option Nebraska      | 2,261,240  | Moderate Option Alabama      | 269,664   |
| Conservative Option Nebraska  | 1,423,194  | Conservative Option Alabama  | 293,069   |
| Bank Savings Option Nebraska  | 6,317,077  | Bank Savings Option Alabama  | 632,202   |
| Checking Option Nebraska      | 1,798,346  | Checking Option Alabama      | 537,705   |



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|---|-----|----|----|----|-----|----|
|   |     |    |    |    |     |    |

|  |              |           | renonnance(10) |                    |                   |
|--|--------------|-----------|----------------|--------------------|-------------------|
|  | 1<br>Quarter | 1<br>Year | 3<br>Years     | Since<br>Inception | Inception<br>Date |
| Vanguard Total Stock Market Index                  | 14.7         | 21.0      | 14.5           | 16.4               | 07/01/2016        |
| CRSP U.S. Total Market TR Index                    | 14.7         | 21.0      | 14.5           | 16.4               |                   |
| Vanguard International Stock Index                 | 16.9         | 11.3      | 5.0            | 10.1               | 07/01/2016        |
| FTSE All World ex-U.S. (Net)                       | 17.1         | 11.0      | 5.0            | 10.3               |                   |
| Vanguard Total Bond Market Index                   | 0.7          | 7.7       | 5.4            | 3.7                | 07/01/2016        |
| Blmbg. Barc. U.S. Aggregate Float Adjusted         | 0.7          | 7.7       | 5.4            | 3.8                |                   |
| Vangaurd Short Term Bond Index                     | 0.3          | 4.7       | 3.6            | 2.5                | 07/01/2016        |
| Blmbg. Barc. U.S. Gov/Credit Float Adj: 1-5 Year   | 0.3          | 4.7       | 3.7            | 2.5                |                   |
| Vanguard Short-Term Inflation Protected Securities | 1.2          | 4.9       | 3.4            | 2.5                | 07/01/2016        |
| Barclays U.S. 0-5 Year TIPS                        | 1.3          | 5.1       | 3.5            | 2.5                |                   |
| Vanguard Federal Money Market                      | 0.0          | 0.5       | 1.5            | 1.2                | 07/01/2016        |
| Citigroup 3 Month T-Bill                           | 0.0          | 0.6       | 1.6            | 1.3                |                   |



## 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%                |



# **Investment Watchlist Summary**

|  | 1<br>Underperformed<br>During Trailing<br>5 Years | 2<br>Underperformed<br>in 3 of 4<br>Trailing Calendar<br>Quarters | 3<br>Diverged from<br>Strategy and/or<br>Portfolio<br>Characteristics | 4<br>Adverse<br>Change in<br>Portfolio<br>Manager | 5<br>Weak<br>Manager<br>Research<br>Rating | 6<br>Significant<br>Organizational<br>Change | Watch Li<br>4th<br>Quarter<br>2020 | st Status<br>3rd<br>Quarter<br>2020 |
|--|---|---|---|---|--|--|------------------------------------|-------------------------------------|
| Vanguard Total Stock Market Index*                 | N/A   | No  | No  | No  | No   | No   |                                    |                                     |
| Vanguard International Stock Index*                | N/A   | No  | No  | No  | No   | No   |                                    |                                     |
| Vanguard Total Bond Market Index*                  | N/A   | No  | No  | No  | No   | No   |                                    |                                     |
| Vangaurd Short Term Bond Index*                    | N/A   | No  | No  | No  | No   | No   |                                    |                                     |
| Vanguard Short-Term Inflation Protected Securities | N/A   | No  | No  | No  | No   | No   |                                    |                                     |
| Vanguard Federal Money Market                      | N/A   | 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.

| 200    | N                      |  |
|--------|------------------------|--|
| 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

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# Total State Farm College Savings Plan



|   | Allocation              | on    |                      |                   |
|---|-------------------------|-------|----------------------|-------------------|
|   | Market<br>Value<br>(\$) | %     | - Since<br>Inception | Inception<br>Date |
| Total State Farm College Savings Plan   | 684,361,789             | 100.0 |                      |                   |
| State Farm Age-Based Investment Options | 510,667,597             | 74.6  |                      |                   |
| Age-Based 0-2                           | 3,985,427               | 0.6   |                      | 01/01/2021        |
| Age-Based Benchmark 0-2 yr              |                         |       |                      |                   |
| Age-Based 3-5                           | 18,925,780              | 2.8   |                      | 01/01/2021        |
| Age-Based Benchmark 3-5 yr              |                         |       |                      |                   |
| Age-Based 6-8                           | 54,002,236              | 7.9   |                      | 01/01/2021        |
| Age-Based Benchmark 6-8 yr              |                         |       |                      |                   |
| Age-Based 9-10                          | 50,900,401              | 7.4   |                      | 01/01/2021        |
| Age-Based Benchmark 9-10 yr             |                         |       |                      |                   |
| Age-Based 11-12                         | 59,924,352              | 8.8   |                      | 01/01/2021        |
| Age-Based Benchmark 11-12 yr            |                         |       |                      |                   |
| Age-Based 13-14                         | 69,757,092              | 10.2  |                      | 01/01/2021        |
| Age-Based Benchmark 13-14 yr            |                         |       |                      |                   |
| Age-Based 15-16                         | 84,873,912              | 12.4  |                      | 01/01/2021        |
| Age-Based Benchmark 15-16 yr            |                         |       |                      |                   |
| Age-Based 17-18                         | 91,842,884              | 13.4  |                      | 01/01/2021        |
| Age-Based Benchmark 17-18 yr            |                         |       |                      |                   |
| Age-Based 19+                           | 76,455,513              | 11.2  |                      | 01/01/2021        |
| Age-Based Benchmark 19+ yr              |                         |       |                      |                   |
| State Farm Static Investment Options    | 173,694,192             | 25.4  |                      |                   |
| All Equity Static                       | 91,779,435              | 13.4  |                      | 01/01/2021        |
| All Equity Static Benchmark             |                         |       |                      |                   |
| Growth Static                           | 44,089,893              | 6.4   |                      | 01/01/2021        |
| Growth Static Benchmark                 |                         |       |                      |                   |



|                                 | Allocation              | n   | -                  |                   |
|---------------------------------|-------------------------|-----|--------------------|-------------------|
|                                 | Market<br>Value<br>(\$) | %   | Since<br>Inception | Inception<br>Date |
| Moderate Growth Static          | 17,995,079              | 2.6 |                    | 01/01/2021        |
| Moderate Growth State Benchmark |                         |     |                    |                   |
| Balanced Static                 | 2,878,438               | 0.4 |                    | 01/01/2021        |
| Balanced Static Benchmark       |                         |     |                    |                   |
| Conservative Static             | 3,089,631               | 0.5 |                    | 01/01/2021        |
| Conservative Static Benchmark   |                         |     |                    |                   |
| Money Market Static             | 9,682,824               | 1.4 |                    | 01/01/2021        |
| FTSE 3 Month T-Bill             |                         |     |                    |                   |
| Bank Savings Static             | 4,178,893               | 0.6 |                    | 01/01/2021        |
| FTSE 3 Month T-Bill             |                         |     |                    |                   |



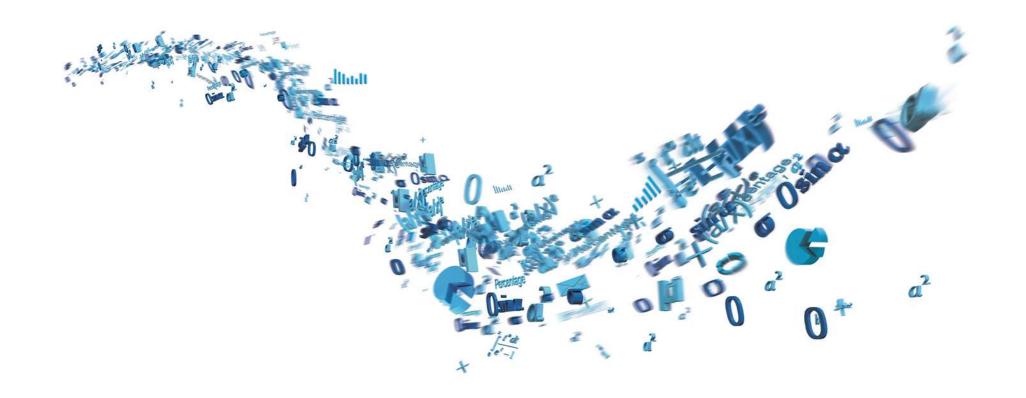
### State Farm Underlying Funds

## 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<br>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              | า     | Performance(%) |           |            |            |             |                    |                   |
|-----------------------------|-------------------------|-------|----------------|-----------|------------|------------|-------------|--------------------|-------------------|
|                             | Market<br>Value<br>(\$) | %     | 1<br>Quarter   | 1<br>Year | 3<br>Years | 5<br>Years | 10<br>Years | Since<br>Inception | Inception<br>Date |
| Total Endowment Plans       | 1,626,560,065           | 100.0 |                |           |            |            |             |                    |                   |
| Health Care Endowment       | 483,920,298             | 29.8  | 12.1           | 12.0      | 8.8        | 10.1       | 9.0         | 7.2                | 01/01/2001        |
| Health Care Policy          |                         |       | 11.0           | 14.8      | 9.9        | 10.9       | 9.2         | 6.6                |                   |
| 50/50 Endowments            | 1,068,376,446           | 65.7  | 8.4            | 8.4       | 6.9        | 8.1        | 7.3         | 7.5                | 01/01/1996        |
| 50/50 Endowment Policy      |                         |       | 7.7            | 12.7      | 8.7        | 9.2        | 7.9         | 7.2                |                   |
| Excess Liability Fund       | 74,263,321              | 4.6   | 1.5            | 8.6       | 5.8        | 5.3        | 4.3         | 5.7                | 07/01/1997        |
| Performance Benchmark       |                         |       | 1.3            | 7.6       | 5.5        | 4.9        | 4.2         | 5.4                |                   |
| Health Care Endowment Fixed | 106,991,712             | 6.6   | -0.1           | 5.1       | 3.7        | 2.7        | 2.1         | 3.3                | 12/01/2000        |
| Performance Benchmark       |                         |       | -0.2           | 5.2       | 3.8        | 2.7        | 2.3         | 3.3                |                   |



## Asset Class Performance

|   | Allocatio               | n     | Performance(%) |           |            |            |             |                    |                   |
|---|-------------------------|-------|----------------|-----------|------------|------------|-------------|--------------------|-------------------|
|   | Market<br>Value<br>(\$) | %     | 1<br>Quarter   | 1<br>Year | 3<br>Years | 5<br>Years | 10<br>Years | Since<br>Inception | Inception<br>Date |
| Total Health Care Endowment             | 483,920,297             | 100.0 | 12.1           | 12.0      | 8.8        | 10.1       | 9.0         | 7.2                | 01/01/2001        |
| Health Care Policy                      |                         |       | 11.0           | 14.8      | 9.9        | 10.9       | 9.2         | 6.6                |                   |
| Total US Equity                         | 143,983,187             | 29.8  | 15.0           | 20.2      | 14.0       | 15.1       | 13.6        | 8.7                | 01/01/2002        |
| Dow Jones U.S. Total Stock Market Index |                         |       | 14.8           | 20.8      | 14.4       | 15.4       | 13.7        | 9.1                |                   |
| Total Non-US Equity                     | 64,379,608              | 13.3  | 17.2           | 11.1      | 4.6        | 9.2        | 5.0         | 5.0                | 01/01/2001        |
| MSCI All Country World ex-U.S. IMI*     |                         |       | 17.2           | 11.1      | 4.8        | 9.0        | 5.1         | 5.3                |                   |
| Total Global Equity                     | 119,300,753             | 24.7  | 20.7           | 10.9      | 7.8        | 10.5       | 9.0         | 8.8                | 09/01/2005        |
| MSCI All Country World IMI*             |                         |       | 15.7           | 16.3      | 9.7        | 12.1       | 9.1         | 7.5                |                   |
| Total Fixed Income                      | 106,991,712             | 22.1  | -0.1           | 5.1       | 3.7        | 2.7        | 2.1         | 3.3                | 12/01/2000        |
| Performance Benchmark                   |                         |       | -0.2           | 5.2       | 3.8        | 2.7        | 2.3         | 3.3                |                   |
| Total Real Estate                       | 15,689,085              | 3.2   |                |           |            |            |             |                    |                   |
| Total Private Equity                    | 33,575,952              | 6.9   |                |           |            |            |             |                    |                   |

|   | Allocation              | n     | Performance(%) |           |            |            |             |                    |                   |
|---|-------------------------|-------|----------------|-----------|------------|------------|-------------|--------------------|-------------------|
|   | Market<br>Value<br>(\$) | %     | 1<br>Quarter   | 1<br>Year | 3<br>Years | 5<br>Years | 10<br>Years | Since<br>Inception | Inception<br>Date |
| Total 50/50 Endowment                   | 1,068,376,446           | 100.0 | 8.4            | 8.4       | 6.9        | 8.1        | 7.3         | 7.5                | 01/01/1996        |
| 50/50 Endowment Policy                  |                         |       | 7.7            | 12.7      | 8.7        | 9.2        | 7.9         | 7.2                |                   |
| Total US Equity                         | 218,788,827             | 20.5  | 17.2           | 3.5       | 6.1        | 9.8        | 10.5        | 7.1                | 01/01/2002        |
| Dow Jones U.S. Total Stock Market Index |                         |       | 14.8           | 20.8      | 14.4       | 15.4       | 13.7        | 9.1                |                   |
| Total Non-US Equity                     | 89,344,938              | 8.4   | 17.2           | 11.1      | 4.6        | 9.2        | 5.0         | 5.0                | 01/01/2001        |
| MSCI All Country World ex-U.S. IMI*     |                         |       | 17.2           | 11.1      | 4.8        | 9.0        | 5.1         | 5.3                |                   |
| Total Global Equity                     | 137,290,125             | 12.9  | 20.7           | 10.9      | 7.8        | 10.5       | 9.0         | 8.8                | 09/01/2005        |
| MSCI All Country World IMI*             |                         |       | 15.7           | 16.3      | 9.7        | 12.1       | 9.1         | 7.5                |                   |
| Total Fixed Income                      | 508,232,306             | 47.6  | 1.5            | 8.6       | 5.8        | 5.2        | 4.3         | 5.7                | 07/01/1997        |
| Blmbg. Barc. Universal Bond Index*      |                         |       | 1.3            | 7.6       | 5.5        | 4.9        | 4.2         | 5.4                |                   |
| Total Real Estate                       | 43,514,060              | 4.1   |                |           |            |            |             |                    |                   |
| Total Private Equity                    | 71,206,190              | 6.7   |                |           |            |            |             |                    |                   |



<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              | ı     | Performance(%) |           |            |            |             |                    |                   |
|---|-------------------------|-------|----------------|-----------|------------|------------|-------------|--------------------|-------------------|
|   | Market<br>Value<br>(\$) | %     | 1<br>Quarter   | 1<br>Year | 3<br>Years | 5<br>Years | 10<br>Years | Since<br>Inception | Inception<br>Date |
| Total Endowment                               | 1,519,568,353           | 100.0 |                |           |            |            |             |                    |                   |
| Total U.S. Equity                             | 362,772,015             | 23.9  | 16.3           | 10.4      | 9.3        | 12.0       | 11.8        | 7.6                | 01/01/2002        |
| Dow Jones U.S. Total Stock Market Index       |                         |       | 14.8           | 20.8      | 14.4       | 15.4       | 13.7        | 9.1                |                   |
| DFA   | 34,329,776              | 2.3   | 28.7           | 11.2      | 5.5        | 10.1       | 10.3        | 10.1               | 01/01/2002        |
| Russell 2000 Index*                           |                         |       | 31.4           | 20.0      | 10.2       | 13.3       | 10.9        | 9.5                |                   |
| BlackRock Russell 1000 (Healthcare Endowment) | 129,513,206             | 8.5   | 13.7           | 21.0      | 14.9       | 15.6       | -           | 14.8               | 02/01/2013        |
| Russell 1000 Index                            |                         |       | 13.7           | 21.0      | 14.8       | 15.6       | -           | 14.8               |                   |
| BlackRock Russell 1000 Value Index            | 198,909,409             | 13.1  | 16.1           | 2.9       | 6.1        | 9.7        | -           | 11.0               | 12/01/2012        |
| Russell 1000 Value Index                      |                         |       | 16.3           | 2.8       | 6.1        | 9.7        | -           | 11.1               |                   |
| BlackRock Russell 1000 Index                  | 19,624                  | 0.0   |                |           |            |            |             |                    |                   |
| Total Non-U.S. Equity                         | 153,724,546             | 10.1  | 17.2           | 11.1      | 4.6        | 9.2        | 5.0         | 5.0                | 01/01/2001        |
| MSCI All Country World ex-U.S. IMI*           |                         |       | 17.2           | 11.1      | 4.8        | 9.0        | 5.1         | 5.3                |                   |
| BlackRock All Country World ex-U.S. IMI       | 153,724,546             | 10.1  | 17.2           | 11.1      | 4.8        | 9.0        | 5.2         | 4.6                | 01/01/2001        |
| MSCI All Country World ex-U.S. IMI*           |                         |       | 17.2           | 11.1      | 4.8        | 9.0        | 5.2         | 4.6                |                   |
| Total Global Equity                           | 256,590,878             | 16.9  | 20.7           | 10.9      | 7.8        | 10.5       | 9.0         | 8.8                | 09/01/2005        |
| MSCI All Country World IMI*                   |                         |       | 15.7           | 16.3      | 9.7        | 12.1       | 9.1         | 7.5                |                   |
| MFS   | 108,970,275             | 7.2   | 14.8           | 14.1      | 10.8       | 12.7       | 11.1        | 9.6                | 10/01/2005        |
| MSCI All Country World IMI*                   |                         |       | 15.7           | 16.3      | 9.7        | 12.1       | 9.1         | 7.3                |                   |
| Wellington Equity                             | 38,082,791              | 2.5   | 29.3           | 13.7      | 5.5        | -          | -           | 11.2               | 12/01/2016        |
| MSCI AC World Small Cap (Net)                 |                         |       | 23.7           | 16.3      | 7.5        | -          | -           | 11.7               |                   |
| Dodge & Cox                                   | 109,533,467             | 7.2   | 24.1           | 6.0       | 4.7        | -          | -           | 6.7                | 07/01/2017        |
| MSCI AC World IMI (Net)                       |                         |       | 15.7           | 16.3      | 9.7        | -          | -           | 11.6               |                   |
| Mondrian                                      | 2,391                   | 0.0   |                |           |            |            |             |                    |                   |



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

|  | Allocation              | 1    | Performance(%) |           |            |            |             |                    |                   |
|--|-------------------------|------|----------------|-----------|------------|------------|-------------|--------------------|-------------------|
|  | Market<br>Value<br>(\$) | %    | 1<br>Quarter   | 1<br>Year | 3<br>Years | 5<br>Years | 10<br>Years | Since<br>Inception | Inception<br>Date |
| Total Fixed Income                           | 582,495,627             | 38.3 | 1.5            | 8.6       | 5.8        | 5.2        | 4.3         | 5.7                | 07/01/1997        |
| Blmbg. Barc. Universal Bond Index*           |                         |      | 1.3            | 7.6       | 5.5        | 4.9        | 4.2         | 5.4                |                   |
| PIMCO  | 134,261,311             | 8.8  | 1.6            | 8.5       | 5.7        | 5.4        | 4.2         | 5.7                | 04/01/1998        |
| Blmbg. Barc. Universal Bond Index*           |                         |      | 1.3            | 7.6       | 5.5        | 4.9        | 4.2         | 5.2                |                   |
| Loomis Sayles                                | 37,977,607              | 2.5  | 4.6            | 15.3      | 8.0        | 8.4        | 6.8         | 7.1                | 07/01/2006        |
| Blmbg. Barc. Universal Bond Index*           |                         |      | 1.3            | 7.6       | 5.5        | 4.9        | 4.2         | 5.3                |                   |
| BlackRock Aggregate Bond Index               | 274,668,796             | 18.1 | 0.7            | 7.6       | 5.4        | 4.5        | 3.9         | 4.5                | 12/01/2006        |
| Blmbg. Barc. U.S. Aggregate                  |                         |      | 0.7            | 7.5       | 5.3        | 4.4        | 3.8         | 4.4                |                   |
| Neuberger Berman Core Plus                   | 135,587,913             | 8.9  | 2.1            | 8.8       | 6.0        | 5.5        | -           | 4.9                | 07/01/2015        |
| Blmbg. Barc. Universal Bond Index            |                         |      | 1.3            | 7.6       | 5.5        | 4.9        | -           | 4.4                |                   |
| Total Real Estate                            | 59,203,145              | 3.9  |                |           |            |            |             |                    |                   |
| Metropolitan Real Estate Partners (Combined) | 2,705,917               | 0.2  |                |           |            |            |             |                    |                   |
| Prudential PRISA                             | 9,333,698               | 0.6  |                |           |            |            |             |                    |                   |
| UBS Trumbull                                 | 10,988,246              | 0.7  |                |           |            |            |             |                    |                   |
| Landmark VII                                 | 2,094,289               | 0.1  |                |           |            |            |             |                    |                   |
| UBS Trumbull Property Income                 | 6,386,326               | 0.4  |                |           |            |            |             |                    |                   |
| MREP SCIF                                    | 4,329,575               | 0.3  |                |           |            |            |             |                    |                   |
| Torchlight Debt Opportunity                  | 388,205                 | 0.0  |                |           |            |            |             |                    |                   |
| Real Estate Cash                             | 5,333,100               | 0.4  |                |           |            |            |             |                    |                   |
| Total Private Equity                         | 104,782,142             | 6.9  |                |           |            |            |             |                    |                   |
| Abbott Capital VI                            | 22,151,445              | 1.5  |                |           |            |            |             |                    |                   |
| Abbott Capital VII                           | 24,982,694              | 1.6  |                |           |            |            |             |                    |                   |
| RCP Fund VII                                 | 11,769,212              | 0.8  |                |           |            |            |             |                    |                   |
| RCP Fund VIII                                | 9,080,802               | 0.6  |                |           |            |            |             |                    |                   |
| Dover Street VIII L.P.                       | 5,178,244               | 0.3  |                |           |            |            |             |                    |                   |
| Ironside Partnership Fund V                  | 19,385,195              | 1.3  |                |           |            |            |             |                    |                   |
| Dover Street X L.P.                          | 4,117,609               | 0.3  |                |           |            |            |             |                    |                   |
| Private Equity Cash                          | 8,116,941               | 0.5  |                |           |            |            |             |                    |                   |

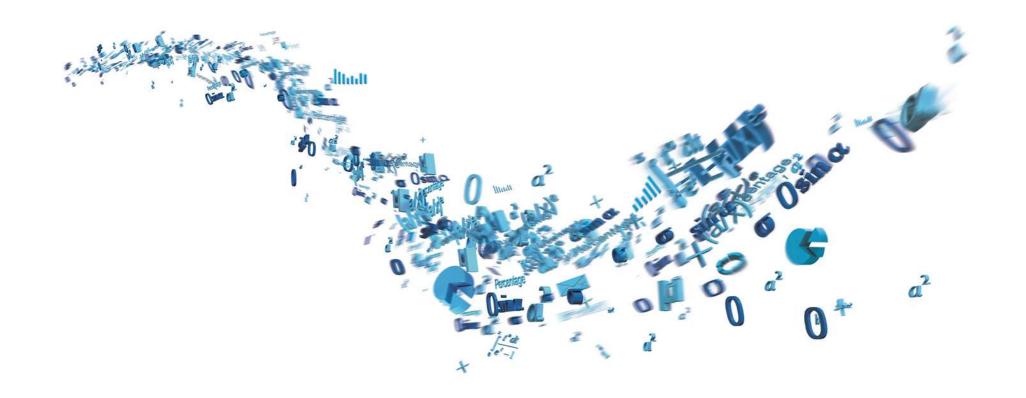
Inception-to-date IRR for Real Estate 8.2% as of 9/30/2020. The Inception-to-Date IRR for Private Equity is 15.5% as of 9/30/2020.



<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**



### As of December 31, 2020

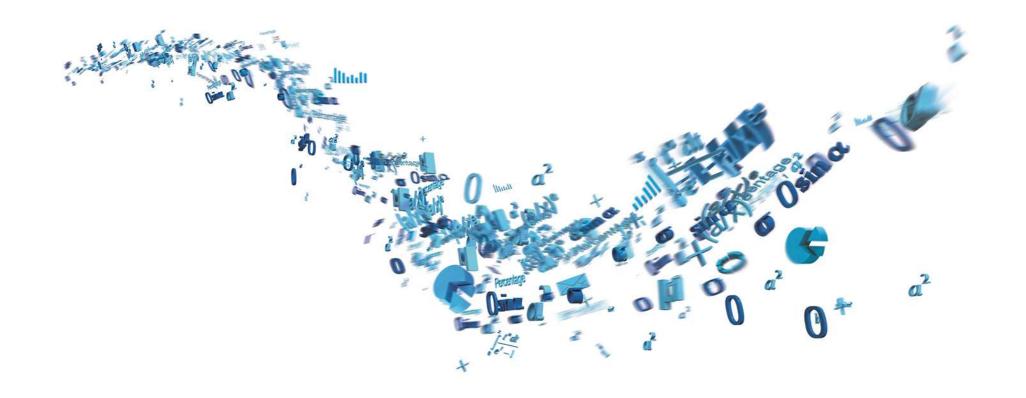
# Asset Allocation & Performance

|   | Allocation                               | on         |                   |                   | P                               | erformance(%                | (o)                       |                    |                   |
|---|--|------------|-------------------|-------------------|---------------------------------|-----------------------------|---------------------------|--------------------|-------------------|
|   | Market<br>Value<br>(\$)                  | %          | 1<br>Quarter      | 1<br>Year         | 3<br>Years                      | 5<br>Years                  | 10<br>Years               | Since<br>Inception | Inception<br>Date |
| Total In-House Plans                                      | 9,845,708                                | 100.0      |                   |                   |                                 |                             |                           |                    |                   |
| Aeronautics   | 7,049,890                                | 71.6       | -0.9              | 8.2               | 5.3                             | 3.7                         | 3.4                       | 6.0                | 01/01/1990        |
| Blmbg. Barc. U.S. Treasury                                |  |            | -0.8              | 8.0               | 5.2                             | 3.8                         | 3.3                       | 5.6                |                   |
| Agricultural Development                                  | 2,795,818                                | 28.4       | -0.8              | 8.5               | 5.5                             | 3.8                         | 3.5                       | 6.2                | 01/01/1989        |
| Blmbg. Barc. U.S. Treasury                                |  |            | -0.8              | 8.0               | 5.2                             | 3.8                         | 3.3                       | 5.9                |                   |
|   |  |            |                   |                   |                                 |                             |                           |                    |                   |
|   | Allocatio                                | n          |                   |                   | i                               | Performance(9               | %)                        |                    |                   |
|   | Allocatio<br>Market<br>Value<br>(\$)     | n<br>%     | 1<br>Quarter      | 1<br>Year         | 3<br>Years                      | Performance(9<br>5<br>Years | %)<br>10<br>Years         | Since<br>Inception | Inception<br>Date |
| Total OIP   | Market<br>Value                          |            | 1<br>Quarter      | 1<br>Year<br>5.0  | 3                               | 5                           | 10                        |                    |                   |
| Total OIP Performance Benchmark                           | Market<br>Value<br>(\$)                  | %          |                   |                   | 3<br>Years                      | 5<br>Years                  | 10<br>Years               | Inception          | Date              |
|   | Market<br>Value<br>(\$)                  | %          | 0.2               | 5.0               | 3<br>Years<br>3.9               | 5<br>Years<br>3.1           | 10<br>Years<br>2.5        | Inception<br>3.9   | Date              |
| Performance Benchmark                                     | Market<br>Value<br>(\$)<br>5,544,053,256 | %<br>100.0 | 0.2<br>0.2        | 5.0<br>5.5        | 3<br>Years<br>3.9<br>4.1        | 5<br>Years<br>3.1<br>3.1    | 10<br>Years<br>2.5<br>2.7 | 3.9<br>3.8         | Date 01/01/1997   |
| Performance Benchmark  Internal Short–Term Liquidity Pool | Market<br>Value<br>(\$)<br>5,544,053,256 | %<br>100.0 | 0.2<br>0.2<br>0.0 | 5.0<br>5.5<br>0.3 | 3<br>Years<br>3.9<br>4.1<br>1.3 | 5<br>Years<br>3.1<br>3.1    | 10<br>Years<br>2.5<br>2.7 | 3.9<br>3.8<br>3.0  | Date 01/01/1997   |

|                           | Total Fun  | d     |
|---------------------------|------------|-------|
|                           | \$         | %     |
| Time Deposit Open Account | 39,269,801 | 100.0 |

The Internal Short-Term Liquidity Pool includes the DB STIF amount of \$14,505,364. When summing the assets of all NIC plans, the DB STIF has been counted in the DB Plan and removed from the In-House Plan to avoid double counting.

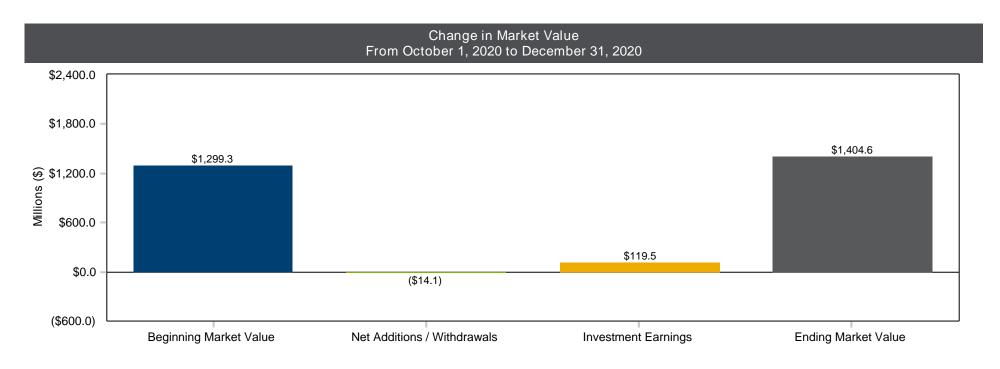




# **OSERS**



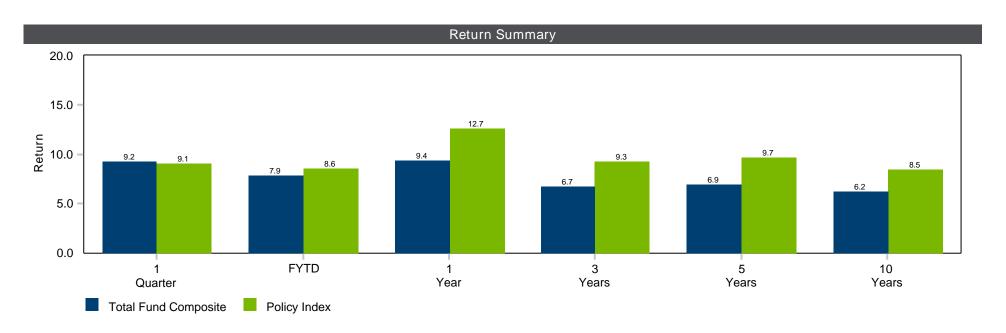
### **Total Plan Asset Summary**

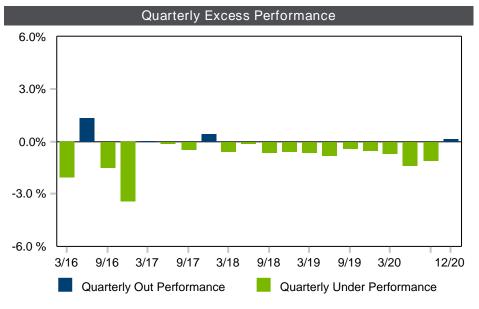


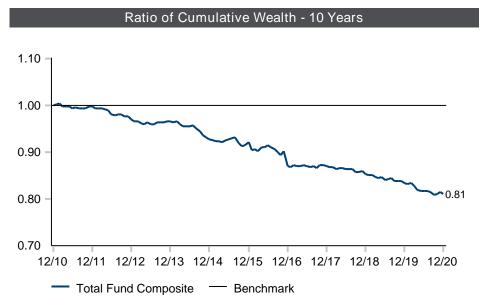
#### Summary of Cash Flow 1 **FYTD** Quarter Year Beginning Market Value 1,299,275,752 1,324,122,168 1,323,663,060 + Additions / Withdrawals -14,147,051 -23,192,049 -38,385,406 + Investment Earnings 119,480,948 103,679,531 119,331,996 = Ending Market Value 1,404,609,649 1,404,609,649 1,404,609,649



## Total Plan Performance Summary







Fiscal Year ends August 31.



|                                  | Allocation              |       |              |           | Performa  | ance(%)    |            |             |
|----------------------------------|-------------------------|-------|--------------|-----------|-----------|------------|------------|-------------|
|                                  | Market<br>Value<br>(\$) | %     | 1<br>Quarter | FYTD      | 1<br>Year | 3<br>Years | 5<br>Years | 10<br>Years |
| OSERS                            | 1,404,609,649           | 100.0 | 9.2 (72)     | 7.9 (76)  | 9.4 (73)  | 6.7 (84)   | 6.9 (94)   | 6.2 (91)    |
| Policy Index                     |                         |       | 9.1 (76)     | 8.6 (56)  | 12.7 (29) | 9.3 (14)   | 9.7 (37)   | 8.5 (29)    |
| U.S. Equity Composite            | 321,989,047             | 22.9  | 15.2 (67)    | 10.9 (69) | 20.4 (33) | 14.0 (36)  | 13.9 (66)  | 11.5 (89)   |
| Custom U.S. Equity Index         |                         |       | 14.8 (73)    | 10.5 (75) | 20.8 (30) | 14.4 (27)  | 15.9 (13)  | 12.9 (54)   |
| BlackRock Russell 1000 Index     | 288,168,998             | 20.5  | 13.8 (39)    | 9.6 (45)  | 21.1 (35) | 14.8 (35)  | -          | -           |
| Russell 1000 Index               |                         |       | 13.7 (40)    | 9.5 (45)  | 21.0 (35) | 14.8 (35)  | -          | -           |
| Dimensional Fund Advisors        | 33,820,050              | 2.4   | 29.2 (38)    | 23.9 (46) | 11.5 (70) | 6.0 (73)   | -          | -           |
| Russell 2000 Index               |                         |       | 31.4 (20)    | 27.0 (21) | 20.0 (32) | 10.2 (37)  | -          | -           |
| Global Equity Composite          | 253,885,057             | 18.1  | 20.2 (19)    | 16.8 (21) | 15.1 (53) | 9.2 (51)   | 11.4 (49)  | 9.8 (45)    |
| Custom Global Equity Index       |                         |       | 15.7 (38)    | 12.1 (42) | 16.3 (50) | 9.7 (49)   | 12.1 (44)  | 9.2 (56)    |
| Arrowstreet                      | 85,411,056              | 6.1   | 19.2 (21)    | 16.1 (23) | 21.8 (31) | 11.6 (39)  | -          | -           |
| MSCI AC World IMI (Net)          |                         |       | 15.7 (38)    | 12.1 (42) | 16.3 (50) | 9.7 (49)   | -          | -           |
| MFS                              | 76,641,770              | 5.5   | 14.8 (46)    | 12.8 (37) | 14.2 (56) | 10.8 (42)  | -          | -           |
| MSCI AC World IMI (Net)          |                         |       | 15.7 (38)    | 12.1 (42) | 16.3 (50) | 9.7 (49)   | -          | -           |
| Wellington Equity                | 30,959,893              | 2.2   | 30.0 (7)     | 26.3 (7)  | 14.1 (54) | 6.5 (68)   | -          | -           |
| MSCI AC World Small Cap (Net)    |                         |       | 23.7 (44)    | 21.1 (50) | 16.3 (48) | 7.5 (66)   | -          | -           |
| Dodge & Cox                      | 60,872,338              | 4.3   | 24.1 (15)    | 18.6 (17) | 5.9 (67)  | 4.6 (71)   | -          | -           |
| MSCI AC World IMI (Net)          |                         |       | 15.7 (44)    | 12.1 (48) | 16.3 (35) | 9.7 (41)   | -          | -           |
| International Equity Composite   | 147,176,213             | 10.5  | 17.2 (50)    | 14.5 (58) | 11.3 (57) | 4.9 (53)   | -          | -           |
| MSCI AC World ex USA IMI (Net)   |                         |       | 17.2 (50)    | 14.5 (58) | 11.1 (57) | 4.8 (53)   | -          | -           |
| BlackRock ACWI ex-U.S. IMI Index | 147,176,213             | 10.5  | 17.2 (50)    | 14.5 (58) | 11.3 (57) | 5.1 (51)   | -          | -           |
| MSCI AC World ex USA IMI (Net)   |                         |       | 17.2 (50)    | 14.5 (58) | 11.1 (57) | 4.8 (53)   | -          | -           |



|   | Allocation              | Allocation Performance(%) |              |          |           |            |            |             |
|---|-------------------------|---------------------------|--------------|----------|-----------|------------|------------|-------------|
|   | Market<br>Value<br>(\$) | %                         | 1<br>Quarter | FYTD     | 1<br>Year | 3<br>Years | 5<br>Years | 10<br>Years |
| Total Fixed Income                                | 379,379,826             | 27.0                      | 1.4 (61)     | 1.3 (65) | 8.4 (58)  | 5.8 (49)   | 0.7 (100)  | 2.4 (96)    |
| Custom Fixed Income Index                         |                         |                           | 1.3 (65)     | 1.1 (72) | 7.6 (76)  | 5.5 (69)   | 4.6 (88)   | 3.9 (85)    |
| BlackRock Aggregate Bond Index                    | 160,470,928             | 11.4                      | 0.7 (78)     | 0.7 (79) | 7.7 (63)  | 5.4 (60)   | -          | -           |
| Blmbg. Barc. U.S. Aggregate                       |                         |                           | 0.7 (80)     | 0.6 (83) | 7.5 (70)  | 5.3 (70)   | -          | -           |
| BlackRock Core Plus Universal                     | 58,329,049              | 4.2                       | 1.3 (75)     | 1.2 (80) | 8.2 (59)  | 5.6 (63)   | -          | -           |
| Blmbg. Barc. Universal Bond Index                 |                         |                           | 1.3 (76)     | 1.1 (84) | 7.6 (78)  | 5.5 (73)   | -          | -           |
| PIMCO   | 81,239,834              | 5.8                       | 1.8 (60)     | 1.7 (60) | 9.4 (29)  | 6.3 (26)   | -          | -           |
| Blmbg. Barc. Universal Bond Index                 |                         |                           | 1.3 (76)     | 1.1 (84) | 7.6 (78)  | 5.5 (73)   | -          | -           |
| Neuberger Berman Core Plus                        | 78,292,343              | 5.6                       | 2.6 (28)     | 2.2 (35) | 9.5 (26)  | 6.4 (20)   | -          | -           |
| Blmbg. Barc. Universal Bond Index                 |                         |                           | 1.3 (76)     | 1.1 (84) | 7.6 (78)  | 5.5 (73)   | -          | -           |
| OSERS Contributions & Withdrawals                 | 1,047,671               | 0.1                       |              |          |           |            |            |             |
|   |                         |                           |              |          |           |            |            |             |
| Hedge Fund Composite                              | 7,065,459               | 0.5                       | 0.0          | 0.0      | 1.3       | -5.2       | -3.3       | -2.5        |
| HFRI RV: Multi-Strategy Index                     |                         |                           | 3.9          | 4.5      | 6.5       | 3.8        | 4.4        | 3.9         |
| Vaquero EMD                                       | 7,053,630               | 0.5                       | 0.0          | 0.0      | 1.3       | -7.6       | -3.3       | -6.2        |
| Blmbg. Barc. Emerging Markets USD Aggregate Index |                         |                           | 4.5          | 3.2      | 6.5       | 5.5        | 6.9        | 6.0         |
| Hedge Fund Cash                                   | 11,830                  | 0.0                       |              |          |           |            |            |             |
|   |                         |                           |              |          |           |            |            |             |
| Real Asset Composite                              | 13,189,764              | 0.9                       | 0.8          | 0.8      | -18.8     | -11.1      | -3.8       | -           |
| Custom Real Asset Benchmark                       |                         |                           | 7.0          | 10.7     | 9.4       | 7.5        | 10.0       | -           |
| BTG   | 1,300,595               | 0.1                       |              |          |           |            |            |             |
| JP Morgan Global Maritime                         | 11,843,723              | 0.8                       |              |          |           |            |            |             |
| Real Asset Cash                                   | 45,445                  | 0.0                       |              |          |           |            |            |             |
|   |                         |                           |              |          |           |            |            |             |
| Private Equity Composite                          | 145,727,514             | 10.4                      | 2.1          | 4.1      | -0.8      | 5.5        | 6.8        | 6.3         |
| Burgiss All US PE (1-Qtr Lag)                     |                         |                           | 9.3          | 19.6     | 15.0      | 14.6       | 13.4       | 14.2        |
| AAVIN Mezzanine Credit Funds                      | 27,357,975              | 1.9                       |              |          |           |            |            |             |
| FCP Capital                                       | 11,974,387              | 0.9                       |              |          |           |            |            |             |
| SPC Capital*                                      | 71,200,303              | 5.1                       |              |          |           |            |            |             |
| Stonetree Capital                                 | 30,490,100              | 2.2                       |              |          |           |            |            |             |
| Private Equity Cash                               | 4,704,749               | 0.3                       |              |          |           |            |            |             |

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



|   | Allocation              |     | Performance(%) |      |           |            |            |             |
|---|-------------------------|-----|----------------|------|-----------|------------|------------|-------------|
|   | Market<br>Value<br>(\$) | %   | 1<br>Quarter   | FYTD | 1<br>Year | 3<br>Years | 5<br>Years | 10<br>Years |
| Real Estate Composite                     | 136,196,770             | 9.7 | 2.9            | 4.6  | -6.4      | -1.4       | 1.2        | -           |
| NCREIF Property Index                     |                         |     | 1.2            | 1.9  | 1.6       | 4.9        | 5.9        | -           |
| 25 Capital Residential Mortgage Opp. Fund | 14,233,576              | 1.0 |                |      |           |            |            |             |
| Mariner IV                                | 44,143,756              | 3.1 |                |      |           |            |            |             |
| Almanac Realty Securities VI              | 3,186,939               | 0.2 |                |      |           |            |            |             |
| Almanac Realty Securities VII             | 14,611,518              | 1.0 |                |      |           |            |            |             |
| JPM Strategic                             | 15,075,228              | 1.1 |                |      |           |            |            |             |
| JP Morgan India Property Fund II          | 9,685,499               | 0.7 |                |      |           |            |            |             |
| Mariner III                               | 10,743,239              | 0.8 |                |      |           |            |            |             |
| UBS Trumbull                              | 13,008,682              | 0.9 |                |      |           |            |            |             |
| Real Estate Cash                          | 11,508,331              | 0.8 |                |      |           |            |            |             |



# OSERS Private Markets Manager IRR Summary (Through 9/30/2020)

### **Private Equity Portfolio**

| Investment                     | Vintage<br>Year | Total<br>Commitments | Quarter | Inception |
|--------------------------------|-----------------|----------------------|---------|-----------|
| SPC I-IV <sup>1</sup>          | 2001            | \$163,958,323        | 4.14%   | 5.13%     |
| FCP Fund II                    | 2011            | 30,000,000           | 1.39%   | 8.24%     |
| Stonetree IV                   | 2012            | 53,152,755           | 10.89%  | 5.46%     |
| AAVIN Mezzanine Fund, LP       | 2014            | 5,000,000            | 1.89%   | 12.46%    |
| AAVIN Equity Partners II, LP   | 2015            | 25,000,000           | 2.07%   | 11.12%    |
| Total Private Equity Portfolio |                 | \$277,111,078        | 4.94%   | 5.72%     |

#### **Real Assets Portfolio**

| Investment                  | Vintage<br>Year | Total<br>Commitments | Quarter | Inception |
|-----------------------------|-----------------|----------------------|---------|-----------|
| BTG Pactual Timberland      | 2004            | \$25,000,000         | -0.85%  | 1.19%     |
| JP Morgan Maritime Global   | 2010            | 25,000,000           | 1.02%   | -10.25%   |
| Total Real Assets Portfolio |                 | \$50,000,000         | 0.83%   | -1.77%    |

#### **Real Estate Portfolio**

| Investment   | Vintage<br>Year | Total<br>Commitments | Quarter | Inception |
|--|-----------------|----------------------|---------|-----------|
| UBS Trumbull Property Fund                         | 1995            | \$33,615,067         | -0.36%  | 10.39%    |
| JPMorgan Strategic Property Fund                   | 1998            | 48,165,726           | -0.29%  | 9.63%     |
| Almanac Realty Securities Fund VI, L.P.            | 2011            | 25,000,000           | 0.62%   | 9.35%     |
| Mariner Real Estate Partners III, L.P.             | 2011            | 50,000,000           | -2.12%  | 7.66%     |
| 25 Capital Residential Mortgage Opportunities Fund | 2012            | 50,000,000           | 68.21%  | 1.71%     |
| JP Morgan India Property Fund II                   | 2012            | 25,000,000           | 1.93%   | -17.29%   |
| Mariner Real Estate Partners IV, L.P.              | 2014            | 60,000,000           | 0.76%   | 13.60%    |
| Almanac Realty Securities Fund VII, L.P.           | 2015            | 30,000,000           | 2.60%   | 13.21%    |
| Total Real Estate Portfolio                        |                 | \$361,338,022        | 4.79%   | 8.26%     |

<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(%) |           |           |           |           |           |           |           |
|--------------------------------|-----------|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                                | 2019      | 2018           | 2017      | 2016      | 2015      | 2014      | 2013      | 2012      | 2011      |
| OSERS                          | 13.8 (90) | -2.4 (28)      | 13.5 (89) | 1.3 (100) | -2.5 (95) | 3.0 (100) | 14.5 (75) | 9.4 (100) | 4.0 (1)   |
| Policy Index                   | 16.4 (64) | -0.4 (8)       | 13.7 (87) | 7.1 (75)  | -1.7 (74) | 7.1 (13)  | 15.1 (72) | 12.4 (78) | 4.2 (1)   |
| U.S. Equity Composite          | 30.3 (-)  | -5.5 (-)       | 20.5 (-)  | 7.2 (-)   | -3.2 (-)  | 5.7 (-)   | 36.2 (-)  | 13.7 (-)  | -1.8 (-)  |
| Custom U.S. Equity Benchmark   | 30.9 (-)  | -5.3 (-)       | 18.0 (-)  | 18.5 (-)  | -3.5 (-)  | 7.2 (-)   | 36.3 (-)  | 16.7 (-)  | -2.5 (-)  |
| BlackRock Russell 1000 Index   | 31.3 (35) | -4.7 (42)      | -         | -         | -         | -         | -         | -         | -         |
| Russell 1000 Index             | 31.4 (34) | -4.8 (43)      | -         | -         | -         | -         | -         | -         | -         |
| Dimensional Fund Advisors      | 21.6 (70) | -12.3 (59)     | -         | -         | -         | -         | -         | -         | -         |
| Russell 2000 Index*            | 25.5 (46) | -11.0 (43)     | -         | -         | -         | -         | -         | -         | -         |
| Global Equity Composite        | 25.5 (58) | -9.9 (56)      | 23.1 (53) | 7.0 (44)  | 1.9 (31)  | 3.6 (52)  | 21.7 (69) | 18.1 (31) | -1.8 (24) |
| Custom Global Equity Benchmark | 26.4 (52) | -10.1 (57)     | 24.1 (46) | 7.9 (36)  | -2.4 (65) | 4.2 (46)  | 22.8 (65) | 15.0 (62) | -4.7 (41) |
| Arrowstreet                    | 22.4 (73) | -6.9 (32)      | -         | -         | -         | -         | -         | -         | -         |
| MSCI AC World IMI (Net)        | 26.4 (52) | -10.1 (57)     | -         | -         | -         | -         | -         | -         | -         |
| MFS                            | 31.2 (22) | -9.3 (50)      | -         | -         | -         | -         | -         | -         | -         |
| MSCI All Country World IMI*    | 26.4 (52) | -10.1 (57)     | -         | -         | -         | -         | -         | -         | -         |
| Wellington Equity              | 22.8 (70) | -13.9 (39)     | -         | -         | -         | -         | -         | -         | -         |
| MSCI AC World Small Cap (Net)  | 24.7 (68) | -14.4 (44)     | -         | -         | -         | -         | -         | -         | -         |
| Dodge & Cox                    | 23.9      | -12.8          | -         | -         | -         | -         | -         | -         | -         |
| MSCI AC World IMI (Net)        | 26.4      | -10.1          | -         | -         | -         | -         | -         | -         | -         |
| International Equity Composite | 21.2 (55) | -14.5 (38)     | -         | -         | -         | -         | -         | -         | -         |
| MSCI AC World ex USA IMI (Net) | 21.6 (52) | -14.8 (41)     | -         | -         | -         | -         | -         | -         | -         |
| BlackRock ACWI ex-U.S. IMI     | 21.9      | -14.5          | -         | -         | -         | -         | -         | -         | -         |



MSCI AC World ex USA IMI (Net)

21.6

-14.8

|   | 5 ( (0)   |           |         |           |             |          |          |         |         |
|---|-----------|-----------|---------|-----------|-------------|----------|----------|---------|---------|
|   |           |           |         |           | Performance | ` ,      |          |         |         |
|   | 2019      | 2018      | 2017    | 2016      | 2015        | 2014     | 2013     | 2012    | 2011    |
| Total Fixed Income                                | 9.5 (-)   | -0.2 (-)  | 4.4 (-) | -16.3 (-) | 2.1 (-)     | -1.0 (-) | 5.7 (-)  | 7.8 (-) | 6.0 (-) |
| Custom Fixed Income Index                         | 9.3 (-)   | -0.3 (-)  | 3.8 (-) | 2.6 (-)   | 0.5 (-)     | 6.0 (-)  | -2.0 (-) | 4.2 (-) | 7.8 (-) |
| BlackRock Aggregate Bond Index                    | 8.8 (64)  | 0.1 (28)  | -       | -         | -           | -        | -        | -       | -       |
| Blmbg. Barc. Aggregate Bond Index                 | 8.7 (68)  | 0.0 (31)  | -       | -         | -           | -        | -        | -       | -       |
| BlackRock Core Plus Universal                     | 9.5 (51)  | -0.5 (43) | -       | -         | -           | -        | -        | -       | -       |
| Blmbg. Barc. Universal Bond Index                 | 9.3 (57)  | -0.3 (30) | -       | -         | -           | -        | -        | -       | -       |
| PIMCO   | 10.0 (35) | -0.3 (32) | -       | -         | -           | -        | -        | -       | -       |
| Blmbg. Barc. Universal Bond Index                 | 9.3 (57)  | -0.3 (30) | -       | -         | -           | -        | -        | -       | -       |
| Neuberger Berman Core Plus                        | 10.3 (28) | -0.4 (36) | -       | -         | -           | -        | -        | -       | -       |
| Barclays Universal                                | 9.3 (57)  | -0.3 (30) | -       | -         | -           | -        | -        | -       | -       |
| OSERS Contributions & Withdrawals                 |           |           |         |           |             |          |          |         |         |
| Hedge Fund Composite                              | -6.9      | -9.7      | 5.9     | -6.3      | -8.2        | -3.7     | 9.7      | -2.0    | -2.8    |
| HFRI RV: Multi-Strategy Index                     | 5.3       | -0.2      | 4.1     | 6.4       | 0.7         | 3.4      | 7.9      | 8.2     | -2.4    |
| Vaquero EMD                                       | -7.1      | -16.2     | -2.7    | 10.5      | -16.5       | -22.4    | 2.5      | -9.4    | 3.8     |
| Blmbg. Barc. Emerging Markets USD Aggregate Index | 13.1      | -2.5      | 8.2     | 9.9       | 1.3         | 4.8      | -4.1     | 17.9    | 7.0     |
| Hedge Fund Cash                                   |           |           |         |           |             |          |          |         |         |
| Real Asset Composite                              | -14.1     | 0.7       | 8.0     | 8.8       | -20.9       | 9.3      | 24.8     |         | -       |
| Custom Real Asset Benchmark                       | 4.4       | 8.8       | 9.7     | 18.3      | -32.6       | 4.8      | 27.6     | -       | -       |
| BTG   |           |           |         |           |             |          |          |         |         |
| JP Morgan Global Maritime                         |           |           |         |           |             |          |          |         |         |
| Private Equity Composite                          | 5.7       | 12.1      | 15.3    | 2.8       | 3.8         | -0.5     | 6.7      | 6.2     | 13.3    |
| Burgiss All US PE (1-Qtr Lag)                     | 10.1      | 18.8      | 14.7    | 8.5       | 10.7        | 18.9     | 17.4     | 14.6    | 13.9    |
| AAVIN Mezzanine Credit Funds                      |           |           |         |           |             |          |          |         |         |
| FCP Capital                                       |           |           |         |           |             |          |          |         |         |
| SPC Capital                                       |           |           |         |           |             |          |          |         |         |

Stonetree Capital
Private Equity Cash



Performance(%)

|   | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 | 2013 | 2012 | 2011 |
|---|------|------|------|------|------|------|------|------|------|
| Real Estate Composite                     | -0.2 | 2.7  | 7.6  | 3.0  | 7.6  | 12.5 | 11.7 | -    | -    |
| NCREIF Property Index                     | 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 VII JPM Strategic

JP Morgan India Property Fund II

Almanac Realty Securities VI

Mariner III

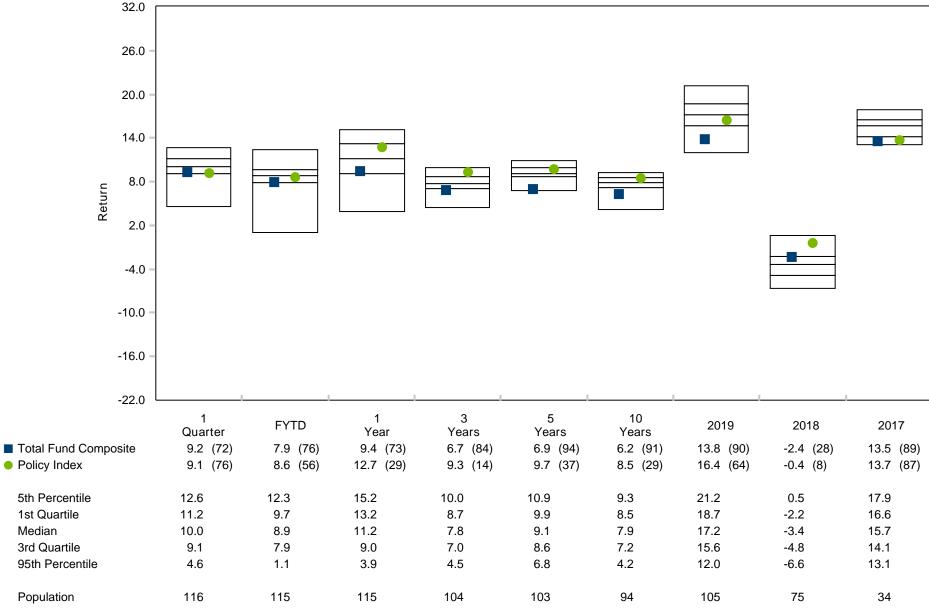
**UBS Trumbull** 

Real Estate Cash



### Plan Sponsor Peer Group Analysis

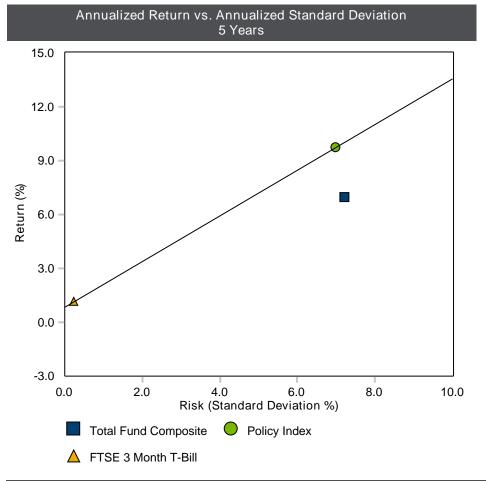
All Public Plans > \$1B-Total Fund

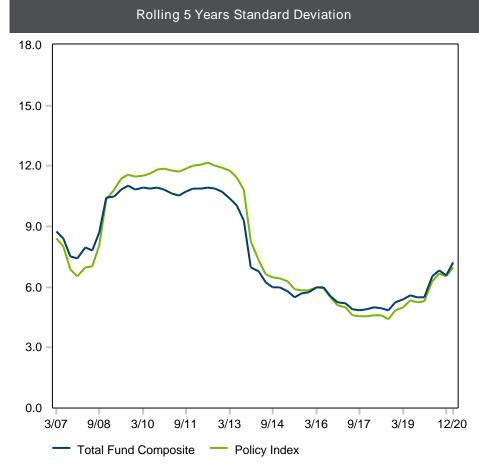


Parentheses contain percentile rankings.



## Total Fund Composite Risk Profile





| 5 Years Historical Statistics |                  |                   |                      |           |                 |       |       |        |                       |                       |
|-------------------------------|------------------|-------------------|----------------------|-----------|-----------------|-------|-------|--------|-----------------------|-----------------------|
|                               | Active<br>Return | Tracking<br>Error | Information<br>Ratio | R-Squared | Sharpe<br>Ratio | Alpha | Beta  | Return | Standard<br>Deviation | Actual<br>Correlation |
| Total Fund Composite          | -2.57            | 2.22              | -1.16                | 0.91      | 0.80            | -2.39 | 0.98  | 6.92   | 7.22                  | 0.95                  |
| Policy Index                  | 0.00             | 0.00              | N/A                  | 1.00      | 1.19            | 0.00  | 1.00  | 9.70   | 6.98                  | 1.00                  |
| FTSE 3 Month T-Bill           | -8.38            | 7.03              | -1.19                | 0.03      | N/A             | 1.22  | -0.01 | 1.16   | 0.24                  | -0.17                 |





# **Asset Class Performance**



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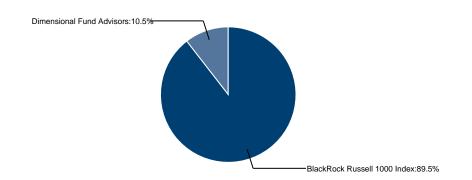
# U.S. Equity Performance

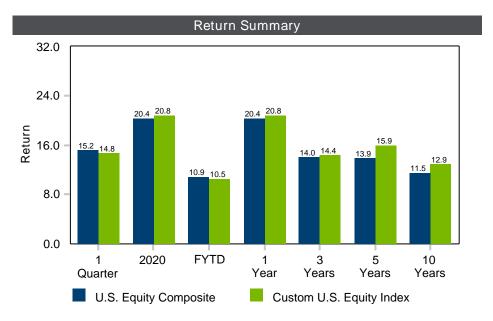


## U.S. Equity Composite Portfolio Overview



December 31, 2020 : \$322M





### Quarterly Excess Performance



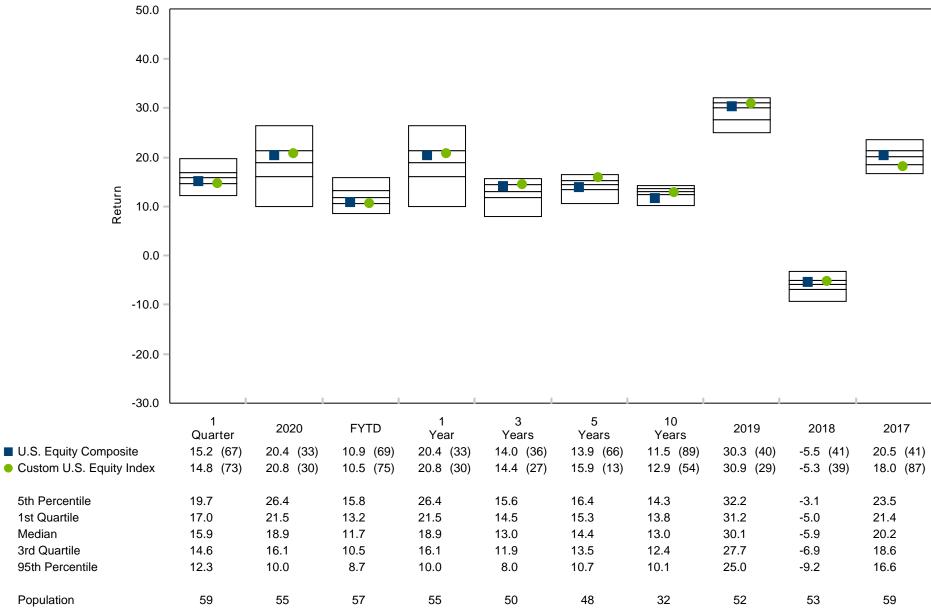
### Ratio of Cumulative Wealth - 10 Years





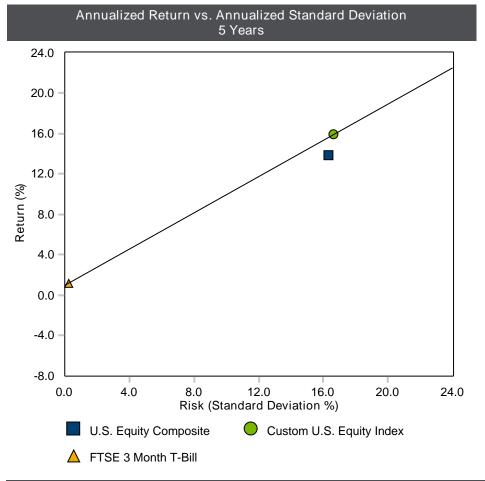
#### Plan Sponsor Peer Group Analysis

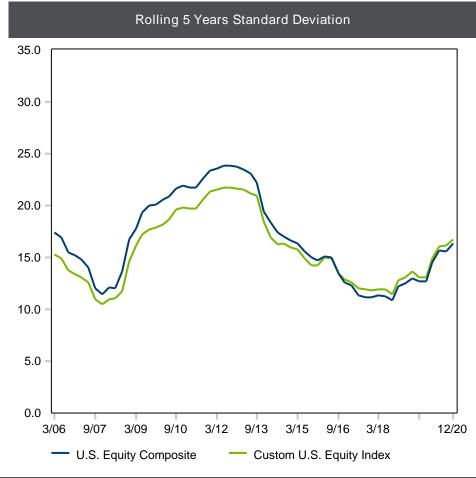
All Public Plans > \$1B-US Equity Segment





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





| 5 Years Historical Statistics |                  |                   |                      |           |                 |       |      |        |                       |                       |
|-------------------------------|------------------|-------------------|----------------------|-----------|-----------------|-------|------|--------|-----------------------|-----------------------|
|                               | Active<br>Return | Tracking<br>Error | Information<br>Ratio | R-Squared | Sharpe<br>Ratio | Alpha | Beta | Return | Standard<br>Deviation | Actual<br>Correlation |
| U.S. Equity Composite         | -1.86            | 2.22              | -0.84                | 0.98      | 0.81            | -1.39 | 0.97 | 13.87  | 16.35                 | 0.99                  |
| Custom U.S. Equity Index      | 0.00             | 0.00              | N/A                  | 1.00      | 0.90            | 0.00  | 1.00 | 15.93  | 16.69                 | 1.00                  |
| FTSE 3 Month T-Bill           | -15.10           | 16.73             | -0.90                | 0.03      | N/A             | 1.20  | 0.00 | 1.16   | 0.24                  | -0.17                 |



#### BlackRock Russell 1000 Index Performance Summary

#### **Account Information**

Account Name: BlackRock Russell 1000 Index

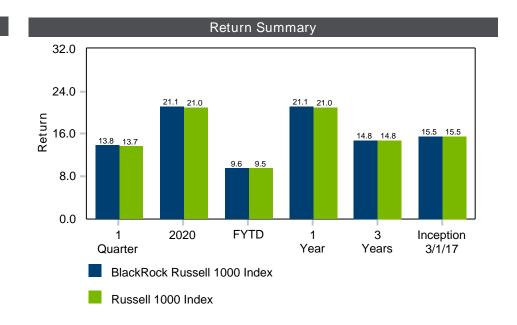
Inception Date: 03/01/2017

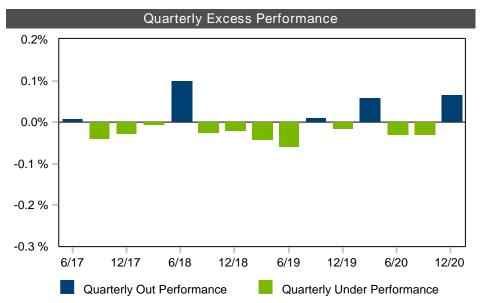
Account Structure: Commingled Fund

Asset Class: US Equity

Benchmark: Russell 1000 Index

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





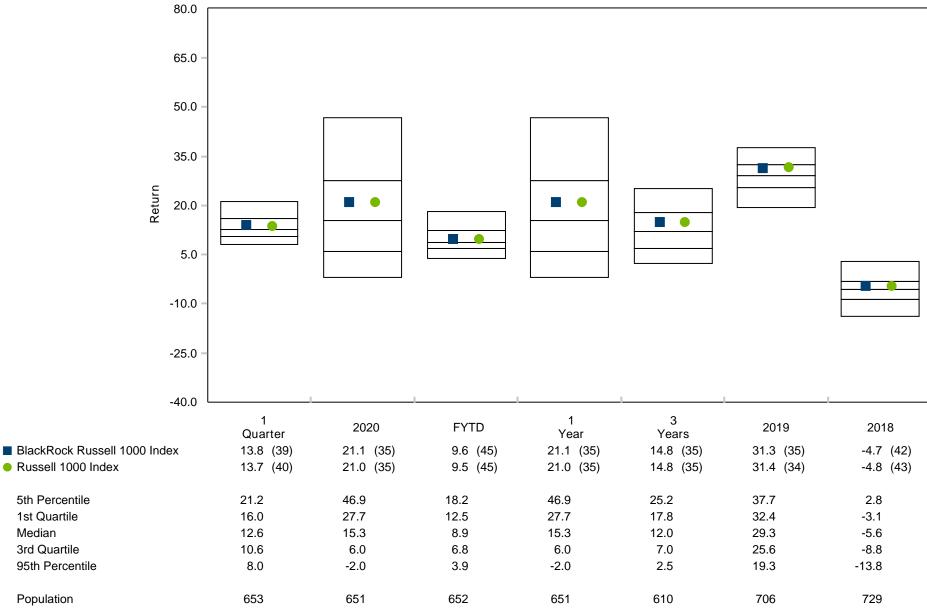
# 1.00 1.00 1.00 2/17 8/17 2/18 8/18 2/19 8/19 2/20 8/20 12/20 — BlackRock Russell 1000 Index

Ratio of Cumulative Wealth - Since Inception



Benchmark

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





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

#### **Account Information**

Account Name: Dimensional Fund Advisors

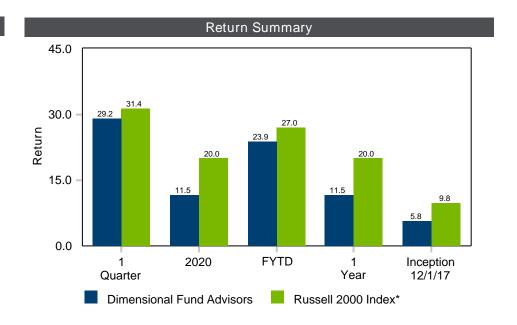
Inception Date: 12/01/2017

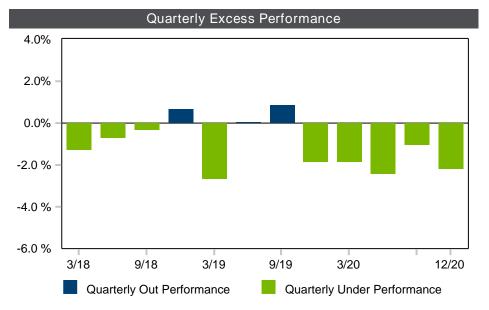
Account Structure: Commingled Fund

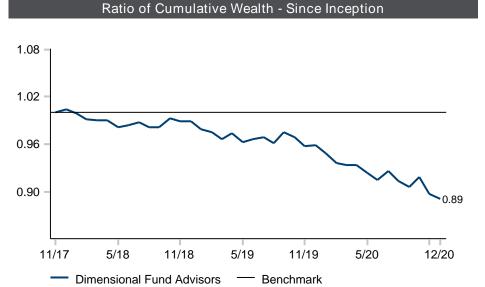
Asset Class: US Equity

Benchmark: Russell 2000 Index\*

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

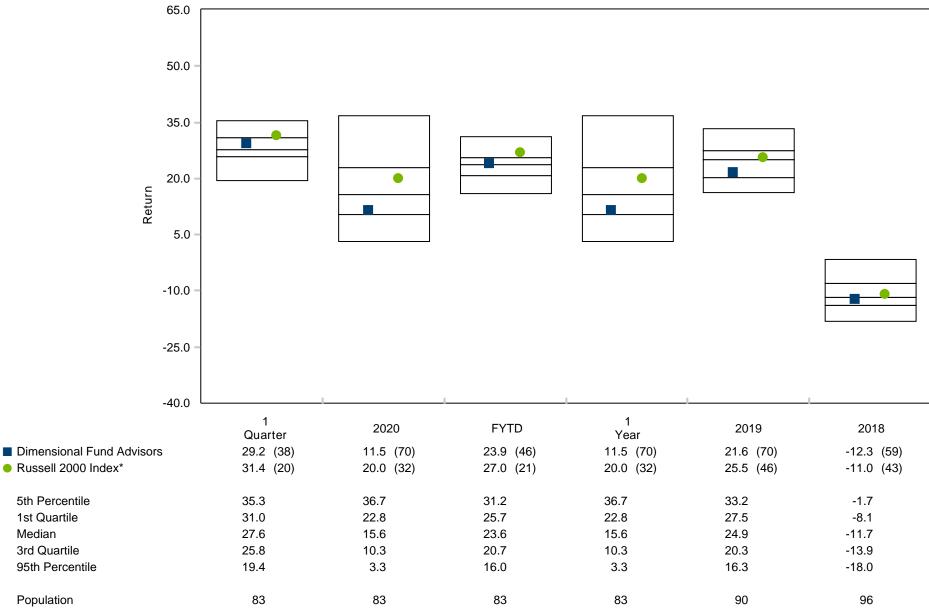








IM U.S. Small Cap Core Equity (SA+CF)





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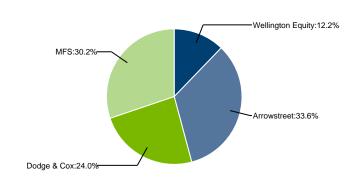
# **Global Equity Performance**

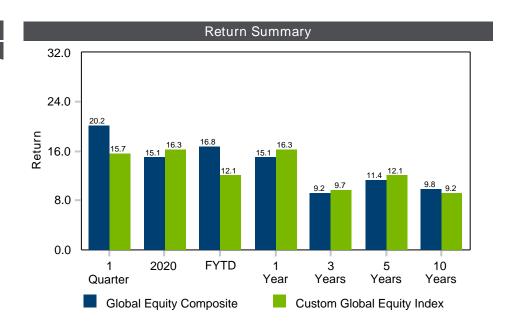


#### Global Equity Composite Portfolio Overview



December 31, 2020 : \$254M





#### Quarterly Excess Performance

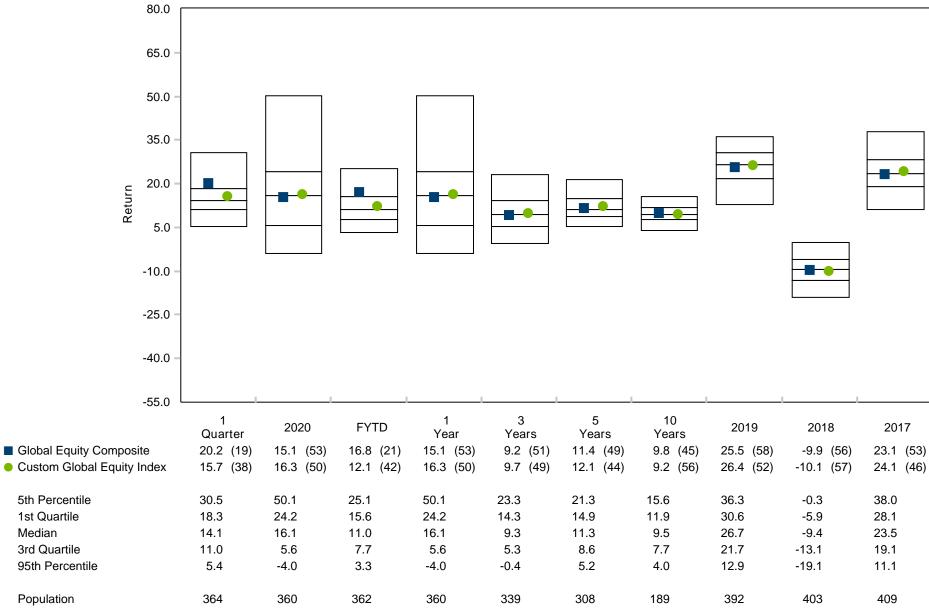


#### Ratio of Cumulative Wealth - 10 Years



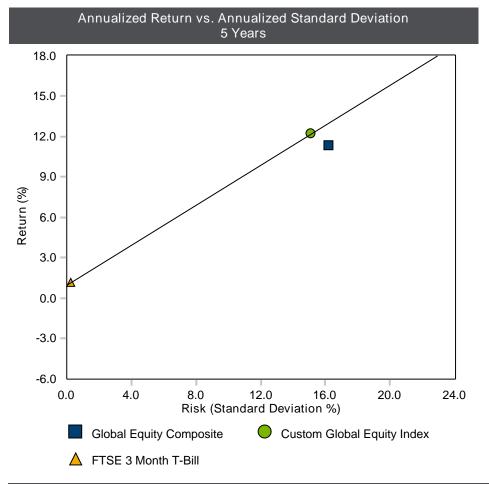


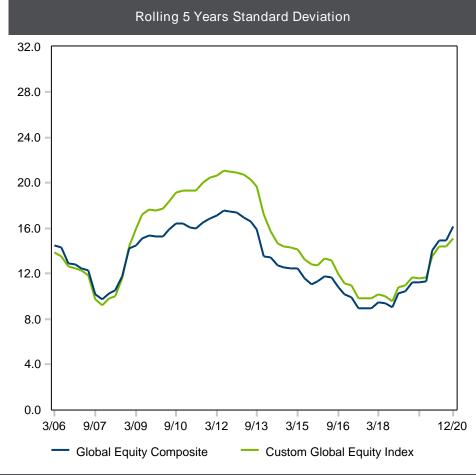
IM Global Equity (SA+CF)





#### Global Equity Composite Risk Profile





| 5 Years Historical Statistics |                  |                   |                      |           |                 |       |      |        |                       |                       |
|-------------------------------|------------------|-------------------|----------------------|-----------|-----------------|-------|------|--------|-----------------------|-----------------------|
|                               | Active<br>Return | Tracking<br>Error | Information<br>Ratio | R-Squared | Sharpe<br>Ratio | Alpha | Beta | Return | Standard<br>Deviation | Actual<br>Correlation |
| Global Equity Composite       | -0.58            | 3.32              | -0.17                | 0.96      | 0.67            | -1.18 | 1.05 | 11.37  | 16.20                 | 0.98                  |
| Custom Global Equity Index    | 0.00             | 0.00              | N/A                  | 1.00      | 0.76            | 0.00  | 1.00 | 12.19  | 15.14                 | 1.00                  |
| FTSE 3 Month T-Bill           | -11.54           | 15.18             | -0.76                | 0.03      | N/A             | 1.19  | 0.00 | 1.16   | 0.24                  | -0.17                 |



#### **Arrowstreet Performance Summary**

#### **Account Information**

Account Name: Arrowstreet

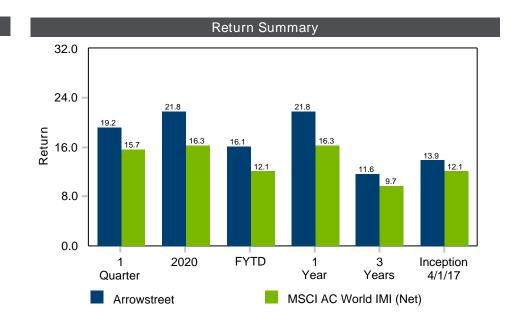
Inception Date: 04/01/2017

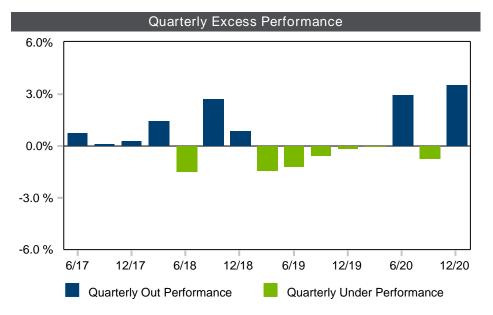
Account Structure: Separate Account

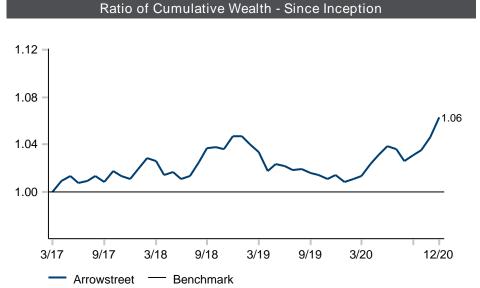
Asset Class: Global Equity

Benchmark: MSCI AC World IMI (Net)

Peer Group: IM Global Equity (SA+CF)

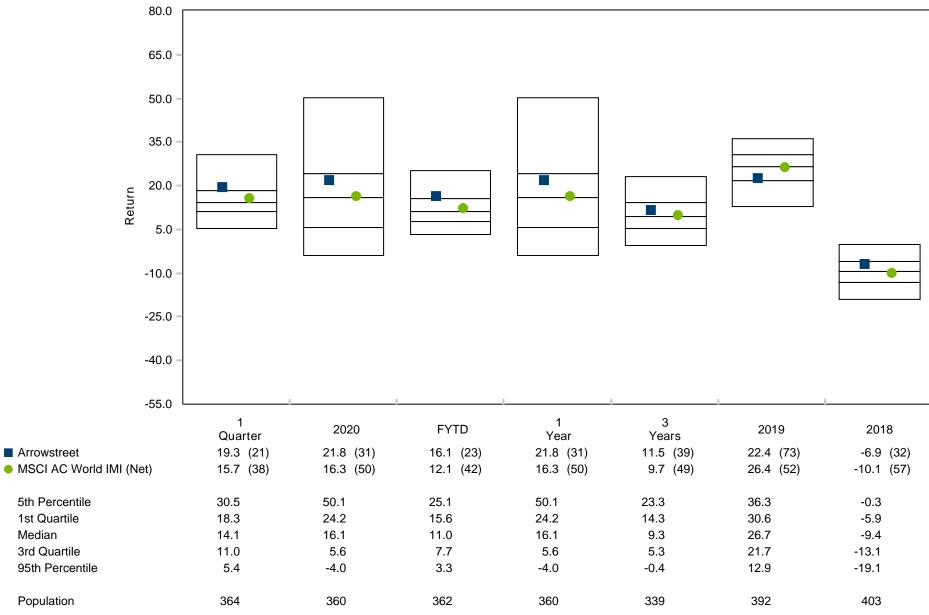








IM Global Equity (SA+CF)





#### MFS Performance Summary

#### **Account Information**

Account Name: MFS

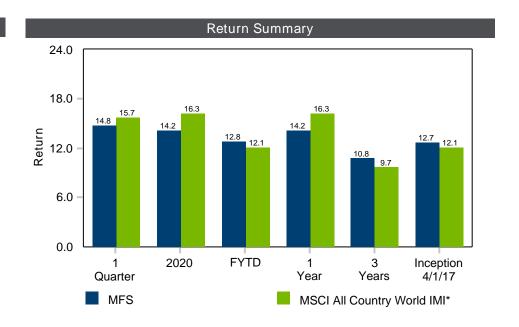
Inception Date: 04/01/2017

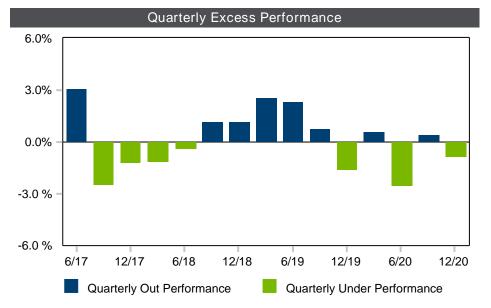
Account Structure: Separate Account

Asset Class: Global Equity

Benchmark: MSCI All Country World IMI\*

Peer Group: IM Global Equity (SA+CF)







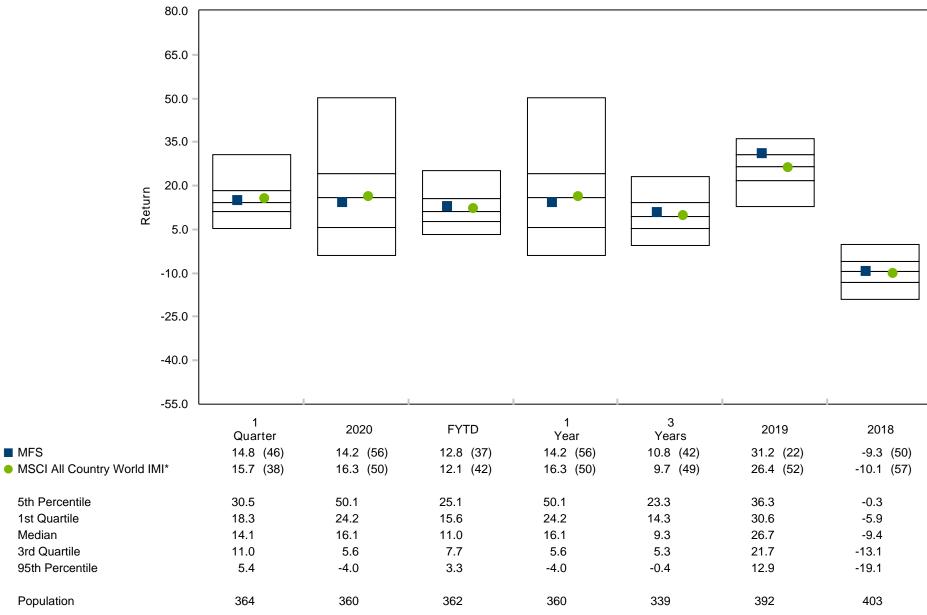
- Benchmark

Ratio of Cumulative Wealth - Since Inception



- MFS

IM Global Equity (SA+CF)





#### Wellington Equity Performance Summary

#### **Account Information**

Account Name: Wellington Equity

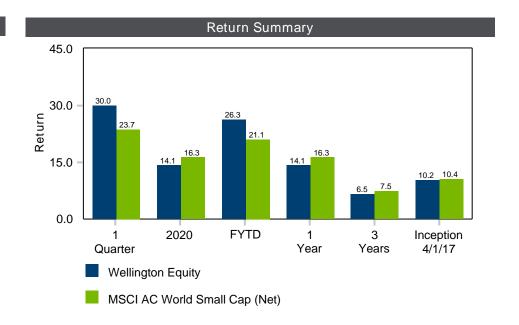
Inception Date: 04/01/2017

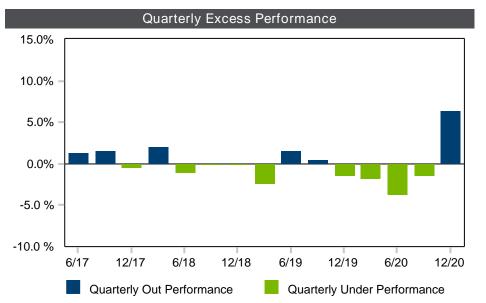
Account Structure: Separate Account

Asset Class: Global Equity

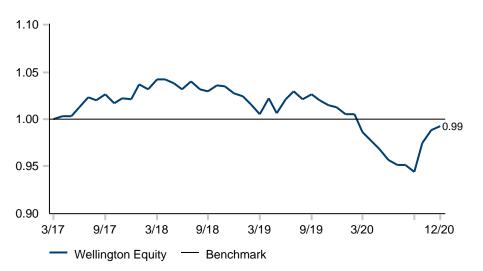
Benchmark: MSCI AC World Small Cap (Net)

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



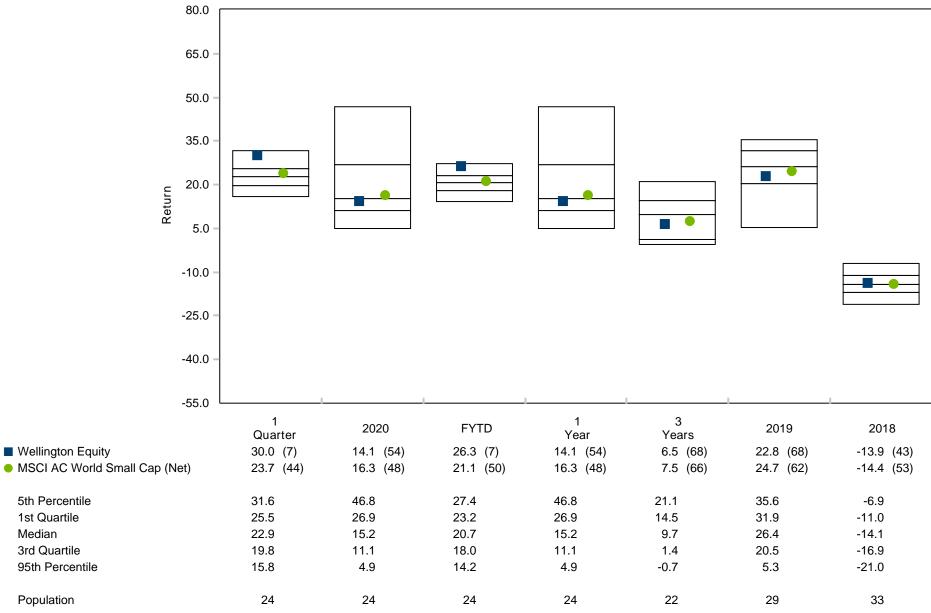


#### Ratio of Cumulative Wealth - Since Inception





IM Global Small Cap Equity (SA+CF)





#### Dodge & Cox Performance Summary

#### **Account Information**

Account Name: Dodge & Cox

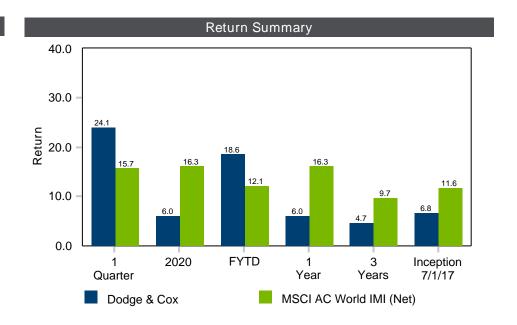
Inception Date: 07/01/2017

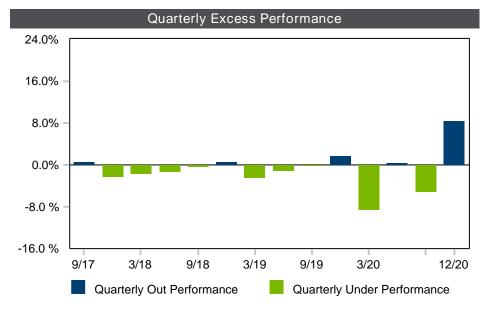
Account Structure: Mutual Fund

Asset Class: Global Equity

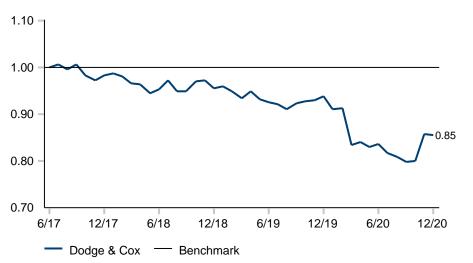
Benchmark: MSCI AC World IMI (Net)

Peer Group: IM Global Equity (MF)



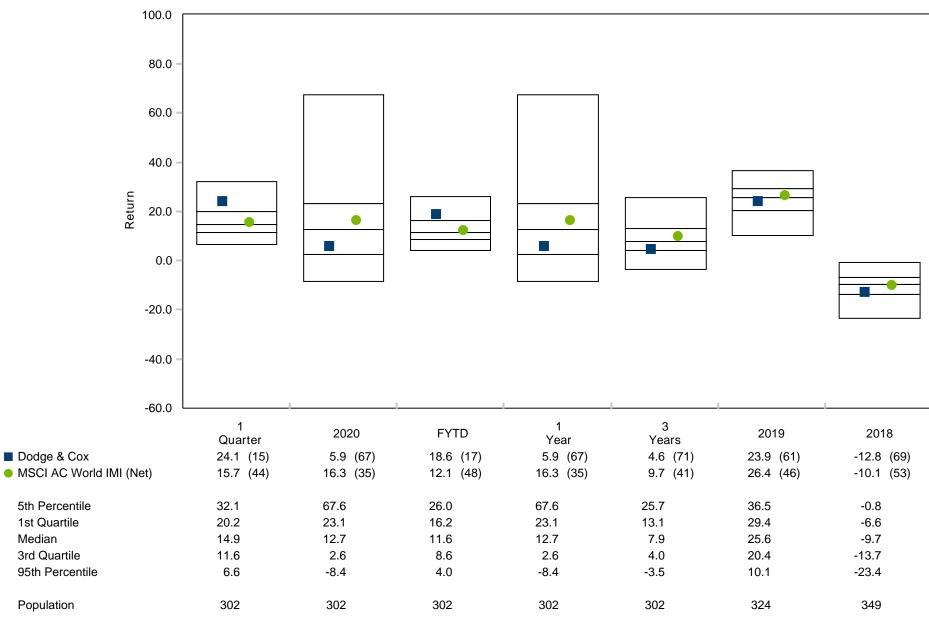


## Ratio of Cumulative Wealth - Since Inception





IM Global Equity (MF)







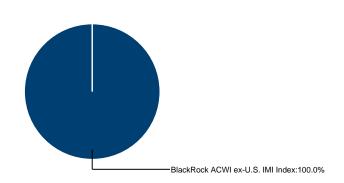
# **International Equity Performance**

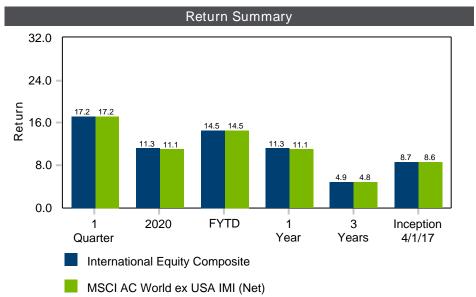


#### International Equity Composite Portfolio Overview



December 31, 2020 : \$147M

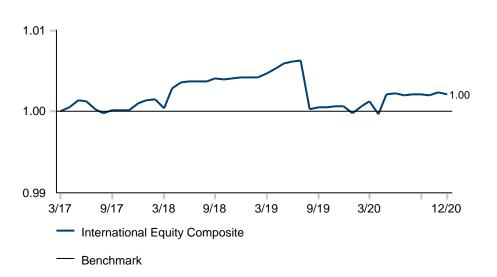




#### Quarterly Excess Performance



#### 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

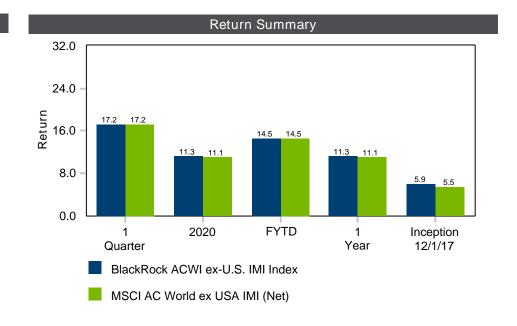
Inception Date: 12/01/2017

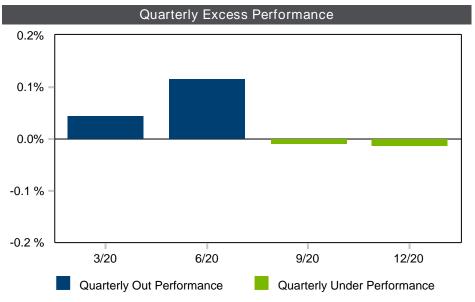
Account Structure: Commingled Fund

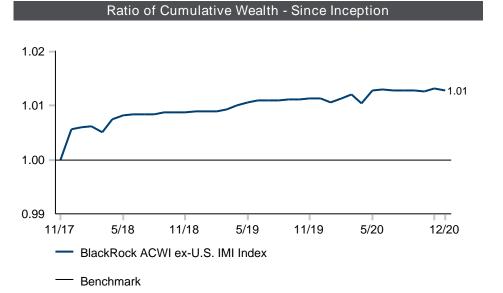
Asset Class: International Equity

Benchmark: MSCI AC World ex USA IMI (Net)

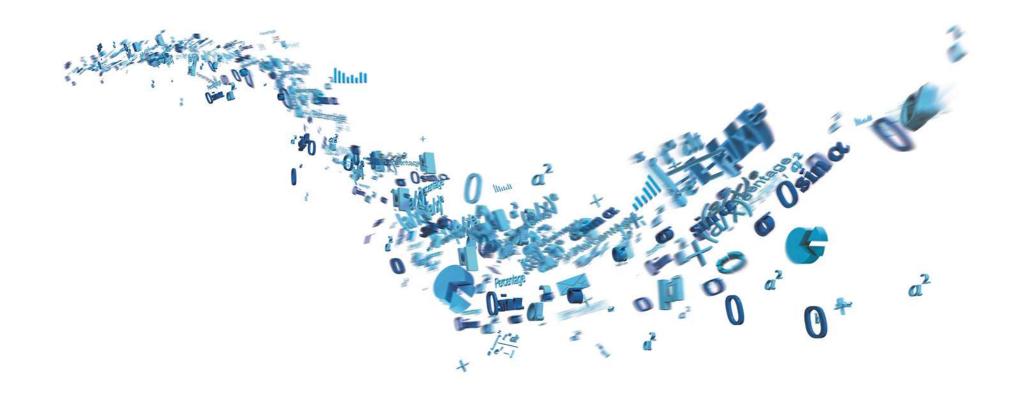
Peer Group:









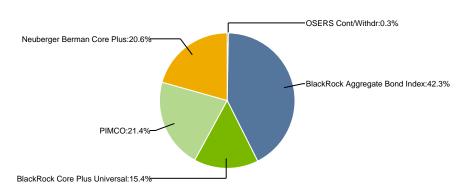


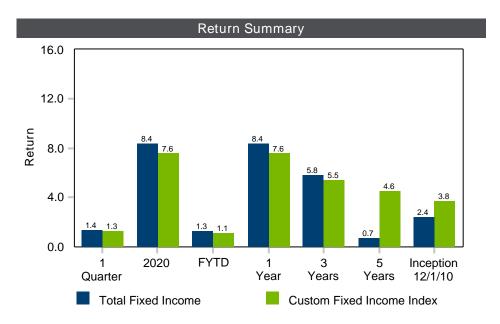
# Fixed Income Performance



#### Total Fixed Income Portfolio Overview







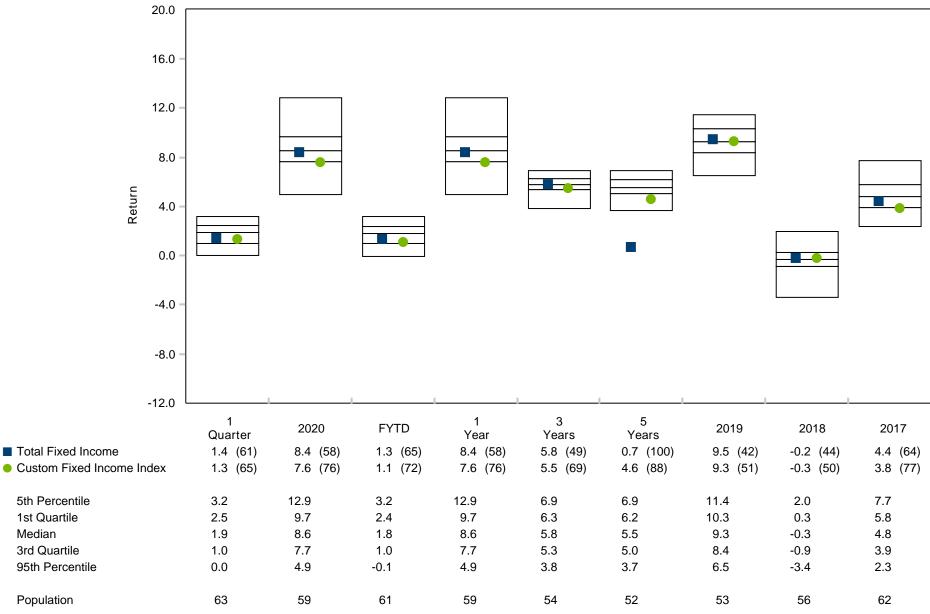
# 24.0 % Quarterly Excess Performance 8.0% -8.0 % -16.0 % 3/16 9/16 3/17 9/17 3/18 9/18 3/19 9/19 3/20 12/20 Quarterly Out Performance Quarterly Under Performance





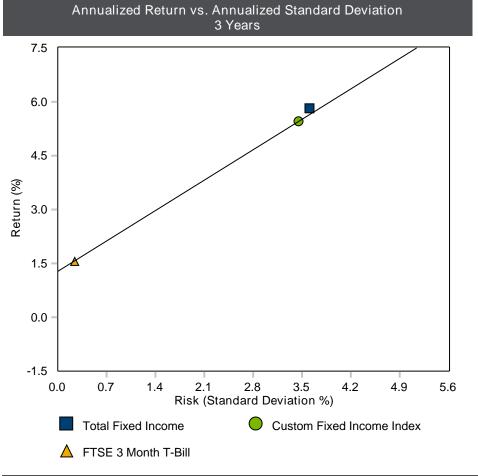
#### Plan Sponsor Peer Group Analysis

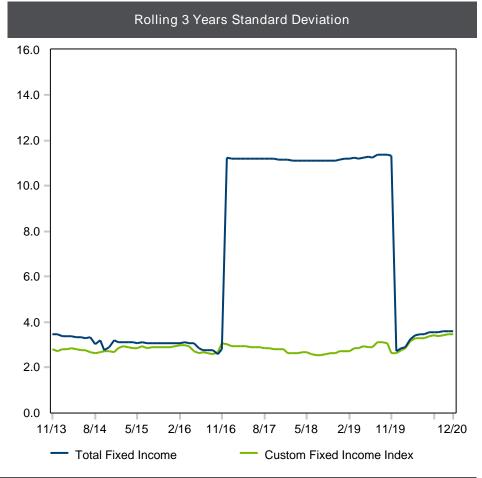
All Public Plans > \$1B-US Fixed Income Segment





#### Total Fixed Income Risk Profile





| 3 Years Historical Statistics |                  |                   |                      |           |                 |       |      |        |                       |                       |
|-------------------------------|------------------|-------------------|----------------------|-----------|-----------------|-------|------|--------|-----------------------|-----------------------|
|                               | Active<br>Return | Tracking<br>Error | Information<br>Ratio | R-Squared | Sharpe<br>Ratio | Alpha | Beta | Return | Standard<br>Deviation | Actual<br>Correlation |
| Total Fixed Income            | 0.33             | 0.37              | 0.89                 | 0.99      | 1.15            | 0.10  | 1.04 | 5.80   | 3.61                  | 1.00                  |
| Custom Fixed Income Index     | 0.00             | 0.00              | N/A                  | 1.00      | 1.11            | 0.00  | 1.00 | 5.45   | 3.45                  | 1.00                  |
| FTSE 3 Month T-Bill           | -3.83            | 3.44              | -1.11                | 0.01      | N/A             | 1.53  | 0.01 | 1.56   | 0.24                  | 0.10                  |



#### BlackRock Aggregate Bond Index Performance Summary

#### **Account Information**

Account Name: BlackRock Aggregate Bond Index

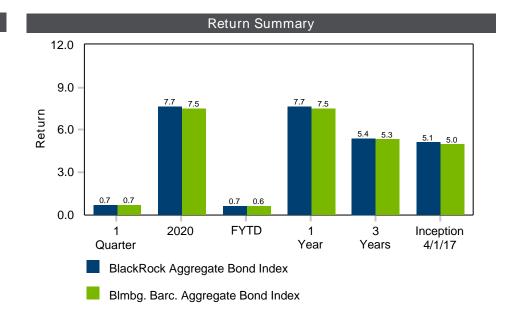
Inception Date: 04/01/2017

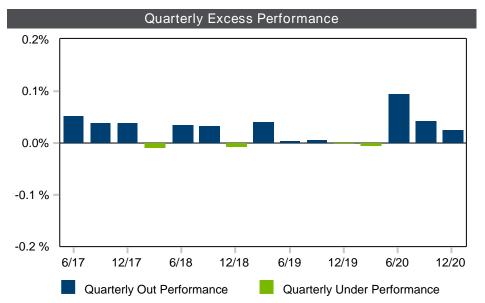
Account Structure: Commingled Fund

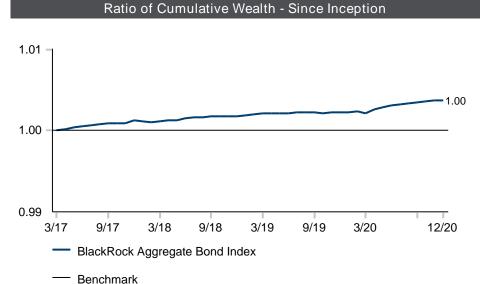
Asset Class: US Fixed Income

Benchmark: Blmbg. Barc. Aggregate Bond Index

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

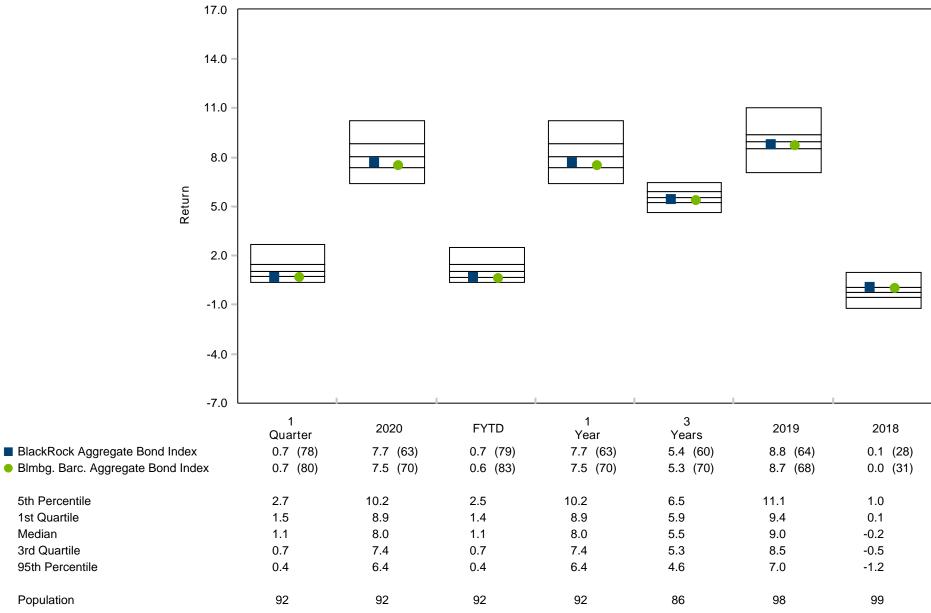








IM U.S. Broad Market Core Fixed Income (SA+CF)





#### BlackRock Core Plus Universal Performance Summary

#### **Account Information**

Account Name: BlackRock Core Plus Universal

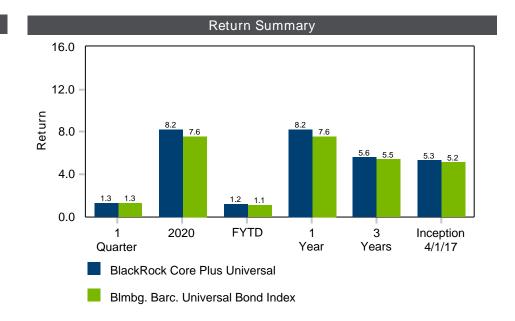
Inception Date: 04/01/2017

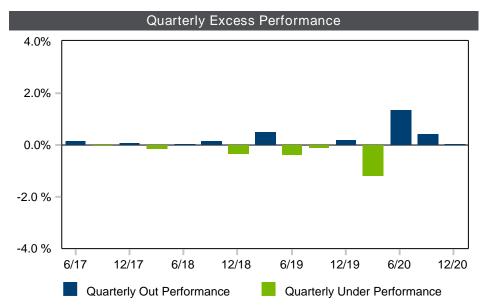
Account Structure: Separate Account

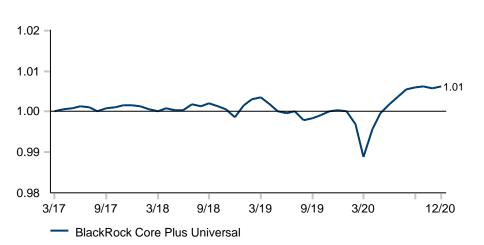
Asset Class: US Fixed Income

Benchmark: Blmbg. Barc. Universal Bond Index

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





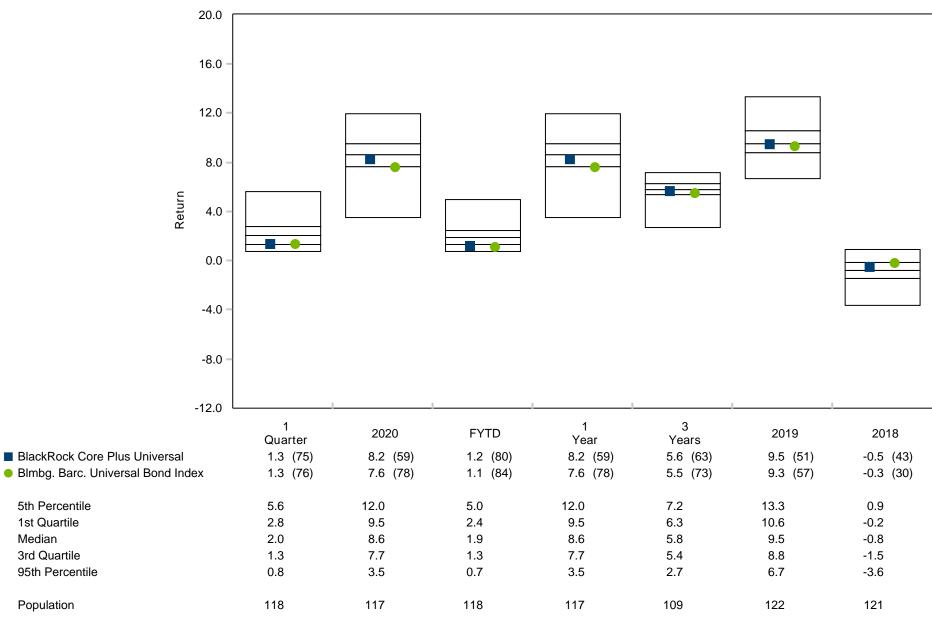


Ratio of Cumulative Wealth - Since Inception



Benchmark

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





#### PIMCO Performance Summary

#### **Account Information**

Account Name: PIMCO

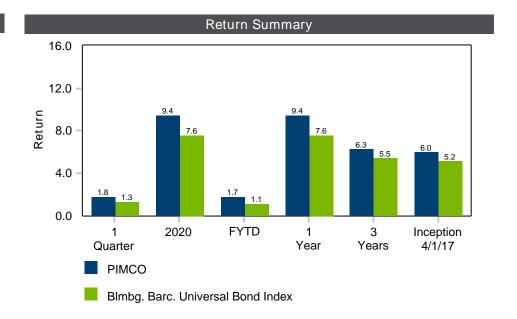
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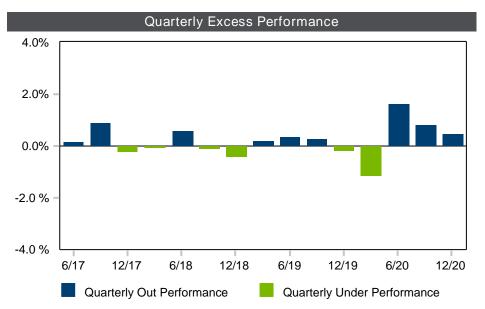
Account Structure: Separate Account

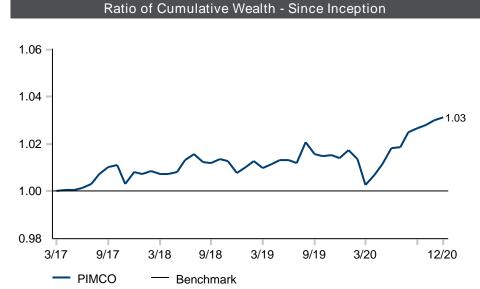
Asset Class: US Fixed Income

Benchmark: Blmbg. Barc. Universal Bond Index\*

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

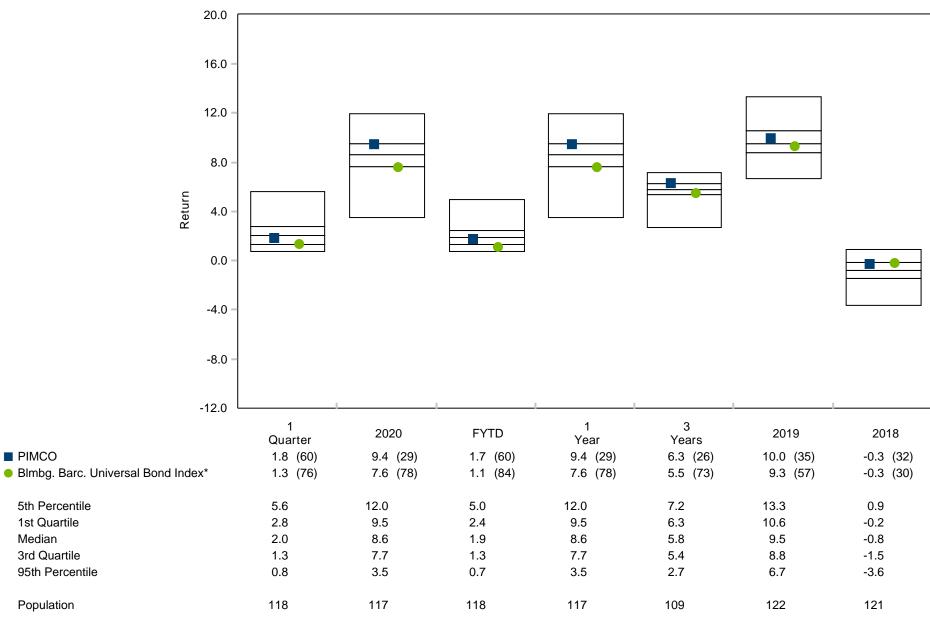








IM U.S. Broad Market Core+ Fixed Income (SA+CF)





#### Neuberger Berman Core Plus Performance Summary

#### Account Information

Account Name: Neuberger Berman Core Plus

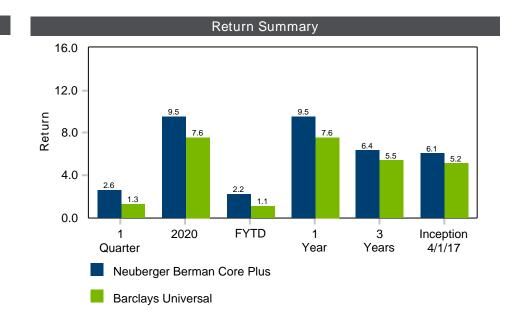
Inception Date: 04/01/2017

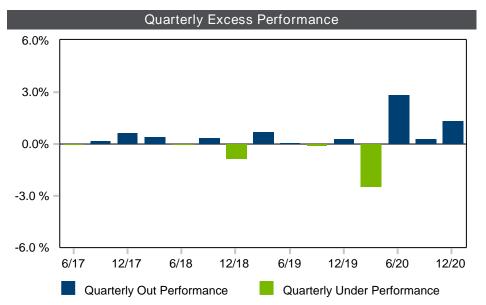
Account Structure: Separate Account

Asset Class: US Fixed Income

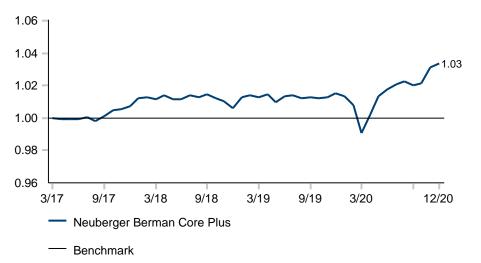
Benchmark: Barclays Universal

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



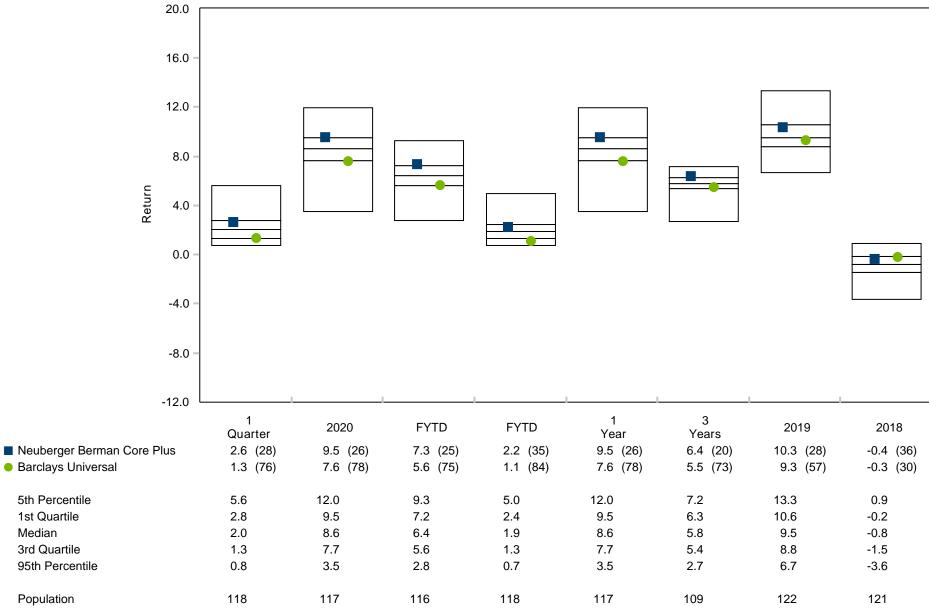


## Ratio of Cumulative Wealth - Since Inception





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







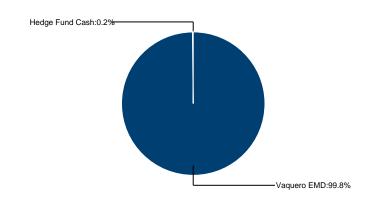
# Hedge Fund Performance

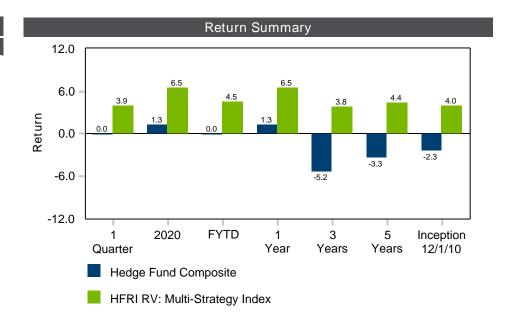


#### Hedge Fund Composite Portfolio Overview

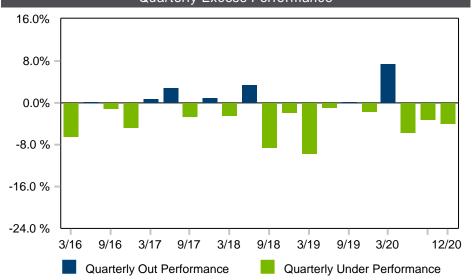


December 31, 2020 : \$7M

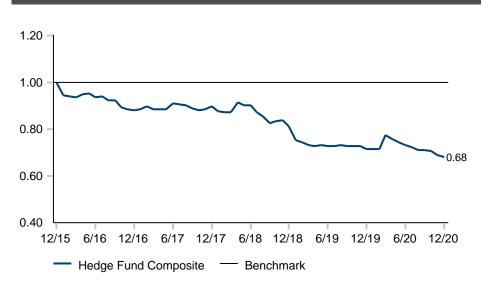




#### Quarterly Excess Performance



#### Ratio of Cumulative Wealth - 5 Years





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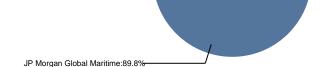


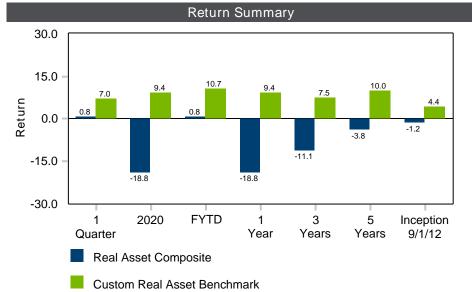
# Real Asset Performance

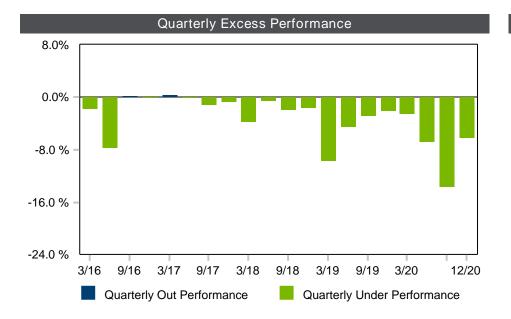


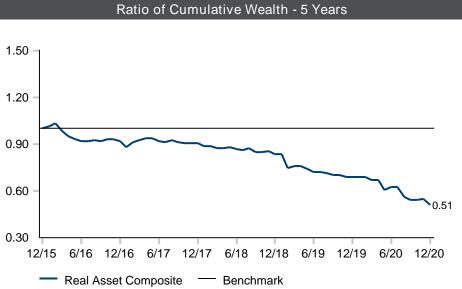
# Real Asset Composite Portfolio Overview















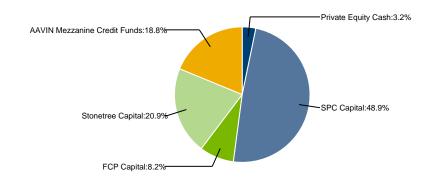
# **Private Equity Performance**

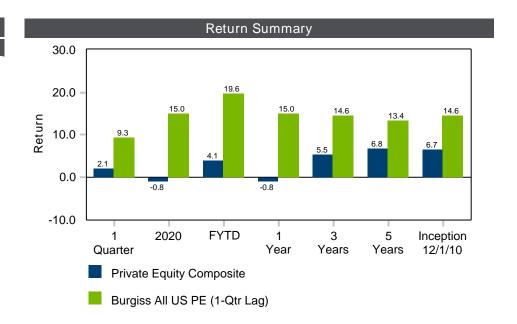


# Private Equity Composite Portfolio Overview



December 31, 2020 : \$146M





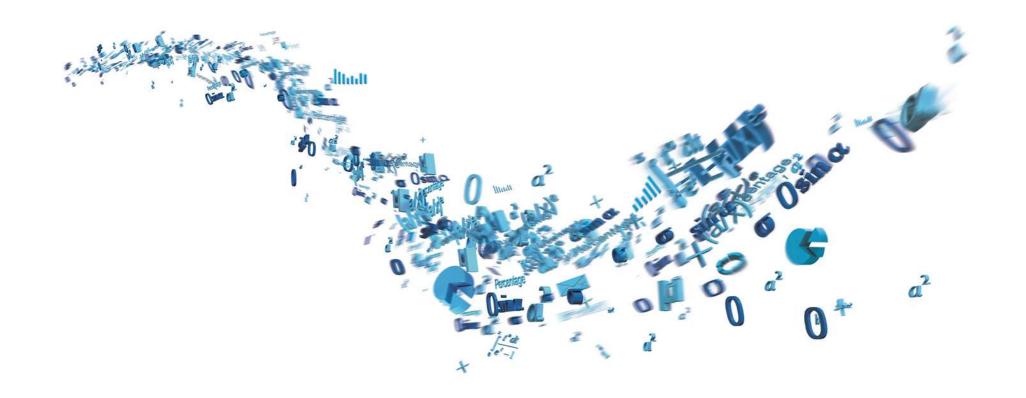
## Quarterly Excess Performance



## Ratio of Cumulative Wealth - 5 Years







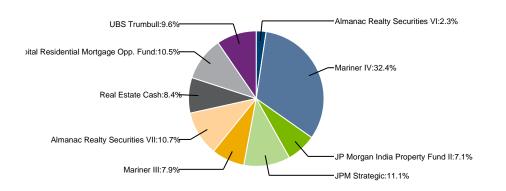
# Real Estate Performance

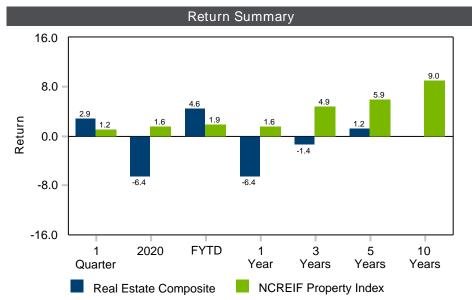


# Real Estate Composite Portfolio Overview

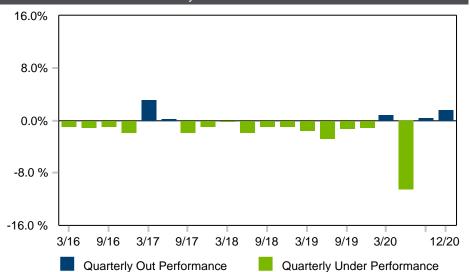


December 31, 2020 : \$136M





## Quarterly Excess Performance



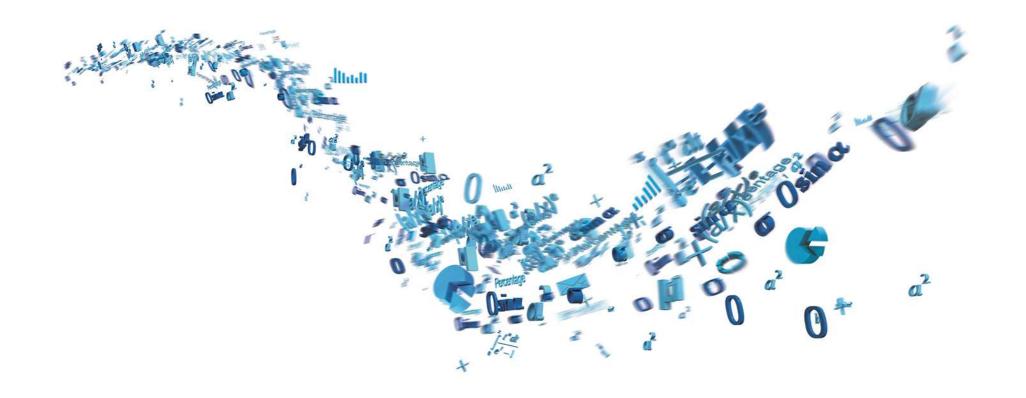
## Ratio of Cumulative Wealth - Since Inception





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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 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 Benchmark: Russell 1000 Index



## Defined Benefit Plan - Benchmarks and Universes

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.

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

Arrowstreet

Benchmark: MSCI All Country World IMI (Net)

MFS

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

Wellington Equity

Benchmark: MSCI All Country World Small Cap (Net)

Dodge & Cox

Benchmark: MSCI All Country World Index IMI

Fixed Income Component

Benchmark: As of 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



## Defined Benefit Plan - Benchmarks and Universes

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%



## DC Plan Benchmarks

DFA

Benchmark: Russell 2000 Index

Russell 1000 Growth Index

Benchmark: Russell 1000 Growth Index

Russell 1000 Value Index

Benchmark: Russell 1000 Value Index

U.S. Equity Index Fund

Benchmark: S&P 500 Index

BlackRock All Country World ex-U.S. Index Fund Benchmark: MSCI All Country World ex-U.S. Index

U.S. Debt Index Fund

Benchmark: Bloomberg Barclays Aggregate Bond Index

T.Rowe Price Stable Value

Benchmark: The Hueler Index as of June 1, 2004. Prior to that, the 90-Day Treasury Bill.

SSgA STIF

Benchmark: 90-Day Treasury Bill

Conservative Premixed

Benchmark: A composite of 16% of the S&P 500 Index, 4% of the Russell 2000 Index, 60% of the Bloomberg Barclays Aggregate Bond Index, 5% of the MSCI All Country World ex-U.S. Index and 15% of the 90-Day T-Bill.

Moderate Premixed

Benchmark: A composite of 32% of the S&P 500 Index, 8% of the Russell 2000 Index, 50% of the Bloomberg Barclays Aggregate Bond Index, and 10% of the MSCI All Country World ex-U.S. Index.

Aggressive Premixed

Benchmark: A composite of 48% of the S&P 500 Index, 12% of the Russell 2000 Index, 25% of the Bloomberg Barclays Aggregate Bond Index, and 15% of the MSCI All Country World ex-U.S. Index.

Investor Select

<u>Benchmark:</u> 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 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.

<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.



## Cash Balance Plan

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 12.0% of the S&P 500 Index, 2.0% of the FTSE High Dividend Yield Index, 2.0% of the Russell 1000 Growth Index, 1.0% of the S&P Completion Index, 0.5% of the Russell 2000 Index, 0.5% of the Russell 2000 Growth Index, 5.0% of the MSCI ACWI ex USA (Net) Index, 4.0% Citigroup World Gov't Bond Index ex-USA, 28.0% of the Bloomberg Barclays Capital U.S. Aggregate Index, 17.0% of the Bloomberg Barclays Capital U.S. Treasury: U.S. TIPS 0-5 Year Index, 2.0% of the MSCI US REIT Index, 10.0% 1 Month US Bank Deposit Index, and 11.0% of the Citigroup 3-Month T-Bill Index.

#### Direct Aggressive 17-18 Mix

Benchmark: A composite of 13.0% of the S&P 500 Index, 4.5% of the FTSE High Dividend Yield Index, 4.5% of the Russell 1000 Growth Index, 1.0% of the S&P Completion Index, 1.0% of the Russell 2000 Index, 1.0% of the Russell 2000 Growth Index, 7.5% of the MSCI ACWI ex USA (Net) Index, 4.0% Citigroup World Gov't Bond Index ex-USA, 26.5% of the Bloomberg Barclays Capital U.S. Aggregate Index, 15.0% of the Bloomberg Barclays Capital U.S. Treasury: U.S. TIPS 0-5 Year Index, 2.5% of the MSCI US REIT Index, 8.0% 1 Month US Bank Deposit Index, and 9.0% of the Citigroup 3-Month T-Bill Index.

#### Direct Aggressive 15-16 Mix

Benchmark: A composite of 14.0% of the S&P 500 Index, 7.0% of the FTSE High Dividend Yield Index, 7.0% of the Russell 1000 Growth Index, 1.0% of the S&P Completion Index, 1.5% of the Russell 2000 Index, 1.5% of the Russell 2000 Growth 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, 6.0% 1 Month US Bank Deposit Index, and 7.0% of the Citigroup 3-Month T-Bill Index.

#### Direct Aggressive 13-14 Mix

Benchmark: A composite of 18.0% of the S&P 500 Index, 8.0% of the FTSE High Dividend Yield Index, 8.0% of the Russell 1000 Growth Index, 1.0% of the S&P Completion Index, 2.0% of the Russell 2000 Index, 2.0% of the Russell 2000 Growth 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. Aggregate Index, 9.5% of the Bloomberg Barclays Capital U.S. Govt/Credit 1-5 Float Index, 3.5% of the MSCI US REIT Index, 3.0% 1 Month US Bank Deposit Index, and 5.5% of the Citigroup 3-Month T-Bill Index.

#### Direct Aggressive 11-12 Mix

Benchmark: A composite of 22.0% of the S&P 500 Index, 9.0% of the FTSE High Dividend Yield Index, 9.0% of the Russell 1000 Growth Index, 1.0% of the S&P Completion Index, 2.5% of the Russell 2000 Index, 2.5% of the Russell 2000 Growth 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.

#### Direct Agaressive 9-10 Mix

Benchmark: A composite of 27.0% of the S&P 500 Index, 9.5% of the FTSE High Dividend Yield Index, 9.5% of the Russell 1000 Growth Index, 1.5% of the S&P Completion Index, 2.8% of the Russell 2000 Index, 2.8% of the Russell 2000 Growth 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. Aggregate Index, 3.0% 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.

#### Direct Aggressive 6-8 Mix

Benchmark: A composite of 32.0% of the S&P 500 Index, 10.0% of the FTSE High Dividend Yield Index, 10.0% of the Russell 1000 Growth Index, 2.0% of the S&P Completion Index, 3.0% of the Russell 2000 Index, 3.0% of the Russell 2000 Growth 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.



#### Direct Aggressive 3-5 Mix

Benchmark: A composite of 36.0% of the S&P 500 Index, 11.0% of the FTSE High Dividend Yield Index, 11.0% of the Russell 1000 Growth Index, 2.0% of the S&P Completion Index, 4.0% of the Russell 2000 Index, 4.0% of the Russell 2000 Growth 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.

## Direct Aggressive 0-2 Mix

Benchmark: A composite of 38.0% of the S&P 500 Index, 11.5% of the FTSE High Dividend Yield Index, 11.5% of the Russell 1000 Growth Index, 2.0% of the S&P Completion Index, 4.25% of the Russell 2000 Index, 4.25% of the Russell 2000 Growth Index, 23.25% of the MSCI ACWI ex USA (Net) Index, and 5.25% of the MSCI US REIT Index.

#### Direct Growth 19+ Mix

Benchmark: A composite of 4.0% of the S&P 500 Index, 1.0% of the MSCI ACWI ex USA (Net) Index, 2.0% Citigroup World Gov't Bond Index ex-USA, 15.0% of the Bloomberg Barclays Capital U.S. Aggregate Index, 18.0% 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, 20.0% 1 Month US Bank Deposit Index, and 35.0% of the Citigroup 3-Month T-Bill Index.

#### Direct Growth 17-18 Mix

Benchmark: A composite of 10.0% of the S&P 500 Index, 1.0% of the S&P Completion Index, 3.0% of the MSCI ACWI ex USA (Net) Index, 3.0% Citigroup World Gov't Bond Index ex-USA, 25.0% of the Bloomberg Barclays Capital U.S. Govt/Credit 1-5 Float Index, 9.0% of the Bloomberg Barclays Capital U.S. Treasury: U.S. TIPS 0-5 Year Index, 1.0% of the MSCI US REIT Index, 15.0% 1 Month US Bank Deposit Index, and 18.0% of the Citigroup 3-Month T-Bill Index.

#### Direct Growth 15-16 Mix

Benchmark: A composite of 12.0% of the S&P 500 Index, 2.0% of the FTSE High Dividend Yield Index, 2.0% of the Russell 1000 Growth Index, 1.0% of the S&P Completion Index, 0.5% of the Russell 2000 Index, 0.5% of the Russell 2000 Growth Index, 5.0% of the MSCI ACWI ex USA (Net) Index, 4.0% Citigroup World Gov't Bond Index ex-USA, 28.0% of the Bloomberg Barclays Capital U.S. Aggregate Index, 17.0% of the Bloomberg Barclays Capital U.S. Treasury: U.S. TIPS 0-5 Year Index, 2.0% of the MSCI US REIT Index, 10.0% 1 Month US Bank Deposit Index, and 11.0% of the Citigroup 3-Month T-Bill Index.

#### Direct Growth 13-14 Mix

Benchmark: A composite of 13.0% of the S&P 500 Index, 4.5% of the FTSE High Dividend Yield Index, 4.5% of the Russell 1000 Growth Index, 1.0% of the S&P Completion Index, 1.0% of the Russell 2000 Index, 1.0% of the Russell 2000 Growth Index, 7.5% of the MSCI ACWI ex USA (Net) Index, 4.0% Citigroup World Gov't Bond Index ex-USA, 26.5% of the Bloomberg Barclays Capital U.S. Aggregate Index, 15.0% of the Bloomberg Barclays Capital U.S. Treasury: U.S. TIPS 0-5 Year Index, 2.5% of the MSCI US REIT Index, 8.0% 1 Month US Bank Deposit Index, and 9.0% of the Citigroup 3-Month T-Bill Index.

#### Direct Growth 11-12 Mix

Benchmark: A composite of 14.0% of the S&P 500 Index, 7.0% of the FTSE High Dividend Yield Index, 7.0% of the Russell 1000 Growth Index, 1.0% of the S&P Completion Index, 1.5% of the Russell 2000 Index, 1.5% of the Russell 2000 Growth 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, 6.0% 1 Month US Bank Deposit Index, and 7.0% of the Citigroup 3-Month T-Bill Index.

#### Direct Growth 9-10 Mix

Benchmark: A composite of 18.0% of the S&P 500 Index, 8.0% of the FTSE High Dividend Yield Index, 8.0% of the Russell 1000 Growth Index, 1.0% of the S&P Completion Index, 2.0% of the Russell 2000 Index, 2.0% of the Russell 2000 Growth 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. Aggregate Index, 9.5% of the Bloomberg Barclays Capital U.S. Govt/Credit 1-5 Float Index, 3.5% of the MSCI US REIT Index, 3.0% 1 Month US Bank Deposit Index, and 5.5% of the Citigroup 3-Month T-Bill Index.



#### Direct Growth 6-8 Mix

Benchmark: A composite of 22.0% of the S&P 500 Index, 9.0% of the FTSE High Dividend Yield Index, 9.0% of the Russell 1000 Growth Index, 1.0% of the S&P Completion Index, 2.5% of the Russell 2000 Index, 2.5% of the Russell 2000 Growth 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.

#### Direct Growth 3-5 Mix

Benchmark: A composite of 27.0% of the S&P 500 Index, 9.5% of the FTSE High Dividend Yield Index, 9.5% of the Russell 1000 Growth Index, 1.5% of the S&P Completion Index, 2.8% of the Russell 2000 Index, 2.8% of the Russell 2000 Growth 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. Aggregate Index, 3.0% 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.

#### Direct Growth 0-2 Mix

<u>Benchmark:</u> A composite of 32.0% of the S&P 500 Index, 10.0% of the FTSE High Dividend Yield Index, 10.0% of the Russell 1000 Growth Index, 2.0% of the S&P Completion Index, 3.0% of the Russell 2000 Index, 3.0% of the Russell 2000 Growth 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.

Direct Index 19+ Mix

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

Direct Index 17-18 Mix

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

#### Direct Index 15-16 Mix

Benchmark: A composite of 4.0% of the S&P 500 Index, 1.0% of the MSCI ACWI ex USA (Net) Index, 2.0% of the Citigroup World Gov't Bond Index ex-USA, 15.0% of the Bloomberg Barclays Capital U.S. Aggregate Index, 18.0% of the Bloomberg Barclays Capital U.S. Govt/Credit 1-5 Float Index, 5.0% of the Bloomberg Barclays US Treasury: U.S. TIPS 0-5 Year Index, 20.0% of the 1 Month US Bank Deposit Index and 35.0% of the Citigroup 3-Month T-Bill Index.

#### Direct Index 13-14 Mix

Benchmark: A composite of 10.0% of the S&P 500 Index, 1.0% of the S&P Completion Index, 3.0% of the MSCI ACWI ex USA (Net) Index, 3.0% of the Citigroup World Gov't Bond Index ex-USA, 25.0% of the Bloomberg Barclays Capital U.S. Aggregate Index, 15.0% of the Bloomberg Barclays Capital U.S. Govt/Credit 1-5 Float Index, 9.0% of the Bloomberg Barclays US Treasury: U.S. TIPS 0-5 Year Index, 1.0% of the MSCI US REIT Index, 15.0% of the 1 Month US Bank Deposit Index and 18.0 % of the Citigroup 3-Month T-Bill Index.

#### Direct Index 11-12 Mix

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% of the 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 US Treasury: U.S. TIPS 0-5 Year Index, 2.0% of the MSCI US REIT Index, 10.0% of the 1 Month US Bank Deposit Index and 11.0 % of the Citigroup 3-Month T-Bill Index.

## Direct Index 9-10 Mix

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% of the Citigroup World Gov't Bond Index ex-USA, 26.5% of the Bloomberg Barclays Capital U.S. Aggregate Index, 15.0% of the Bloomberg Barclays Capital U.S. Govt/Credit 1-5 Float Index, 2.5% of the Bloomberg Barclays US Treasury: U.S. TIPS 0-5 Year Index, 2.5% of the MSCI US REIT Index, 8.0% of the 1 Month US Bank Deposit Index and 9.0% of the Citigroup 3-Month T-Bill Index.



#### Direct Index 6-8 Mix

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% of the 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, 6.0% of the 1 Month US Bank Deposit Index and 7.0% of the Citigroup 3-Month T-Bill Index.

#### Direct Index 3-5 Mix

<u>Benchmark:</u> 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% of the Citigroup World Gov't Bond Index ex-USA, 23.5% of the Bloomberg Barclays Capital U.S. Aggregate Index, 9.5% of the Bloomberg Barclays Capital U.S. Govt/Credit 1-5 Float Index, 3.5% the MSCI US REIT Index, 3.0% of the 1 Month US Bank Deposit Index and 5.5% of the Citigroup 3-Month T-Bill Index.

#### Direct Index 0-2 Mix

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% of the 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.

#### Direct Conservative Static Mix

Benchmark: A composite of 12.0% of the S&P 500 Index, 2.0% of the FTSE High Dividend Yield Index, 2.0% of the Russell 1000 Growth Index, 1.0% of the S&P Completion Index, 0.5% of the Russell 2000 Index, 0.5% of the Russell 2000 Growth Index, 5.0% of the MSCI ACWI ex USA (Net) Index, 4.0% Citigroup World Gov't Bond Index ex-USA, 28.0% of the Bloomberg Barclays Capital U.S. Aggregate Index, 17.0% of the Bloomberg Barclays Capital U.S. Treasury: U.S. TIPS 0-5 Year Index, 2.0% of the MSCI US REIT Index, and 10.0% of the Citigroup 3-Month T-Bill Index.

#### Direct Balanced Static Mix

Benchmark: A composite of 18.0% of the S&P 500 Index, 8.0% of the FTSE High Dividend Yield Index, 8.0% of the Russell 1000 Growth Index, 1.0% of the S&P Completion Index, 2.0% of the Russell 2000 Index, 2.0% of the Russell 2000 Growth 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. Aggregate Index, 9.5% of the Bloomberg Barclays Capital U.S. Govt/Credit 1-5 Float Index, 3.5% of the MSCI US REIT Index, and 3.0% of the Citigroup 3-Month T-Bill Index.

#### Direct Moderate Growth Static Mix

<u>Benchmark:</u> A composite of 22.0% of the S&P 500 Index, 9.0% of the FTSE High Dividend Yield Index, 9.0% of the Russell 1000 Growth Index, 1.0% of the S&P Completion Index, 2.5% of the Russell 2000 Index, 2.5% of the Russell 2000 Growth 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, and 4.0% of the MSCI US REIT Index.

#### **Growth Static Mix**

Benchmark: A composite of 32.0% of the S&P 500 Index, 10.0% of the FTSE High Dividend Yield Index, 10.0% of the Russell 1000 Growth Index, 2.0% of the Russell 2000 Index, 3.0% of the Russell 2000 Index, 3.0% of the Russell 2000 Growth Index, 20.0% of the MSCI ACWI ex USA (Net) Index, 2.0% Citigroup Gov't World Bond Index ex USA, 13.0% of the Bloomberg Barclays Capital U.S. Aggregate Index, and 5.0% of the MSCI US REIT Index.

#### Direct All Equity Static Mix

Benchmark: A composite of 38.0% of the S&P 500 Index, 11.5% of the FTSE High Dividend Yield Index, 11.5% of the Russell 1000 Growth Index, 2.0% of the S&P Completion Index, 4.25% of the Russell 2000 Index, 4.25% of the Russell 2000 Growth Index, 23.25% of the MSCI ACWI ex USA (Net) Index, and 5.25% of the MSCI US REIT Index.



#### TDA Core 19+ Mix

Benchmark: A composite of 12.0% of the S&P 500 Index, 3.0% of the FTSE Developed All Cap ex US Index, 25.0% of the Bloomberg Barclays US Aggregated 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% of the FTSE 3-Month T-Bill.

#### TDA Core 17-18 Mix

<u>Benchmark:</u> 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.

#### TDA Core 15-16 Mix

<u>Benchmark:</u> A composite of 27.5% of the S&P 500 Index, 6.0% of the FTSE Developed All Cap ex US Index, 1.5% of the FTSE Emerging Markets All Cap China A Inclusion Index, 26.5% of the Bloomberg Barclays US. 3.1-5 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.

#### TDA Core 13-14 Mix

<u>Benchmark:</u> 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.

#### TDA 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.

#### TDA 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.

#### TDA 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.

#### TDA 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.



#### TDA Core 0-2 Mix

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

#### TDA Socially Aware 19+ Mix

Benchmark: A composite of 11.0% of the MSCI USA Extended ESG Focus Index, 1.0% of the TIAA ESG USA Small-Cap Index, 3.0% of the MSCI EAFE Extended ESG Focus Index, 25.0% of the Bloomberg Barclays 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.

### TDA 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.

## TDA 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.

#### TDA 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.

#### TDA 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 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.

#### TDA 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.

#### TDA 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.



## TDA Socially Aware 3-5 Mix

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

#### TDA 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.

## TDA 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.

#### TDA 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.

#### TDA 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.

#### TDA Core Moderate Static Mix

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

#### TDA Core Conservative Static Mix

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

#### TDA 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.



#### TDA 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.

#### TDA 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.

#### TDA Socially Aware Moderate Static Mix

<u>Benchmark:</u> 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.

## TDA 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.

#### Advisor Aggressive 19+ Mix

Benchmark: A composite of 12.0% of the S&P 500 Index, 2.0% of the Russell 1000 Value Index, 2.0% of the Russell 1000 Growth Index, 1.0% of the S&P Completion Index, 0.5% of the Russell 2000 Index, 0.5% of the Russell 2000 Growth Index, 5.0% of the MSCI ACWI ex USA (Net) Index, 4.0% of the Citigroup World Gov't Bond Index ex USA, 28.0% of the Bloomberg Barclays Capital U.S. Govt/Credit 1-5 Float Index, 5.0% of the Bloomberg Barclays Capital U.S. TIPS 0-5 Year Index, 2.0% of the MSCI US REIT Index, 10.0% of the 1 Month U.S. Bank Deposit Index, and 11.0% of the Citigroup 3-Month T-Bill Index.

#### Advisor Aggressive 17-18 Mix

Benchmark: A composite of 13.0% of the S&P 500 Index, 4.5% of the Russell 1000 Value Index, 4.5% of the Russell 1000 Growth Index, 1.0% of the S&P Completion Index, 1.0% of the Russell 2000 Index, 1.0% of the Russell 2000 Growth Index, 7.5% of the MSCI ACWI ex USA (Net) Index, 4.0% of the Citigroup World Gov't Bond Index ex USA, 26.5% of the Bloomberg Barclays Capital U.S. Aggregate Index, 15.0% of the Bloomberg Barclays Capital U.S. Govt/Credit 1-5 Float Index, 2.5% of the Bloomberg Barclays Capital U.S. TIPS 0-5 Year Index, 2.5% of the MSCI US REIT Index, 8.0% of the 1 Month U.S. Bank Deposit Index, and 9.0% of the Citigroup 3-Month T-Bill Index.

#### Advisor Aggressive 15-16 Mix

Benchmark: A composite of 14.0% of the S&P 500 Index, 7.0% of the Russell 1000 Value Index, 7.0% of the Russell 1000 Growth Index, 1.0% of the S&P Completion Index, 1.5% of the Russell 2000 Index, 1.5% of the Russell 2000 Growth Index, 10.0% of the MSCI ACWI ex USA (Net) Index, 4.0% of the 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, 6.0% of the 1 Month U.S. Bank Deposit Index and 7.0% of the Citigroup 3-Month T-Bill Index.



#### Advisor Aggressive 13-14 Mix

Benchmark: A composite of 18.0% of the S&P 500 Index, 8.0% of the Russell 1000 Value Index, 8.0% of the Russell 1000 Growth Index, 1.0% of the S&P Completion Index, 2.0% of the Russell 2000 Index, 2.0% of the Russell 2000 Growth Index, 12.5% of the MSCI ACWI ex USA (Net) Index, 3.5% of the Citigroup World Gov't Bond Index ex USA, 23.5% of the Bloomberg Barclays Capital U.S. Aggregate Index, 9.5% of the Bloomberg Barclays Capital U.S. Govt/Credit 1-5 Float Index, 3.5% of the MSCI US REIT Index, 3.0% of the 1 Month U.S. Bank Deposit Index and 5.5% of the Citigroup 3-Month T-Bill Index.

#### Advisor Aggressive 11-12 Mix

Benchmark: A composite of 22.0% of the S&P 500 Index, 9.0% of the Russell 1000 Value Index, 9.0% of the Russell 1000 Growth Index, 1.0% of the S&P Completion Index, 2.5% of the Russell 2000 Index, 2.5% of the Russell 2000 Growth Index, 15.0% of the MSCI ACWI ex USA (Net) Index, 3.0% of the 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.

#### Advisor Aggressive 9-10 Mix

Benchmark: A composite of 27.0% of the S&P 500 Index, 9.5% of the Russell 1000 Value Index, 9.5% of the Russell 1000 Growth Index, 1.5% of the S&P Completion Index, 2.8% of the Russell 2000 Index, 2.8% of the Russell 2000 Growth Index, 17.5% of the MSCI ACWI ex USA (Net) Index, 2.5% of the Citigroup World Gov't Bond Index ex USA, 17.5% of the Bloomberg Barclays Capital U.S. Aggregate Index, 3.0% 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.

## Advisor Aggressive 6-8 Mix

Benchmark: A composite of 32.0% of the S&P 500 Index, 10.0% of the Russell 1000 Value Index, 10.0% of the Russell 1000 Growth Index, 2.0% of the S&P Completion Index, 3.0% of the Russell 2000 Index, 3.0% of the Russell 2000 Growth Index, 20.0% of the MSCI ACWI ex USA (Net) Index, 2.0% of the 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.

#### Advisor Aggressive 3-5 Mix

Benchmark: A composite of 36.0% of the S&P 500 Index, 11.0% of the Russell 1000 Value Index, 11.0% of the Russell 1000 Growth Index, 2.0% of the S&P Completion Index, 4.0% of the Russell 2000 Index, 4.0% of the Russell 2000 Growth 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.

#### Advisor Aggressive 0-2 Mix

Benchmark: A composite of 38.0% of the S&P 500 Index, 11.5% of the Russell 1000 Value Index, 11.5% of the Russell 1000 Growth Index, 2.0% of the S&P Completion Index, 4.25% of the Russell 2000 Index, 4.25% of the Russell 2000 Index, 4.25% of the Russell 2000 Growth Index, 23.25% of the MSCI ACWI ex USA (Net) Index, and 5.25% of the MSCI US REIT Index.

#### Advisor Growth 19+ Mix

Benchmark: A composite of 4.0% of the S&P 500 Index, 1.0% of the MSCI ACWI ex USA (Net) Index, 2.0% of the Citigroup World Gov't Bond Index ex USA, 15.0% of the Bloomberg Barclays Capital U.S. Aggregate Index, 18.0% of the Bloomberg Barclays Capital U.S. Govt/Credit 1-5 Float Index, 5.0% of the Bloomberg Barclays Capital U.S. TIPS 0-5 Year Index, 20.0% of the 1 Month US Bank Deposit Index and 35.0% of the Citigroup 3-Month T-Bill Index.

#### Advisor Growth 17-18 Mix

Benchmark: A composite of 10.0% of the S&P 500 Index, 1.0% of the S&P Completion Index, 3.0% of the MSCI ACWI ex USA (Net) Index, 3.0% of the Citigroup World Gov't Bond Index ex USA, 25.0% of the Bloomberg Barclays Capital U.S. Aggregate Index, 15.0% of the Bloomberg Barclays Capital U.S. Govt/Credit 1-5 Float Index, 9.0% of the Bloomberg Barclays Capital U.S. Treasury: U.S. TIPS 0-5 Year Index, 1.0% of the MSCI US REIT Index, 15.0% of the 1 Month US Bank Deposit Index and 18.0% of the Citigroup 3-Month T-Bill Index.



#### Advisor Growth 15-16 Mix

Benchmark: A composite of 12.0% of the S&P 500 Index, 2.0% of the Russell 1000 Value Index, 2.0% of the Russell 1000 Growth Index, 1.0% of the S&P Completion Index, 0.5% of the Russell 2000 Index, 0.5% of the Russell 2000 Index, 0.5% of the Russell 2000 Growth Index, 5.0% of the MSCI ACWI ex USA (Net) Index, 4.0% of the Citigroup World Gov't Bond Index ex USA, 28.0% of the Bloomberg Barclays Capital U.S. Govt/Credit 1-5 Float Index, 5.0% of the Bloomberg Barclays Capital U.S. Treasury: U.S. TIPS 0-5 Year Index, 2.0% of the MSCI US REIT Index, 10.0% of the 1 Month US Bank Deposit Index and 11.0% of the Citigroup 3-Month T-Bill Index.

#### Advisor Growth 13-14 Mix

Benchmark: A composite of 13.0% of the S&P 500 Index, 4.5% of the Russell 1000 Value Index, 4.5% of the Russell 1000 Growth Index, 1.0% of the S&P Completion Index, 1.0% of the Russell 2000 Index, 1.0% of the Russell 2000 Growth Index, 7.5% of the MSCI ACWI ex USA (Net) Index, 4.0% of the Citigroup World Gov't Bond Index ex USA, 26.5% of the Bloomberg Barclays Capital U.S. Aggregate Index, 15.0% of the Bloomberg Barclays Capital U.S. Govt/Credit 1-5 Float Index, 2.5% of the Bloomberg Barclays Capital U.S. TIPS 0-5 Year Index, 2.5% of the MSCI US REIT Index, 8.0% of the 1 Month US Bank Deposit Index and 9.0% of the Citigroup 3-Month T-Bill Index.

#### Advisor Growth 11-12 Mix

Benchmark: A composite of 14.0% of the S&P 500 Index, 7.0% of the Russell 1000 Value Index, 7.0% of the Russell 1000 Growth Index, 1.0% of the S&P Completion Index, 1.5% of the Russell 2000 Index, 1.5% of the Russell 2000 Growth Index, 10.0% of the MSCI ACWI ex USA (Net) Index, 4.0% of the 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, 6.0% of the 1 Month US Bank Deposit Index, and 7.0% of the Citigroup 3-Month T-Bill Index.

#### Advisor Growth 9-10 Mix

Benchmark: A composite of 18.0% of the S&P 500 Index, 8.0% of the Russell 1000 Value Index, 8.0% of the Russell 1000 Growth Index, 1.0% of the S&P Completion Index, 2.0% of the Russell 2000 Index, 2.0% of the Russell 2000 Growth Index, 12.5% of the MSCI ACWI ex USA (Net) Index, 3.5% of the Citigroup World Gov't Bond Index ex USA, 23.5% of the Bloomberg Barclays Capital U.S. Aggregate Index, 9.5% of the Bloomberg Barclays Capital U.S. Govt/Credit 1-5 Float Index, 3.5% of the MSCI US REIT Index, 3.0% of the 1 Month US Bank Deposit Index, and 5.5% of the Citigroup 3-Month T-Bill Index.

#### Advisor Growth 6-8 Mix

Benchmark: A composite of 22.0% of the S&P 500 Index, 9.0% of the Russell 1000 Value Index, 9.0% of the Russell 1000 Growth Index, 1.0% of the S&P Completion Index, 2.5% of the Russell 2000 Index, 2.5% of the Russell 2000 Growth Index, 15.0% of the MSCI ACWI ex USA (Net) Index, 3.0% of the 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.

#### Advisor Growth 3-5 Mix

Benchmark: A composite of 27.0% of the S&P 500 Index, 9.5% of the Russell 1000 Value Index, 9.5% of the Russell 1000 Growth Index, 1.5% of the S&P Completion Index, 2.8% of the Russell 2000 Index, 2.8% of the Russell 2000 Growth Index, 17.5% of the MSCI ACWI ex USA (Net) Index, 2.5% of the Citigroup World Gov't Bond Index ex USA, 17.5% of the Bloomberg Barclays Capital U.S. Aggregate Index, 3.0% 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.

#### Advisor Growth 0-2 Mix

Benchmark: A composite of 32.0% of the S&P 500 Index, 10.0% of the Russell 1000 Value Index, 10.0% of the Russell 1000 Growth Index, 2.0% of the S&P Completion Index, 3.0% of the Russell 2000 Index, 3.0% of the Russell 2000 Growth Index, 20.0% of the MSCI ACWI ex USA (Net) Index, 13.0% of the Bloomberg Barclays Capital U.S. Aggregate Index, 5.0% of the MSCI US REIT Index.

#### Advisor Index 19+ Mix

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



Advisor Index 17-18 Mix

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

#### Advisor Index 15-16 Mix

Benchmark: A composite of 4.0% of the S&P 500 Index, 1.0% of the MSCI ACWI ex USA (Net) Index, 2.0% of the Citigroup World Gov't Bond Index ex USA, 15.0% of the Bloomberg Barclays Capital U.S. Aggregate Index, 18.0% of the Bloomberg Barclays Capital U.S. Govt/Credit 1-5 Float Index, 5.0% of the Bloomberg Barclays U.S. TIPS 0-5 Year Index, 20.0% of the 1 Month U.S. Bank Deposit Index, and 35.0% of the Citigroup 3-Month T-Bill Index.

#### Advisor Index 13-14 Mix

Benchmark: A composite of 10.0% of the S&P 500 Index, 1.0% of the S&P Completion Index, 3.0% of the MSCI ACWI ex USA (Net) Index, 3.0% of the Citigroup World Gov't Bond Index ex USA, 25.0% of the Bloomberg Barclays Capital U.S. Aggregate Index, 15.0% of the Bloomberg Barclays Capital U.S. Govt/Credit 1-5 Float Index, 9.0% of the Bloomberg Barclays U.S. Treasury TIPS 0-5 Year Index, 1.0% of the MSCI US REIT Index, 15.0% of the 1 Month U.S. Bank Deposit Index, and 18.0% of the Citigroup 3-Month T-Bill Index.

#### Advisor Index 11-12 Mix

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% of the 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 U.S. Treasury TIPS 0-5 Year Index, 2.0% of the MSCI US REIT Index, 10.0% of the 1 Month U.S. Bank Deposit Index, and 11.0% of the Citigroup 3-Month T-Bill Index.

#### Advisor Index 9-10 Mix

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% of the Citigroup World Gov't Bond Index ex USA, 26.5% of the Bloomberg Barclays Capital U.S. Aggregate Index, 15.0% of the Bloomberg Barclays Capital U.S. Govt/Credit 1-5 Float Index, 2.5% of the Bloomberg Barclays U.S. Treasury TIPS 0-5 Year Index, 2.5% of the MSCI US REIT Index, 8.0% of the 1 Month U.S. Bank Deposit Index, and 9.0% of the Citigroup 3-Month T-Bill Index.

#### Advisor Index 6-8 Mix

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% of the 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, 6.0% of the 1 Month U.S. Bank Deposit Index, and 7.0% of the Citigroup 3-Month T-Bill Index.

#### Advisor Index 3-5 Mix

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% of the Citigroup World Gov't Bond Index ex USA, 23.5% of the Bloomberg Barclays Capital U.S. Aggregate Index, 9.5% of the Bloomberg Barclays Capital U.S. Govt/Credit 1-5 Float Index, 3.5% of the MSCI US REIT Index, 3.0% of the 1 Month U.S. Bank Deposit Index, and 5.5% of the Citigroup 3-Month T-Bill Index.

#### Advisor Index 0-2 Mix

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% of the 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.

#### Advisor Conservative Static Mix

Benchmark: A composite of 12.0% of the S&P 500 Index, 2.0% of the Russell 1000 Value Index, 2.0% of the Russell 1000 Growth Index, 1.0% of the S&P Completion Index, 0.5% of the Russell 2000 Index, 0.5% of the Russell 2000 Index, 0.5% of the Russell 2000 Growth Index, 5.0% of the MSCI ACWI ex USA (Net) Index, 4.0% of the Citigroup World Gov't Bond Index ex USA, 28.0% of the Bloomberg Barclays Capital U.S. Govt/Credit 1-5 Float Index, 5.0% of the Bloomberg Barclays Capital U.S. Treasury: U.S. TIPS 0-5 Year Index, 2.0% of the MSCI US REIT Index, 10.0% of the 1 Month U.S. Bank Deposit Index, and 11.0% of the Citigroup 3-Month T-Bill Index.



#### Advisor Balanced Static Mix

Benchmark: A composite of 18.0% of the S&P 500 Index, 8.0% of the Russell 1000 Value Index, 8.0% of the Russell 1000 Growth Index, 1.0% of the S&P Completion Index, 2.0% of the Russell 2000 Index, 2.0% of the Russell 2000 Growth Index, 12.5% of the MSCI ACWI ex USA (Net) Index, 3.5% of the Citigroup World Gov't Bond Index ex USA, 23.5% of the Bloomberg Barclays Capital U.S. Aggregate Index, 9.5% of the Bloomberg Barclays Capital U.S. Govt/Credit 1-5 Float Index, 3.5% of the MSCI US REIT Index, 3.0% of the 1 Month U.S. Bank Deposit Index, and 5.5% of the Citigroup 3-Month T-Bill Index.

#### Advisor Moderate Growth Static Mix

Benchmark: A composite of 22.0% of the S&P 500 Index, 9.0% of the Russell 1000 Value Index, 9.0% of the Russell 1000 Growth Index, 1.0% of the S&P Completion Index, 2.5% of the Russell 2000 Index, 2.5% of the Russell 2000 Growth Index, 15.0% of the MSCI ACWI ex USA (Net) Index, 3.0% of the 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.

## Advisor Growth Static Mix

<u>Benchmark:</u> A composite of 32.0% of the S&P 500 Index, 10.0% of the Russell 1000 Value Index, 10.0% of the Russell 1000 Growth Index, 2.0% of the S&P Completion Index, 3.0% of the Russell 2000 Index, 3.0% of the Russell 2000 Growth Index, 20.0% of the MSCI ACWI ex USA (Net) Index, 2.0% of the 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.

#### Advisor All Equity Static Mix

Benchmark: A composite of 38.0% of the S&P 500 Index, 11.5% of the Russell 1000 Value Index, 11.5% of the Russell 1000 Growth Index, 2.0% of the S&P Completion Index, 4.25% of the Russell 2000 Index, 4.25% of the Russell 2000 Growth Index, 23.25% of the MSCI ACWI ex USA (Net) Index, and 5.25% of the MSCI US REIT Index.



# **Enable Savings Plan**

**Growth Mix** 

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

Moderate

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

Conservative Mix

Benchmark: A composite of 21.0% of the CRSP U.S. Total Market TR Index, 9.0% of the MSCI All Country World ex-U.S. (Net), 25.0% of the Blmbg. Barc. U.S. Aggregate, 15.0% of the Blmbg. Barc. U.S. 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. Aggregate Index, 3.0% 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. Aggregate Index, 9.5% 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.



# 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. Aggregate Index, 9.5% 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.



# 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 June 2018, ICE BofAML 3 Month T-Bill. As of June 2009, FTSE 1 Month CD. As of October 1997, 90-Day T-Bill + 15 basis points. Prior to October 1997, 90-Day T-Bill + 90 basis points

Operating Investment Pool (Internal Government/Corporate)

Benchmark: As of March 2014, BofA Merrill Lynch Custom Index\*. Prior to March 2014, the Bloomberg Barclays Capital Intermediate Government/Corporate Index.

**Total Operating Investment Pool** 

Benchmark As of June 2018, 15% ICE BofAML 3 Month T-Bill and 85% BofA Merrill Lynch Custom Index\*. As of March 2014, 15% FTSE 1-month CD and 85% BofA Merrill Lynch Custom Index\*. As of November 2011, 15% FTSE 1-month CD and 85% Bloomberg Barclays Capital Intermediate Government/Corporate Index. As of June 2009, 90% of the Bloomberg Barclays Intermediate Government/Credit Index and 10% of the FTSE 1-month CD. Prior to July 2003, the benchmark consisted of 85% of the ML 1-3 Year Government/Credit Index and 15% of the 90-Day T-Bill + 15 basis points. Prior to October 1997, the benchmark consisted of 50% of the ML 1-3 Year Government/Credit Index and 50% of the 90-Day T-Bill + 90 basis points.

\*BofA Merrill Lynch Custom Index is composed of 60% BofA Merrill Lynch US Treasury/Agency 1-10 Year Index and 40% BofA Merrill Lynch US Corporate A-AAA 1-10 Year Index



## **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/Blmbq. 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.



# 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.



# 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.

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