Investment Performance Review Period Ending June 30, 2021

# Miami Springs Police & Fire Retirement System



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**2nd Quarter 2021 Market Environment** 



#### The Economy

- The US economy continues to recover as widespread vaccine distribution has resulted in the reopening of many state and local economies.
- The recent rise in demand for goods and services has resulted in strong inflationary pressures. The annual rate of inflation increased to 5.0% in May, up from 4.2% in April.
- The US labor market continues to recover as evidenced by the decline in the unemployment rate. Recently, several states have moved to reduce or eliminate additional unemployment benefits to incentivize people to return to work. Overall, wage growth has shown signs of accelerating as employers struggle to fill job openings.
- Despite leaving interest rates unchanged at their most recent meeting, the Fed did change the language of its statement suggesting that interest rates may rise sooner rather than later.

#### **Equity (Domestic and International)**

- US equities rose to all-time highs during the second quarter, primarily due to the optimism related to increased control over the pandemic. Reversing performance from recent quarters, growth outpaced value and large companies resumed market leadership relative to smaller peers.
- International equities performed well during the 2nd quarter, albeit at a less frenetic pace than their domestic counterparts. Also similar to the US, growth outperformed value and emerging countries underperformed developed ones.

#### **Fixed Income**

- Despite the continued global economic recovery and rising inflation concerns, US interest rates dipped during the quarter as the US 10-Year Treasury bond fell 27 basis points to close at 1.47%.
- Performance across all bond markets sectors was positive during the quarter, led by investment grade corporate bonds. The combination of lower gross issuance levels, in conjunction with a longer maturity profile relative to high yield bonds, were the primary catalysts of performance during the period.
- Within investment grade credit, Lower quality issues outperformed higher quality sectors during the quarter. Consistent with the economic recovery theme, as investors' expectations of future growth improves, those credits should perform well as earnings growth accelerates.

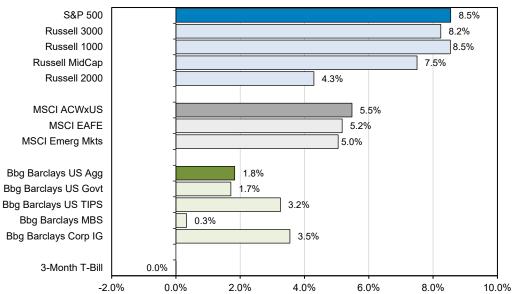
#### **Market Themes**

- Global central monetary policy remains largely intact and accommodative. Both the Fed and the European Central Bank remain committed to their repurchase programs. Given these conditions, barring a socioeconomic or geopolitical shock, it is reasonable to expect risk assets to continue experiencing solid returns.
- US interest rates are likely to remain low for the remainder of 2021. As a result, credit should continue to outperform both higher quality Treasury and government bonds.
- Finally, low interest rates have historically been a tailwind for growth equities. Given
  that the Fed has committed to keeping rates unchanged in the near-term, growthoriented companies could continue to lead the market.

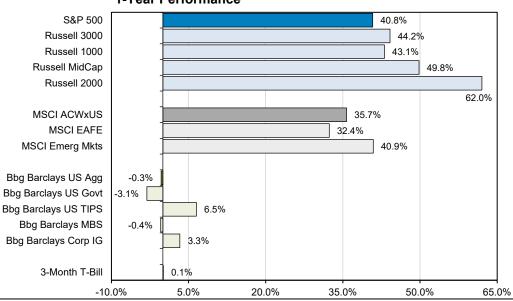


- Broad US equity markets experienced strong returns during the 2nd guarter of 2021. The primary catalyst during the period was the continued reopening of state and local economies resulting from the ongoing distribution of vaccines. Importantly, US interest rates also fell during the period which resulted in large, growth-oriented companies resuming market leadership. For the period, large cap companies returned 8.5%, compared to 7.5% for mid-caps and 4.3% for small company stocks.
- Similar to domestic markets, broad international equity markets also posted positive returns for the 2nd quarter. The re-opening of global economies, particularly Europe, were key drivers of performance. During the period, the MSCI EAFE Index return of 5.2% modestly outperformed the MSCI Emerging Markets Index return of 5.0%
- For the quarter, bond market returns were generally positive as interest rates declined. The Bloomberg Barclays (BB) US Aggregate Index returned 1.8%, trailing both US TIPS and Investment Grade Corporate bonds which returned 3.2% and 3.5% respectively.
- The trailing 1-year chart details the market's dramatic reversal following the onset of the pandemic last year. All broad US equity market indexes have recovered and are trading at near-record levels. Most notably, domestic small cap stocks have led the market higher by returning 62.0% compared to US large caps which returned 43.1% over the trailing 1-year period.
- Over the trailing 1-year period the MSCI EAFE Index return of 32.4% fell short of the MSCI Emerging Markets Index return of 40.9%. Higher growth benefits areas like emerging markets which are more sensitive to changes in economic activity. As a result, as global markets continue to recover, economically sensitive emerging countries may recover at a faster rate.
- Bond market returns over the trailing 1-year period were relatively muted compared to equities. US TIPS led the way as investors remain concerned about the potential for rising inflation. The TIPS Index returned 6.5% for the period while investment grade corporate bonds returned 3.3%. Higher quality, lower coupon bonds generally struggled to perform during the period as US interest rates generally moved higher.





#### 1-Year Performance

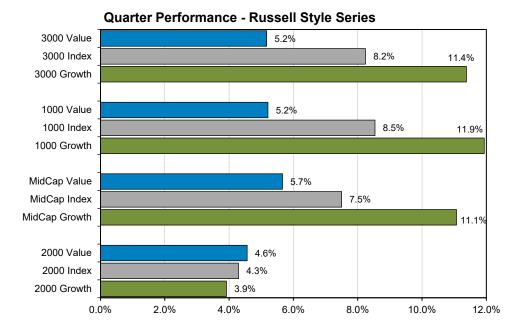


Source: Investment Metrics

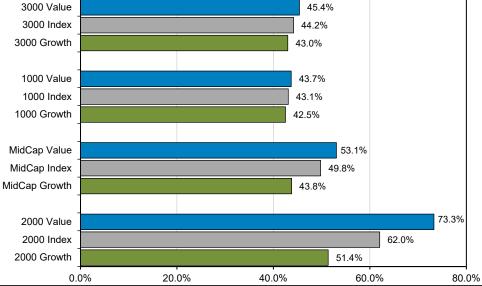


- The market's strong momentum continued during the quarter as all broad US equity benchmarks posted their 5th straight quarter of positive returns across both the style and market capitalization spectrums. However, we did see a reversal during the period as large cap stocks resumed leadership followed by mid and small caps. The Russell 1000 Index returned a strong 8.5% compared to 7.5% for the Russell Mid Cap Index and 4.3% for the Russell 2000 Index.
- Growth stocks outpaced value stocks for the first time in two quarters. The Russell 1000 Growth Index was the best performing style index for the quarter, posting a return of 11.9%. Mid cap growth stock performance was not far behind, returning 11.1%. However, in small cap stocks, value outpaced growth for the quarter with the Russell 2000 Value Index returning 4.6% compared to 3.9% for the Russell 2000 Growth Index.

- Performance across all market capitalizations and styles was very strong over the trailing 1-year period.
- Despite the recent gains made by growth stocks, value stocks outpaced growth issues across all market capitalizations over the trailing 1-year period. Given the strong economic recovery, it is not surprising that small cap value stocks performed the best with the Russell 2000 Value Index returning 73.3%. While the dispersion between value and growth was widest in small cap stocks, it narrowed significantly moving up the market capitalization spectrum.



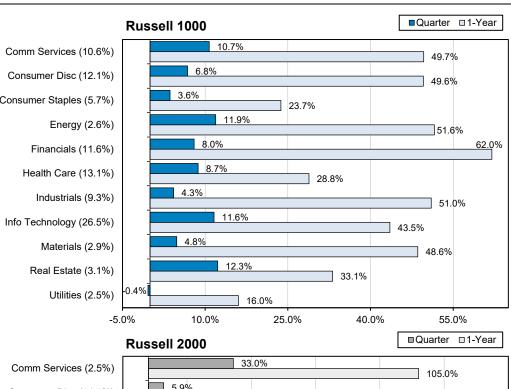


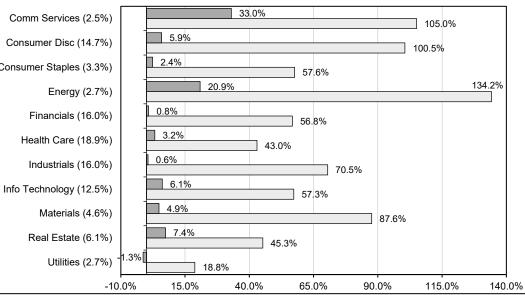


Source: Investment Metrics



- Sector performance was positive across ten of the eleven large cap economic sectors for the 2<sup>nd</sup> quarter. Five sectors outpaced the return of the broad index during the period.
- Inflation-sensitive sectors like real estate and energy were the two best performing sectors for the quarter, returning 12.3% and 11.9% respectively. In general, companies in sectors with the ability to pass along rising costs to Consumer Staples (5.7%) consumers experienced the strongest returns. The technology sector benefited from falling interest rates during the period, which acted as a tailwind to earnings. While nearly all sectors experienced positive results, the utilities sector (-0.4%) lagged its peers and the broad index results.
- For the full year, seven sectors exceeded the return of the broad large cap benchmark: communication services, consumer discretionary, energy, financials, industrials, information technology, and materials. Over the trailing 1-year period, financials (62.0%), energy (51.6%), industrials (51.0%), and communication services (49.7%) were the best performing economic sectors. The weakest economic sector in the Russell 1000 for the trailing year, utilities, still managed to produce a strong return of 16.0%.
- Similar to large cap stocks, ten of the eleven small cap sectors posted positive performance for the quarter and six of them managed to outpace the return of the broad Russell 2000 Index. Communication services was the best performing sector during the quarter, returning a robust 33.0%. Energy stocks also performed well during the period with a return of 20.9%.
- For the full 1-year period, five of the eleven sectors outperformed the broad Consumer Staples (3.3%) benchmark: energy (134.2%), communication services (105.0%), consumer discretionary (100.5%), materials (87.6%), and industrials (70.5%). The combination of rapidly improving economic conditions, rising energy prices, and increased inflationary pressures were the primary catalysts for the exceptional performance.







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



| Top 10 Weighted Stocks         |        |                 |                  |                        |  |  |
|--------------------------------|--------|-----------------|------------------|------------------------|--|--|
| Russell 1000                   | Weight | 1-Qtr<br>Return | 1-Year<br>Return | Sector                 |  |  |
| Apple Inc                      | 5.22%  | 12.3%           | 51.2%            | Information Technology |  |  |
| Microsoft Corp                 | 4.96%  | 15.2%           | 34.4%            | Information Technology |  |  |
| Amazon.com Inc                 | 3.62%  | 11.2%           | 24.7%            | Consumer Discretionary |  |  |
| Facebook Inc A                 | 2.02%  | 18.1%           | 53.1%            | Communication Services |  |  |
| Alphabet Inc A                 | 1.78%  | 18.4%           | 72.2%            | Communication Services |  |  |
| Alphabet Inc Class C           | 1.73%  | 21.2%           | 77.3%            | Communication Services |  |  |
| Tesla Inc                      | 1.28%  | 1.8%            | 214.7%           | Consumer Discretionary |  |  |
| Berkshire Hathaway Inc Class B | 1.27%  | 8.8%            | 55.7%            | Financials             |  |  |
| NVIDIA Corp                    | 1.16%  | 49.9%           | 110.8%           | Information Technology |  |  |
| JPMorgan Chase & Co            | 1.14%  | 2.8%            | 70.7%            | Financials             |  |  |

| Top 10 Weighted Stocks                |        |                 |                  |                        |  |  |
|---------------------------------------|--------|-----------------|------------------|------------------------|--|--|
| Russell 2000                          | Weight | 1-Qtr<br>Return | 1-Year<br>Return | Sector                 |  |  |
| AMC Entmt Holdings Inc Class A        | 0.76%  | 455.1%          | 1221.2%          | Communication Services |  |  |
| Intellia Therapeutics Inc             | 0.34%  | 101.7%          | 670.3%           | Health Care            |  |  |
| Arrowhead Pharmaceuticals Inc         | 0.28%  | 24.9%           | 91.8%            | Health Care            |  |  |
| Ovintiv Inc                           | 0.27%  | 32.7%           | 240.7%           | Energy                 |  |  |
| Lattice Semiconductor Corp            | 0.25%  | 24.8%           | 97.9%            | Information Technology |  |  |
| II-VI Inc                             | 0.25%  | 6.2%            | 53.7%            | Information Technology |  |  |
| Crocs Inc                             | 0.25%  | 44.8%           | 216.5%           | Consumer Discretionary |  |  |
| Scientific Games Corp Ordinary Shares | 0.25%  | 101.0%          | 400.9%           | Consumer Discretionary |  |  |
| Staar Surgical Co                     | 0.24%  | 44.7%           | 147.8%           | Health Care            |  |  |
| Denali Therapeutics Inc               | 0.24%  | 37.4%           | 224.4%           | Health Care            |  |  |

| Top 10 Performing Stocks (by Quarter) |        |                 |                  |                        |  |  |
|---------------------------------------|--------|-----------------|------------------|------------------------|--|--|
| Russell 1000                          | Weight | 1-Qtr<br>Return | 1-Year<br>Return | Sector                 |  |  |
| Moderna Inc                           | 0.19%  | 79.4%           | 266.0%           | Health Care            |  |  |
| NovoCure Ltd                          | 0.06%  | 67.8%           | 274.1%           | Health Care            |  |  |
| Hayward Holdings Inc                  | 0.00%  | 54.1%           | N/A              | Consumer Discretionary |  |  |
| Cloudflare Inc                        | 0.06%  | 50.6%           | 194.4%           | Information Technology |  |  |
| Virgin Galactic Holdings Inc Shs A    | 0.02%  | 50.2%           | 181.5%           | Industrials            |  |  |
| NVIDIA Corp                           | 1.16%  | 49.9%           | 110.8%           | Information Technology |  |  |
| Continental Resources Inc             | 0.01%  | 47.5%           | 117.7%           | Energy                 |  |  |
| Nutanix Inc A                         | 0.02%  | 43.9%           | 61.2%            | Information Technology |  |  |
| Roku Inc Class A                      | 0.13%  | 41.0%           | 294.1%           | Communication Services |  |  |
| Targa Resources Corp                  | 0.02%  | 40.4%           | 125.5%           | Energy                 |  |  |

| Top 10 Performing Stocks (by Quarter) |        |                 |                  |                        |  |
|---------------------------------------|--------|-----------------|------------------|------------------------|--|
| Russell 2000                          | Weight | 1-Qtr<br>Return | 1-Year<br>Return | Sector                 |  |
| AMC Entmt Holdings Inc Class A        | 0.76%  | 455.1%          | 1221.2%          | Communication Services |  |
| Brooklyn ImmunoTherap Inc Ord Shrs    | 0.01%  | 384.1%          | N/A              | Health Care            |  |
| Laredo Petroleum Inc                  | 0.04%  | 208.7%          | 569.5%           | Energy                 |  |
| Atossa Therapeutics Inc               | 0.02%  | 199.5%          | 66.3%            | Health Care            |  |
| Peabody Energy Corp                   | 0.02%  | 159.2%          | 175.3%           | Energy                 |  |
| Apollo Medical Holdings Inc           | 0.08%  | 131.9%          | 280.7%           | Health Care            |  |
| Asana Inc Ordinary Shares - Class A   | 0.15%  | 117.0%          | N/A              | Information Technology |  |
| Agiliti Inc Ordinary Shares           | 0.02%  | 116.5%          | 1338.8%          | Health Care            |  |
| HyreCar Inc                           | 0.01%  | 113.5%          | 614.0%           | Industrials            |  |
| Prothena Corp PLC                     | 0.06%  | 104.7%          | 391.5%           | Health Care            |  |

| Bottom 10 Performing Stocks (by Quarter) |        |                 |                  |                        |  |  |
|--|--------|-----------------|------------------|------------------------|--|--|
| Russell 1000                             | Weight | 1-Qtr<br>Return | 1-Year<br>Return | Sector                 |  |  |
| QuantumScape Corp Ord Shares A           | 0.01%  | -34.6%          | N/A              | Consumer Discretionary |  |  |
| Discovery Inc Class A                    | 0.01%  | -29.4%          | 45.4%            | Communication Services |  |  |
| Penn National Gaming Inc                 | 0.03%  | -27.0%          | 150.5%           | Consumer Discretionary |  |  |
| TripAdvisor Inc                          | 0.01%  | -25.1%          | 112.0%           | Communication Services |  |  |
| Sage Therapeutics Inc                    | 0.01%  | -24.1%          | 36.6%            | Health Care            |  |  |
| Discovery Inc C                          | 0.02%  | -21.4%          | 50.5%            | Communication Services |  |  |
| The Scotts Miracle Gro Co A              | 0.02%  | -21.4%          | 49.0%            | Materials              |  |  |
| CureVac NV Ordinary Shares               | 0.01%  | -19.7%          | N/A              | Health Care            |  |  |
| Exelixis Inc                             | 0.01%  | -19.3%          | -23.3%           | Health Care            |  |  |
| Guardant Health Inc                      | 0.03%  | -18.6%          | 53.1%            | Health Care            |  |  |

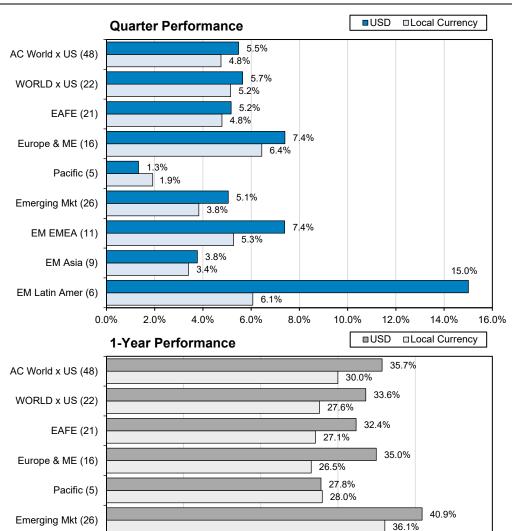
| Bottom 10 Performing Stocks (by Quarter) |        |                 |                  |                        |  |  |
|--|--------|-----------------|------------------|------------------------|--|--|
| Russell 2000                             | Weight | 1-Qtr<br>Return | 1-Year<br>Return | Sector                 |  |  |
| ChemoCentryx Inc                         | 0.02%  | -73.9%          | -76.7%           | Health Care            |  |  |
| Atea Pharmaceuticals Inc Ord Shares      | 0.05%  | -65.2%          | N/A              | Health Care            |  |  |
| Adverum Biotechnologies Inc              | 0.01%  | -64.5%          | -83.2%           | Health Care            |  |  |
| Vor Biopharma Inc Ordinary Shares        | 0.01%  | -56.7%          | N/A              | Health Care            |  |  |
| Aemetis Inc                              | 0.01%  | -54.4%          | 1282.9%          | Energy                 |  |  |
| Bolt Biotherapeutics Inc Ord Shares      | 0.01%  | -53.0%          | N/A              | Health Care            |  |  |
| Gemini Therapeutics Inc Ord Shares       | 0.00%  | -52.3%          | N/A              | Health Care            |  |  |
| iRhythm Technologies Inc                 | 0.06%  | -52.2%          | -42.7%           | Health Care            |  |  |
| Sigilon Therapeutics Inc Ord Shares      | 0.00%  | -52.0%          | N/A              | Health Care            |  |  |
| Aterian Inc                              | 0.01%  | -50.4%          | 166.5%           | Consumer Discretionary |  |  |

Source: Morningstar Direct



All broad international equity indexes tracked in the chart posted positive returns in both US dollar (USD) and local currency terms for the 2nd quarter. For the period, developed markets outperformed emerging markets in both USD and local currency. The MSCI EAFE Index returned 5.2% in USD and 4.8% in local currency terms for the period while the MSCI Emerging Markets Index returned a slightly lower 5.1% in USD and 3.8% in local currency terms.

The trailing 1-year results for international developed and emerging markets were positive across all regions and currencies. The MSCI EAFE Index returned 32.4% in USD and 27.1% in local currency terms, while the MSCI Emerging Markets Index returned 40.9% in USD and 36.1% in local currency terms. Performance within the emerging markets regions was led by Latin America with the EM Latin America Index returning 44.9% in USD and 31.0% in local terms.



**EM EMEA (11)** 

EM Latin Amer (6)

EM Asia (9)

0.0%

10.0%

20.0%

Source: MSCI Global Index Monitor (Returns are Net)



50.0%

37.4%

37.6%

40.0%

41.0%

44.9%

30.2%

31.0%

30.0%

| MSCI - EAFE            | Sector Weight | Quarter Return | 1-Year Return |
|------------------------|---------------|----------------|---------------|
| Communication Services | 4.9%          | 0.3%           | 26.1%         |
| Consumer Discretionary | 13.0%         | 5.5%           | 49.8%         |
| Consumer Staples       | 10.5%         | 8.5%           | 17.9%         |
| Energy                 | 3.2%          | 2.7%           | 29.1%         |
| Financials             | 17.0%         | 3.2%           | 40.2%         |
| Health Care            | 12.4%         | 9.3%           | 12.3%         |
| Industrials            | 15.5%         | 3.6%           | 39.6%         |
| Information Technology | 9.1%          | 8.3%           | 40.2%         |
| Materials              | 7.9%          | 5.1%           | 47.2%         |
| Real Estate            | 3.0%          | 5.3%           | 27.6%         |
| Utilities              | 3.4%          | -1.1%          | 12.7%         |
| Total                  | 100.0%        | 5.2%           | 32.4%         |
| MSCI - ACWIXUS         | Sector Weight | Quarter Return | 1-Year Return |
| Communication Services | 6.7%          | 1.5%           | 24.9%         |
| Consumer Discretionary | 13.8%         | 4.8%           | 44.6%         |
| Consumer Staples       | 8.5%          | 7.7%           | 19.1%         |
| Energy                 | 4.5%          | 8.2%           | 34.2%         |
| Financials             | 18.6%         | 4.3%           | 40.7%         |
| Health Care            | 9.3%          | 9.9%           | 15.2%         |
| Industrials            | 11.8%         | 4.4%           | 40.3%         |
| Information Technology | 12.9%         | 7.0%           | 56.6%         |
| Materials              | 8.3%          | 6.5%           | 49.5%         |
| Real Estate            | 2.6%          | 2.5%           | 22.3%         |
| Utilities              | 3.0%          | -0.3%          | 14.9%         |
| Total                  | 100.0%        | 5.5%           | 35.7%         |
| MSCI - Emerging Mkt    | Sector Weight | Quarter Return | 1-Year Return |
| Communication Services | 11.3%         | 1.9%           | 23.0%         |
| Consumer Discretionary | 17.6%         | 3.6%           | 36.8%         |
| Consumer Staples       | 5.6%          | 4.5%           | 23.7%         |
| Energy                 | 5.0%          | 12.1%          | 31.8%         |
| Financials             | 17.8%         | 4.2%           | 33.0%         |
| Health Care            | 5.0%          | 14.1%          | 32.3%         |
| Industrials            | 4.9%          | 13.2%          | 45.2%         |
| Information Technology | 20.4%         | 3.8%           | 75.8%         |
| Materials              | 8.4%          | 8.4%           | 71.4%         |
| Real Estate            | 2.0%          | -6.0%          | 6.6%          |
| Utilities              | 1.9%          | 2.0%           | 20.3%         |
| Total                  | 100.0%        | 5.1%           | 40.9%         |

|                           | MOOLEAGE            | MOOL A 014/1-110       | 0                 | 4 V               |
|---------------------------|---------------------|------------------------|-------------------|-------------------|
| Country                   | MSCI-EAFE<br>Weight | MSCI-ACWIxUS<br>Weight | Quarter<br>Return | 1- Year<br>Return |
| Japan                     | 23.2%               | 14.3%                  | -0.3%             | 24.8%             |
| United Kingdom            | 14.4%               | 8.9%                   | 6.0%              | 31.3%             |
| France                    | 11.5%               | 7.1%                   | 9.1%              | 40.9%             |
| Switzerland               | 9.8%                | 6.0%                   | 11.5%             | 24.3%             |
| Germany                   | 9.4%                | 5.8%                   | 4.7%              | 31.8%             |
| Australia                 | 7.2%                | 4.4%                   | 6.9%              | 39.6%             |
| Netherlands               | 4.4%                | 2.7%                   | 7.3%              | 49.6%             |
| Sweden                    | 3.8%                | 2.7%                   | 5.5%              | 53.9%             |
| Hong Kong                 | 3.3%                | 2.5%                   | 2.5%              | 29.0%             |
| Denmark                   | 2.6%                | 1.6%                   | 13.1%             | 44.2%             |
| Italy                     | 2.5%                | 1.5%                   | 3.6%              | 36.6%             |
| Spain                     | 2.5%                | 1.5%                   | 5.3%              | 30.7%             |
|                           | 1.1%                | 0.7%                   | 0.5%              |                   |
| Singapore<br>Finland      | 1.1%                | 0.7%                   | 10.8%             | 28.7%<br>34.7%    |
|                           |                     |                        |                   |                   |
| Belgium                   | 1.0%                | 0.6%                   | 9.2%              | 28.5%             |
| Ireland                   | 0.7%                | 0.4%                   | 2.4%              | 39.6%             |
| Norway                    | 0.6%                | 0.4%                   | 4.9%              | 49.6%             |
| Israel                    | 0.6%                | 0.4%                   | 5.1%              | 22.5%             |
| New Zealand               | 0.2%                | 0.2%                   | -5.1%             | -5.0%             |
| Austria                   | 0.2%                | 0.1%                   | 11.5%             | 70.9%             |
| Portugal                  | 0.2%                | 0.1%                   | -0.9%             | 11.4%             |
| Total EAFE Countries      | 100.0%              | 61.7%                  | 5.2%              | 32.4%             |
| Canada                    |                     | 7.0%                   | 10.0%             | 45.8%             |
| Total Developed Countries |                     | 68.7%                  | 5.7%              | 33.6%             |
| China                     |                     | 11.7%                  | 2.3%              | 27.4%             |
| Taiwan                    |                     | 4.4%                   | 7.1%              | 70.5%             |
| Korea                     |                     | 4.1%                   | 4.8%              | 66.2%             |
| India                     |                     | 3.1%                   | 6.9%              | 56.4%             |
| Brazil                    |                     | 1.6%                   | 22.9%             | 46.6%             |
| South Africa              |                     | 1.1%                   | -1.5%             | 39.9%             |
| Russia                    |                     | 1.1%                   | 14.0%             | 38.6%             |
| Saudi Arabia              |                     | 0.9%                   | 10.0%             | 49.3%             |
| Mexico                    |                     | 0.6%                   | 9.1%              | 55.9%             |
| Thailand                  |                     | 0.5%                   | -4.9%             | 7.0%              |
| Malaysia                  |                     | 0.4%                   | -2.5%             | 3.8%              |
| Indonesia                 |                     | 0.4%                   | -5.1%             | 7.6%              |
| Poland                    |                     | 0.2%                   | 18.7%             | 26.7%             |
| United Arab Emirates      |                     | 0.2%                   | 11.2%             | 50.4%             |
| Qatar                     |                     | 0.2%                   | 2.2%              | 15.1%             |
| Philippines               |                     | 0.2%                   | 7.6%              | 14.3%             |
| Chile                     |                     | 0.1%                   | -14.2%            | 23.4%             |
| Hungary                   |                     | 0.1%                   | 14.8%             | 46.1%             |
| Turkey                    |                     | 0.1%                   | -0.5%             | -13.0%            |
| Peru                      |                     | 0.1%                   | -8.8%             | 9.6%              |
| Colombia                  |                     | 0.1%                   | -2.9%             | 18.0%             |
| Argentina                 |                     | 0.0%                   | 5.8%              | 28.6%             |
| Greece                    |                     | 0.0%                   | 8.2%              | 32.0%             |
| Czech Republic            |                     | 0.0%                   | 14.6%             | 52.1%             |
| Egypt                     |                     | 0.0%                   | -9.2%             | -13.4%            |
| Pakistan                  |                     | 0.0%                   | -6.7%             | 13.2%             |
| Total Emerging Countries  |                     | 31.2%                  | 5.1%              | 40.9%             |
| Total ACWIxUS Countries   |                     | 100.0%                 | 5.5%              | 35.7%             |

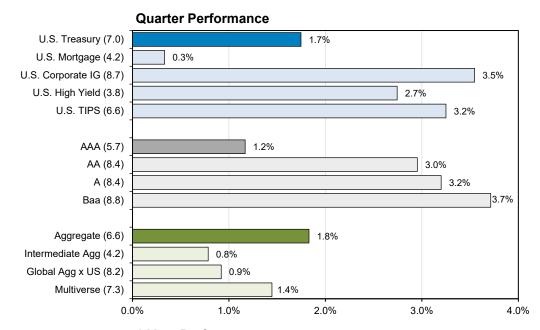
Source: Morningstar Direct, MSCI Global Index Monitor (Returns are Net in USD)

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

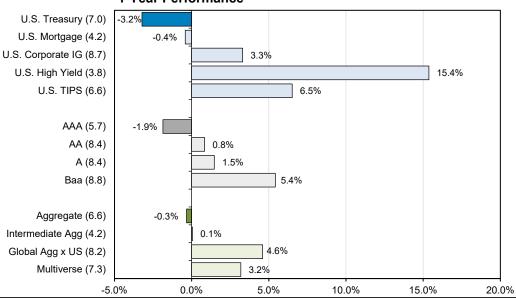


- Fixed income markets performed well during the 2nd quarter primarily due to falling US interest rates which acted as general tailwind for bond benchmark performance. The Bloomberg Barclays (BB) US Aggregate Bond Index returned a solid 1.8% for the period.
- Digging deeper into the investment grade index's segments, while each component exhibited positive performance, the US Corporate Investment Grade (3.5%) and US TIPS (3.2%) benchmark segments drove results. Although yields on issues of less than 2-years remained stable during the quarter, yields on longer-dated issues declined substantially over concerns of future economic growth.
- Outside of domestic markets, the BB Global Aggregate ex US Index posted a 0.9% return for the quarter. Like international stocks, global bonds were negatively impacted by the strengthening USD.

- Over the trailing 1-year period, domestic bond performance was slightly negative while global bonds posted solid, positive results. The BB Global Aggregate ex US Index return of 4.6% easily outpaced the domestic BB US Aggregate Index's return of -0.3%. A steepening yield curve, combined with a falling USD, were the primary contributors to the relative outperformance of global bonds for the year.
- The dispersion of returns for the year within bond market segments was significant and was led by the US High Yield Index's return of 15.4%. The combination of a lower average duration and a greater sensitivity to equity market movements were the primary performance catalysts. US TIPS also performed well for the year with the index returning 6.5%. Persistent concerns about rising inflation acted like a tailwind for TIPS issues.



#### 1-Year Performance

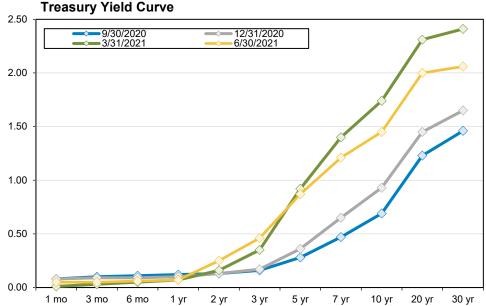


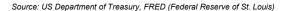
Source: Bloomberg



- The gray band across the graph illustrates the range of the Fed Funds Rate. Over the past year, the Fed's target rate range has remained unchanged at 0.00% to 0.25%. During its June meeting, the Federal Open Market Committee (FOMC) reiterated its commitment to keeping interest rates near zero while also maintaining its asset purchase program aimed at supplying the market with ample liquidity.
- The yield on the US 10-year Treasury (green line) began increasing rapidly as the economy slowly began to open earlier this year. After reaching a high of 1.74% during the 1st quarter of 2021, interest rates in the US began to fall as concerns about future economic growth increased.
- The blue line illustrates changes in the BAA OAS (Option Adjusted Spread). This measure quantifies the additional yield premium that investors require to purchase and hold non-Treasury investment grade issues. The narrowing spread the line illustrates indicates investors remain comfortable owning credit as the probability of corporate defaults remains low. While nearly triple the BAA OAS, the High Yield OAS shows a similar willingness by investors to hold non-Treasury debt.
- The lower graph provides a snapshot of the US Treasury yield curve at the end of each of the last four quarters. Beginning in the 3rd quarter of 2020, longer-term interest rates began to move higher as investors' optimism improved. This trend continued through the 1st quarter as economic growth surprised to the upside. Since then, longer-term US interest rates have fallen.









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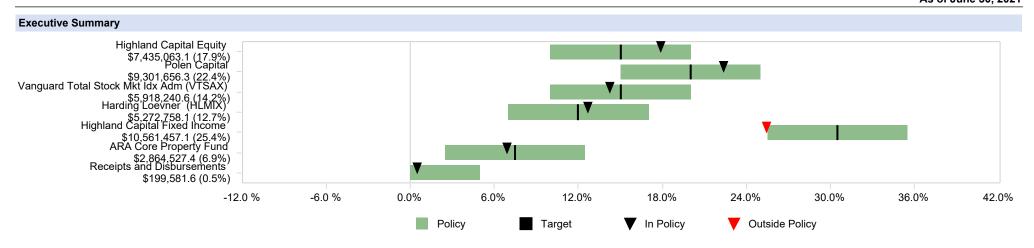


| Total Fund Compliance:  | Yes | No |
|---|-----|----|
| The total plan (Net) return equaled or exceeded the total plan benchmark over the trailing three year period. |     | •  |
| The total plan (Net) return equaled or exceeded the total plan benchmark over the trailing five year period.  |     | •  |
| The three year return ranks in the top 50% of its peers.  | •   |    |
| The five year return ranks in the top 50% of its peers.   | •   |    |
| The three year standard deviation is less than the total fund benchmark's standard deviation.                 |     | •  |

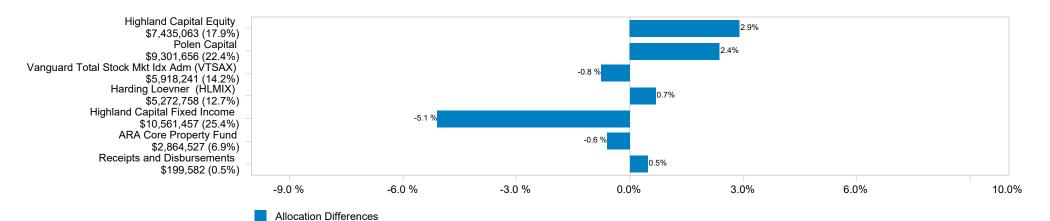
| Equity Compliance:  | Yes | No  |
|---|-----|-----|
| The total equity (Net) return equaled or exceeded the benchmark over the trailing three year period.                    |     | •   |
| The total equity (Net) return equaled or exceeded the benchmark over the trailing five year period.                     |     | •   |
| The three year return ranks in the top 40% of its peers.  |     | N/A |
| The five year return ranks in the top 40% of its peers.   |     | N/A |
| The amount invested in each issuing company is less than or equal to 5% of the Fund's equity portfolio at market.       | •   |     |
| The aggregate investment in any one company is less than or equal to 5% of the outstanding shares of the company.       | •   |     |
| The amount invested in common stocks and convertible bonds is less than or equal to 70% of the total fund market value. | •   |     |

| Fixed Income Compliance:   | Yes | No |
|--|-----|----|
| The total fixed income (Gross) return equaled or exceed the benchmark over the trailing three year period. | •   |    |
| The total fixed income (Gross) return equaled or exceed the benchmark over the trailing five year period.  | •   |    |
| The three year return ranks in the top 40% of its peers.   | •   |    |
| The five year return ranks in the top 40% of its peers.  |     | •  |
| All fixed income securities ranked at least BBB by Standard & Poors or Baa by Moody's.                     | •   |    |

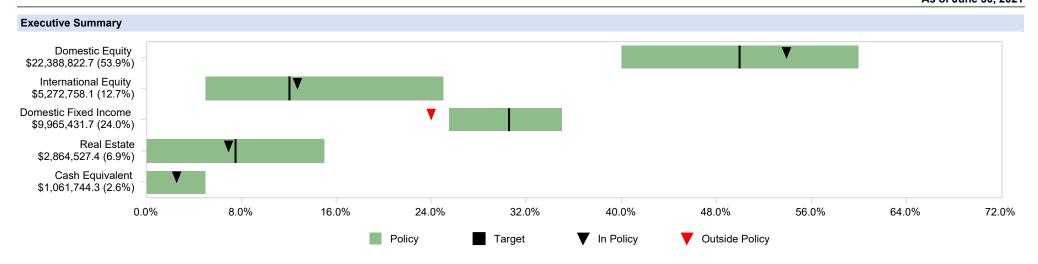




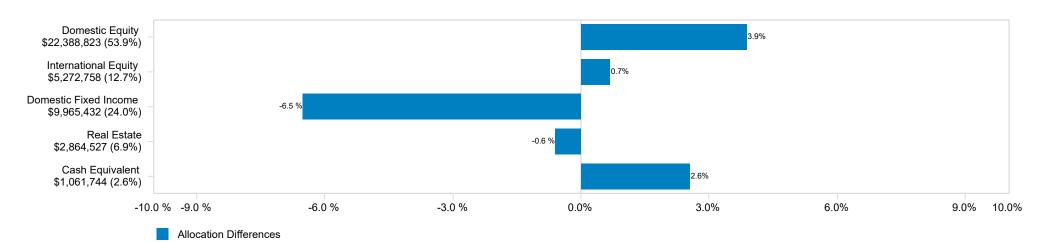
#### **Asset Allocation Compliance** Asset Current **Target Differences** Target Rebal. Allocation (\$000) Allocation (%) Allocation (%) (%) **Total Fund Composite** 41,553,284 100.0 100.0 0.0 **Highland Capital Equity** 17.9 15.0 2.9 7,435,063 -1,202,070 Polen Capital 9,301,656 22.4 20.0 2.4 -990,999 Vanguard Total Stock Mkt Idx Adm (VTSAX) 5,918,241 14.2 15.0 -0.8 314,752 12.7 12.0 0.7 -286,364 Harding Loevner (HLMIX) 5,272,758 Highland Capital Fixed Income 10,561,457 25.4 30.5 -5.1 2,112,295 ARA Core Property Fund 2,864,527 7.5 -0.6 251,969 6.9 0.0 Receipts and Disbursements 199,582 0.5 0.5 -199,582







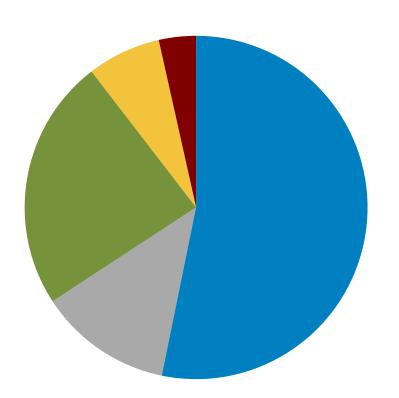
|                       | Asset            | _                         | _                     |                    |                          |
|-----------------------|------------------|---------------------------|-----------------------|--------------------|--------------------------|
|                       | Allocation<br>\$ | Current<br>Allocation (%) | Target Allocation (%) | Differences<br>(%) | Target Rebal.<br>(\$000) |
| Domestic Equity       | 22,388,823       | 53.9                      | 50.0                  | 3.9                | -1,612,181               |
| nternational Equity   | 5,272,758        | 12.7                      | 12.0                  | 0.7                | -286,364                 |
| Domestic Fixed Income | 9,965,432        | 24.0                      | 30.5                  | -6.5               | 2,708,320                |
| Real Estate           | 2,864,527        | 6.9                       | 7.5                   | -0.6               | 251,969                  |
| Cash Equivalent       | 1,061,744        | 2.6                       | 0.0                   | 2.6                | -1,061,744               |
| Total Fund            | 41,553,284       | 100.0                     | 100.0                 | 0.0                | _                        |

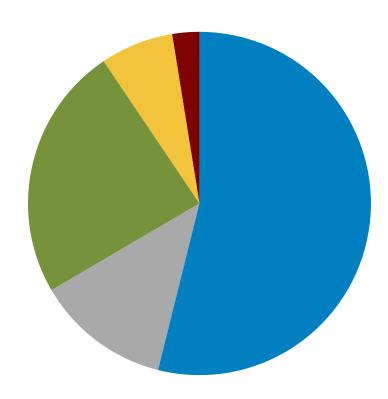




Asset Allocation By Segment as of March 31, 2021 : \$39,764,008

Asset Allocation By Segment as of June 30, 2021 : \$41,553,284



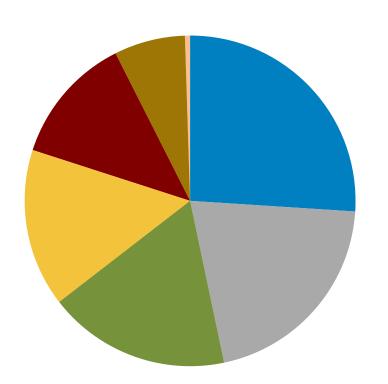


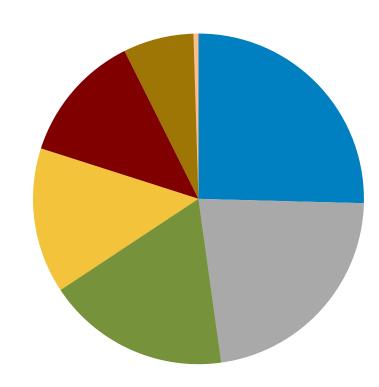
| ocation                 |              |            | Allocation            |              |            |
|-------------------------|--------------|------------|-----------------------|--------------|------------|
| Segments                | Market Value | Allocation | Segments              | Market Value | Allocation |
| ■ Domestic Equity       | 21,156,823   | 53.2       | ■ Domestic Equity     | 22,388,823   | 53.9       |
| International Equity    | 5,002,226    | 12.6       | International Equity  | 5,272,758    | 12.7       |
| ■ Domestic Fixed Income | 9,450,332    | 23.8       | Domestic Fixed Income | 9,965,432    | 24.0       |
| Real Estate             | 2,761,133    | 6.9        | Real Estate           | 2,864,527    | 6.9        |
| ■ Cash Equivalent       | 1,393,494    | 3.5        | ■ Cash Equivalent     | 1,061,744    | 2.6        |



Asset Allocation By Manager as of March 31, 2021 : \$39,764,008

Asset Allocation By Manager as of June 30, 2021 : \$41,553,284





| ocation                                  |              |            | Allocation                               |              |            |
|--|--------------|------------|--|--------------|------------|
|  | Market Value | Allocation |  | Market Value | Allocation |
| ■ Highland Capital Fixed Income          | 10,347,234   | 26.0       | ■ Highland Capital Fixed Income          | 10,561,457   | 25.4       |
| ■ Polen Capital                          | 8,223,030    | 20.7       | ■ Polen Capital                          | 9,301,656    | 22.4       |
| ■ Highland Capital Equity                | 7,088,778    | 17.8       | ■ Highland Capital Equity                | 7,435,063    | 17.9       |
| Vanguard Total Stock Mkt Idx Adm (VTSAX) | 6,143,728    | 15.5       | Vanguard Total Stock Mkt Idx Adm (VTSAX) | 5,918,241    | 14.2       |
| ■ Harding Loevner (HLMIX)                | 5,002,226    | 12.6       | ■ Harding Loevner (HLMIX)                | 5,272,758    | 12.7       |
| ■ ARA Core Property Fund                 | 2,761,133    | 6.9        | ARA Core Property Fund                   | 2,864,527    | 6.9        |
| Receipts and Disbursements               | 197,879      | 0.5        | Receipts and Disbursements               | 199,582      | 0.5        |



|  | Allocati              | on    |  |   |   | Performance(%)                                  |   |   |   |
|--|-----------------------|-------|--|---|---|---|---|---|---|
|  | Market<br>Value<br>\$ | %     | QTR  | FYTD  | 1 YR  | 3 YR  | 5 YR  | 7 YR  | 10 YR   |
| Total Fund Composite   | 41,553,284            | 100.0 | 6.46 (4)                                   | 20.11 (54)                                      | 26.99 (52)                                      | 14.51 (3)                                       | 13.25 (3)                                       | 11.24 (1)                                     | 10.73 (1)                                       |
| Total Fund Policy Index<br>All Public Plans-Total Fund Median  |                       |       | 5.99 (21)<br>5.44                          | 17.58 (83)<br>20.32                             | 23.85 (86)<br>27.15                             | 14.66 (2)<br>12.31                              | 13.08 (4)<br>11.44                              | 10.71 (1)<br>8.59                             | 11.00 (1)<br>8.82                               |
| Total Equity Composite   | 27,661,581            | 66.6  | 8.54                                       | 30.76   | 41.80   | 19.60   | 18.91   | 15.41   | 14.91   |
| Total Equity Index   |                       |       | 7.95                                       | 28.81   | 42.06   | 19.88   | 18.94   | 14.62   | 15.21   |
| Highland Capital Equity Russell 1000 Value Index S&P 500 Index IM U.S. Large Cap Value Equity (SA+CF) Median | 7,435,063             | 17.9  | 5.00 (72)<br>5.21 (65)<br>8.55 (9)<br>5.86 | 38.73 (47)<br>36.07 (56)<br>29.25 (82)<br>37.64 | 45.29 (52)<br>43.68 (58)<br>40.79 (73)<br>45.69 | 12.02 (73)<br>12.42 (64)<br>18.67 (14)<br>13.64 | 12.80 (65)<br>11.87 (81)<br>17.65 (13)<br>13.56 | 10.67 (47)<br>9.41 (74)<br>14.10 (9)<br>10.44 | 12.07 (59)<br>11.61 (72)<br>14.84 (11)<br>12.47 |
| Polen Capital<br>Russell 1000 Growth Index<br>IM U.S. Large Cap Growth Equity (SA+CF) Median                 | 9,301,656             | 22.4  | 13.27 (12)<br>11.93 (30)<br>10.87          | 27.07 (42)<br>25.86 (60)<br>26.47               | 39.79 (61)<br>42.50 (36)<br>40.81               | 27.84 (9)<br>25.14 (32)<br>23.53                | 25.75 (15)<br>23.66 (37)<br>22.24               | 21.80 (4)<br>18.56 (33)<br>17.48              | N/A<br>17.87 (26)<br>16.95                      |
| Vanguard Total Stock Mkt Idx Adm (VTSAX)<br>Russell 3000 Index<br>IM U.S. Multi-Cap Core Equity (MF) Median  | 5,918,241             | 14.2  | 8.28 (29)<br>8.24 (31)<br>7.52             | 32.16 (39)<br>32.01 (41)<br>30.74               | 44.33 (32)<br>44.16 (35)<br>41.75               | N/A<br>18.73 (18)<br>15.83                      | N/A<br>17.89 (18)<br>15.76                      | N/A<br>13.95 (8)<br>11.68                     | N/A<br>14.70 (9)<br>12.83                       |
| Harding Loevner (HLMIX)  MSCI EAFE Index IM International Equity (MF) Median                                 | 5,272,758             | 12.7  | 5.41 (48)<br>5.38 (48)<br>5.32             | 23.44 (73)<br>26.74 (54)<br>27.26               | 34.10 (66)<br>32.92 (72)<br>36.99               | 11.43 (35)<br>8.77 (62)<br>9.82                 | 12.71 (31)<br>10.79 (57)<br>11.16               | N/A<br>5.45 (59)<br>5.86                      | N/A<br>6.38 (40)<br>5.84                        |
| Total Fixed Income   |                       |       |  |   |   |   |   |   |   |
| Highland Capital Fixed Income Blmbg. Barc. U.S. Gov't/Credit IM U.S. Broad Market Gov./Corp. (SA+CF) Median  | 10,561,457            | 25.4  | 2.16 (62)<br>2.42 (46)<br>2.35             | 1.55 (8)<br>-1.16 (78)<br>-0.84                 | 2.99 (9)<br>-0.39 (83)<br>0.53                  | 6.21 (39)<br>5.95 (61)<br>6.09                  | 3.73 (43)<br>3.31 (84)<br>3.63                  | 3.90 (48)<br>3.56 (92)<br>3.87                | 3.86 (81)<br>3.71 (95)<br>4.12                  |
| Total Real Estate Composite  |                       |       |  |   |   |   |   |   |   |
| ARA Core Property Fund Real Estate Policy IM U.S. Open End Private Real Estate (SA+CF) Median                | 2,864,527             | 6.9   | 4.03 (50)<br>4.39 (40)<br>4.03             | 7.47 (61)<br>8.22 (44)<br>7.76                  | 7.33 (73)<br>8.84 (42)<br>8.50                  | 6.03 (62)<br>5.79 (64)<br>6.44                  | 6.74 (59)<br>6.73 (60)<br>7.19                  | 8.30 (71)<br>8.52 (62)<br>8.87                | N/A<br>9.68 (63)<br>10.05                       |



|  | Allocati              | on    |       |       |       | Performance(% | )     |       |       |
|--|-----------------------|-------|-------|-------|-------|---------------|-------|-------|-------|
|  | Market<br>Value<br>\$ | %     | QTR   | FYTD  | 1 YR  | 3 YR          | 5 YR  | 7 YR  | 10 YR |
| Total Fund Composite                     | 41,553,284            | 100.0 | 6.38  | 19.82 | 26.63 | 14.02         | 12.73 | 10.71 | 10.19 |
| Total Fund Policy Index                  |                       |       | 5.99  | 17.58 | 23.85 | 14.66         | 13.08 | 10.71 | 11.00 |
| Total Equity Composite                   | 27,661,581            | 66.6  | 8.54  | 30.76 | 41.80 | 19.60         | 18.91 | 15.41 | 14.91 |
| Total Equity Index                       |                       |       | 7.95  | 28.81 | 42.06 | 19.88         | 18.94 | 14.62 | 15.21 |
| Highland Capital Equity                  | 7,435,063             | 17.9  | 4.90  | 38.30 | 44.84 | 11.59         | N/A   | N/A   | N/A   |
| Russell 1000 Value Index                 |                       |       | 5.21  | 36.07 | 43.68 | 12.42         | 11.87 | 9.41  | 11.61 |
| S&P 500 Index                            |                       |       | 8.55  | 29.25 | 40.79 | 18.67         | 17.65 | 14.10 | 14.84 |
| Polen Capital                            | 9,301,656             | 22.4  | 13.13 | 26.56 | 39.06 | 27.14         | 25.07 | 21.14 | N/A   |
| Russell 1000 Growth Index                |                       |       | 11.93 | 25.86 | 42.50 | 25.14         | 23.66 | 18.56 | 17.87 |
| Vanguard Total Stock Mkt ldx Adm (VTSAX) | 5,918,241             | 14.2  | 8.28  | 32.16 | 44.33 | N/A           | N/A   | N/A   | N/A   |
| Russell 3000 Index                       |                       |       | 8.24  | 32.01 | 44.16 | 18.73         | 17.89 | 13.95 | 14.70 |
| Harding Loevner (HLMIX)                  | 5,272,758             | 12.7  | 5.41  | 23.44 | 34.10 | 11.43         | 12.71 | N/A   | N/A   |
| MSCI EAFE Index                          |                       |       | 5.38  | 26.74 | 32.92 | 8.77          | 10.79 | 5.45  | 6.38  |
| Total Fixed Income                       |                       |       |       |       |       |               |       |       |       |
| Highland Capital Fixed Income            | 10,561,457            | 25.4  | 2.10  | 1.37  | 2.81  | 5.75          | N/A   | N/A   | N/A   |
| Blmbg. Barc. U.S. Gov't/Credit           |                       |       | 2.42  | -1.16 | -0.39 | 5.95          | 3.31  | 3.56  | 3.71  |
| Total Real Estate Composite              |                       |       |       |       |       |               |       |       |       |
| ARA Core Property Fund                   | 2,864,527             | 6.9   | 3.74  | 6.59  | 6.15  | 4.87          | 5.57  | 7.15  | N/A   |
| Real Estate Policy                       |                       |       | 4.39  | 8.22  | 8.84  | 5.79          | 6.73  | 8.52  | 9.68  |



|   | Allocati              | on    |            |                            |                            | Performance(%)             | )                          |                            |                            |
|---|-----------------------|-------|------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
|   | Market<br>Value<br>\$ | %     | FYTD       | Oct-2019<br>To<br>Sep-2020 | Oct-2018<br>To<br>Sep-2019 | Oct-2017<br>To<br>Sep-2018 | Oct-2016<br>To<br>Sep-2017 | Oct-2015<br>To<br>Sep-2016 | Oct-2014<br>To<br>Sep-2015 |
| Total Fund Composite                                | 41,553,284            | 100.0 | 20.11 (54) | 11.97 (11)                 | 6.39 (5)                   | 12.25 (4)                  | 12.53 (36)                 | 10.73 (14)                 | 4.90 (1)                   |
| Total Fund Policy Index                             |                       |       | 17.58 (83) | 15.43 (2)                  | 6.21 (7)                   | 10.91 (12)                 | 12.25 (42)                 | 10.78 (13)                 | 1.66 (8)                   |
| All Public Plans-Total Fund Median                  |                       |       | 20.32      | 9.31                       | 4.06                       | 8.36                       | 11.91                      | 9.13                       | -0.49                      |
| Balanced Fund                                       |                       |       |            |                            |                            |                            |                            |                            |                            |
| Highland Capital Balanced                           | -                     | 0.0   | N/A        | N/A                        | N/A                        | N/A                        | 8.48 (78)                  | 9.81 (54)                  | 2.01 (11)                  |
| Highland Policy Index                               |                       |       | 11.76 (91) | 11.87 (31)                 | 8.58 (14)                  | 7.36 (62)                  | 8.62 (78)                  | 10.57 (45)                 | 1.29 (16)                  |
| IM U.S. Balanced (SA+CF) Median                     |                       |       | 23.76      | 8.50                       | 4.72                       | 8.11                       | 11.79                      | 10.12                      | -1.80                      |
| Total Equity Composite                              | 27,661,581            | 66.6  | 30.76      | 17.05                      | 4.06                       | 19.25                      | 19.81                      | 13.46                      | 5.41                       |
| Total Equity Index                                  |                       |       | 28.81      | 21.18                      | 3.08                       | 18.00                      | 19.94                      | 13.47                      | -0.66                      |
| Highland Capital Equity                             | 7,435,063             | 17.9  | 38.73 (47) | -6.66 (73)                 | 2.34 (51)                  | 12.66 (46)                 | 18.59 (42)                 | 14.71 (40)                 | 1.04 (13)                  |
| Russell 1000 Value Index                            | ,,                    |       | 36.07 (56) | -5.03 (65)                 | 4.00 (39)                  | 9.45 (78)                  | 15.12 (76)                 | 16.19 (26)                 | -4.42 (65)                 |
| S&P 500 Index                                       |                       |       | 29.25 (82) | 15.15 (7)                  | 4.25 (37)                  | 17.91 (8)                  | 18.61 (42)                 | 15.43 (32)                 | -0.61 (26)                 |
| IM U.S. Large Cap Value Equity (SA+CF) Median       |                       |       | 37.64      | -3.27                      | 2.41                       | 11.83                      | 17.89                      | 13.61                      | -3.28                      |
| Polen Capital                                       | 9,301,656             | 22.4  | 27.07 (42) | 35.22 (40)                 | 9.99 (11)                  | 31.18 (13)                 | 20.81 (51)                 | 10.63 (64)                 | 18.10 (1)                  |
| Russell 1000 Growth Index                           |                       |       | 25.86 (60) | 37.53 (29)                 | 3.71 (52)                  | 26.30 (36)                 | 21.94 (38)                 | 13.76 (23)                 | 3.17 (55)                  |
| IM U.S. Large Cap Growth Equity (SA+CF) Median      |                       |       | 26.47      | 33.30                      | 3.81                       | 24.44                      | 20.83                      | 11.72                      | 3.61                       |
| Vanguard Total Stock Mkt Idx Adm (VTSAX)            | 5,918,241             | 14.2  | 32.16 (39) | N/A                        | N/A                        | N/A                        | N/A                        | N/A                        | N/A                        |
| Russell 3000 Index                                  |                       |       | 32.01 (41) | 15.00 (22)                 | 2.92 (37)                  | 17.58 (19)                 | 18.71 (36)                 | 14.96 (17)                 | -0.49 (33)                 |
| IM U.S. Multi-Cap Core Equity (MF) Median           |                       |       | 30.74      | 10.21                      | 1.47                       | 14.71                      | 17.56                      | 11.62                      | -1.80                      |
| Harding Loevner (HLMIX)                             | 5,272,758             | 12.7  | 23.44 (73) | 14.04 (29)                 | -3.34 (62)                 | 5.85 (10)                  | 18.66 (57)                 | 17.62 (13)                 | -9.04 (52)                 |
| MSCI EAFE Index                                     |                       |       | 26.74 (54) | 0.93 (69)                  | -0.82 (41)                 | 3.25 (21)                  | 19.65 (48)                 | 7.06 (65)                  | -8.27 (47)                 |
| IM International Equity (MF) Median                 |                       |       | 27.26      | 6.64                       | -1.93                      | 0.08                       | 19.37                      | 9.32                       | -8.75                      |
| Total Fixed Income                                  |                       |       |            |                            |                            |                            |                            |                            |                            |
| Highland Capital Fixed Income                       | 10,561,457            | 25.4  | 1.55 (8)   | 6.80 (80)                  | 10.23 (62)                 | -1.01 (76)                 | 0.62 (41)                  | 6.73 (24)                  | 2.80 (68)                  |
| Blmbg. Barc. U.S. Gov't/Credit                      |                       |       | -1.16 (78) | 8.03 (63)                  | 11.32 (33)                 | -1.37 (100)                | -0.01 (94)                 | 5.86 (61)                  | 2.73 (73)                  |
| IM U.S. Broad Market Gov./Corp. (SA+CF) Median      |                       |       | -0.84      | 8.20                       | 10.61                      | -0.83                      | 0.50                       | 5.95                       | 3.11                       |
| Total Real Estate Composite                         |                       |       |            |                            |                            |                            |                            |                            |                            |
| ARA Core Property Fund                              | 2,864,527             | 6.9   | 7.47 (61)  | 1.62 (63)                  | 6.81 (52)                  | 8.50 (65)                  | 7.52 (63)                  | 9.05 (94)                  | 13.97 (68)                 |
| Real Estate Policy                                  |                       |       | 8.22 (44)  | 1.49 (67)                  | 5.59 (77)                  | 8.68 (62)                  | 7.66 (59)                  | 10.08 (81)                 | 14.93 (60)                 |
| IM U.S. Open End Private Real Estate (SA+CF) Median |                       |       | 7.76       | 1.78                       | 6.89                       | 9.04                       | 8.05                       | 11.32                      | 15.45                      |

Historical returns prior to 07/01/2018 for Highland Capital Equity and Fixed Income do not include cash.

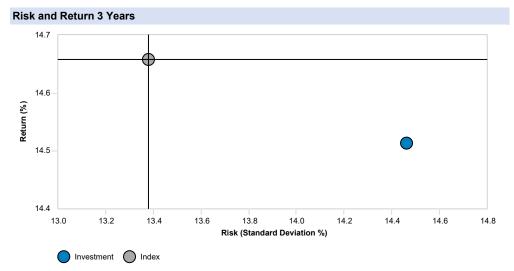


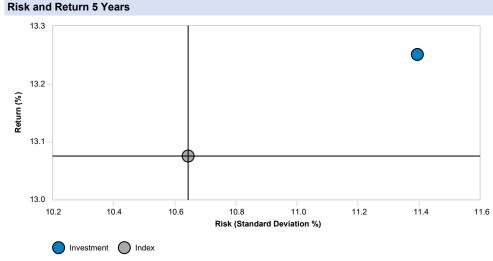
|  | Allocation            | on    |       |                            |                            | Performance(%)             |                            |                            |                            |
|--|-----------------------|-------|-------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
|  | Market<br>Value<br>\$ | %     | FYTD  | Oct-2019<br>To<br>Sep-2020 | Oct-2018<br>To<br>Sep-2019 | Oct-2017<br>To<br>Sep-2018 | Oct-2016<br>To<br>Sep-2017 | Oct-2015<br>To<br>Sep-2016 | Oct-2014<br>To<br>Sep-2015 |
| Total Fund Composite                     | 41,553,284            | 100.0 | 19.82 | 11.51                      | 5.85                       | 11.70                      | 11.94                      | 10.05                      | 4.53                       |
| Total Fund Policy Index                  |                       |       | 17.58 | 15.43                      | 6.21                       | 10.91                      | 12.25                      | 10.78                      | 1.66                       |
| Balanced Fund                            |                       |       |       |                            |                            |                            |                            |                            |                            |
| Highland Capital Balanced                | -                     | 0.0   | N/A   | N/A                        | N/A                        | N/A                        | 7.90                       | 9.10                       | 1.76                       |
| Highland Policy Index                    |                       |       | 11.76 | 11.87                      | 8.58                       | 7.36                       | 8.62                       | 10.57                      | 1.29                       |
| Total Equity Composite                   | 27,661,581            | 66.6  | 30.76 | 17.05                      | 4.06                       | 19.25                      | 19.81                      | 13.46                      | 5.41                       |
| Total Equity Index                       | , ,                   |       | 28.81 | 21.18                      | 3.08                       | 18.00                      | 19.94                      | 13.47                      | -0.66                      |
| Highland Capital Equity                  | 7,435,063             | 17.9  | 38.30 | -6.88                      | 1.84                       | N/A                        | N/A                        | N/A                        | N/A                        |
| Russell 1000 Value Index                 |                       |       | 36.07 | -5.03                      | 4.00                       | 9.45                       | 15.12                      | 16.19                      | -4.42                      |
| S&P 500 Index                            |                       |       | 29.25 | 15.15                      | 4.25                       | 17.91                      | 18.61                      | 15.43                      | -0.61                      |
| Polen Capital                            | 9,301,656             | 22.4  | 26.56 | 34.50                      | 9.37                       | 30.48                      | 20.17                      | 10.01                      | 17.47                      |
| Russell 1000 Growth Index                |                       |       | 25.86 | 37.53                      | 3.71                       | 26.30                      | 21.94                      | 13.76                      | 3.17                       |
| Vanguard Total Stock Mkt ldx Adm (VTSAX) | 5,918,241             | 14.2  | 32.16 | N/A                        | N/A                        | N/A                        | N/A                        | N/A                        | N/A                        |
| Russell 3000 Index                       |                       |       | 32.01 | 15.00                      | 2.92                       | 17.58                      | 18.71                      | 14.96                      | -0.49                      |
| Harding Loevner (HLMIX)                  | 5,272,758             | 12.7  | 23.44 | 14.04                      | -3.34                      | 5.85                       | 18.66                      | 17.62                      | -9.04                      |
| MSCI EAFE Index                          |                       |       | 26.74 | 0.93                       | -0.82                      | 3.25                       | 19.65                      | 7.06                       | -8.27                      |
| Total Fixed Income                       |                       |       |       |                            |                            |                            |                            |                            |                            |
| Highland Capital Fixed Income            | 10,561,457            | 25.4  | 1.37  | 6.28                       | 9.69                       | N/A                        | N/A                        | N/A                        | N/A                        |
| Blmbg. Barc. U.S. Gov't/Credit           |                       |       | -1.16 | 8.03                       | 11.32                      | -1.37                      | -0.01                      | 5.86                       | 2.73                       |
| Total Real Estate Composite              |                       |       |       |                            |                            |                            |                            |                            |                            |
| ARA Core Property Fund                   | 2,864,527             | 6.9   | 6.59  | 0.51                       | 5.64                       | 7.31                       | 6.34                       | 7.92                       | 12.83                      |
| Real Estate Policy                       |                       |       | 8.22  | 1.49                       | 5.59                       | 8.68                       | 7.66                       | 10.08                      | 14.93                      |

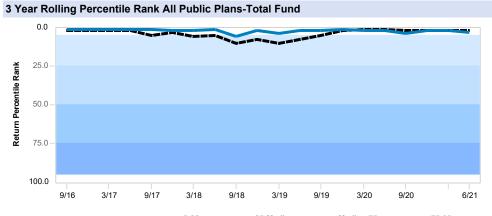


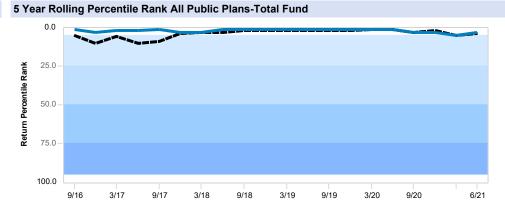
| <b>Historical Stati</b> | stics 3 Years |                       |                 |                         |                |                           |                  |
|-------------------------|---------------|-----------------------|-----------------|-------------------------|----------------|---------------------------|------------------|
|                         | Return        | Standard<br>Deviation | Sharpe<br>Ratio | Up<br>Market<br>Capture | Up<br>Quarters | Down<br>Market<br>Capture | Down<br>Quarters |
| Investment              | 14.51         | 14.46                 | 0.92            | 104.51                  | 10             | 114.85                    | 2                |
| Index                   | 14.66         | 13.38                 | 0.99            | 100.00                  | 10             | 100.00                    | 2                |

| <b>Historical Stati</b> | stics 5 Years |                       |                 |                         |                |                           |                  |
|-------------------------|---------------|-----------------------|-----------------|-------------------------|----------------|---------------------------|------------------|
|                         | Return        | Standard<br>Deviation | Sharpe<br>Ratio | Up<br>Market<br>Capture | Up<br>Quarters | Down<br>Market<br>Capture | Down<br>Quarters |
| Investment              | 13.25         | 11.39                 | 1.05            | 104.16                  | 18             | 111.86                    | 2                |
| Index                   | 13.08         | 10.64                 | 1.10            | 100.00                  | 17             | 100.00                    | 3                |





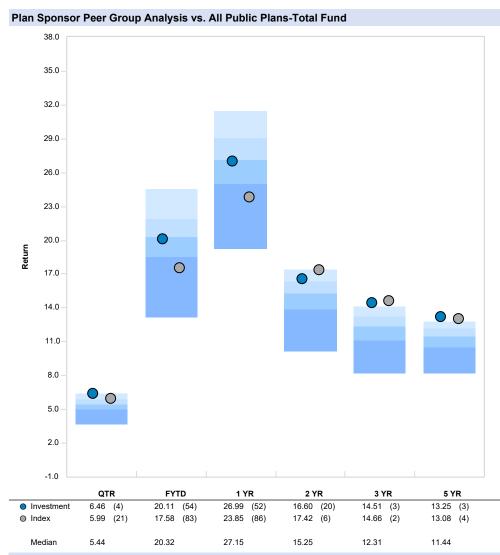


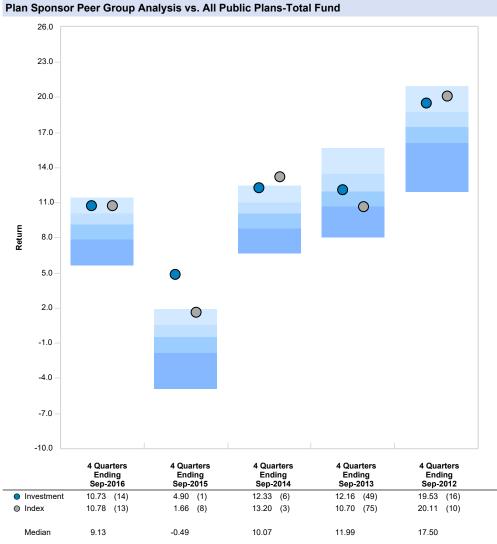


|            | Total Period | 5-25<br>Count | 25-Median<br>Count | Median-75<br>Count | 75-95<br>Count |  |
|------------|--------------|---------------|--------------------|--------------------|----------------|--|
| Investment | 20           | 20 (100%)     | 0 (0%)             | 0 (0%)             | 0 (0%)         |  |
| Index      | 20           | 20 (100%)     | 0 (0%)             | 0 (0%)             | 0 (0%)         |  |

|            | Total Period | 5-25<br>Count | 25-Median<br>Count | Median-75<br>Count | 75-95<br>Count |  |
|------------|--------------|---------------|--------------------|--------------------|----------------|--|
| Investment | 20           | 20 (100%)     | 0 (0%)             | 0 (0%)             | 0 (0%)         |  |
| Index      | 20           | 20 (100%)     | 0 (0%)             | 0 (0%)             | 0 (0%)         |  |





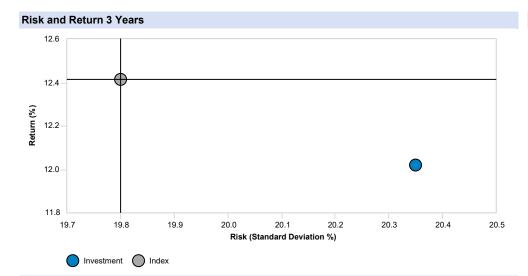


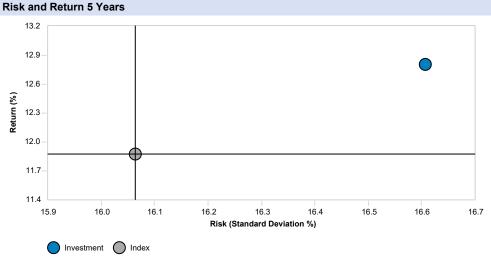
| Comparative P | erformance                  |                             |                             |                             |                             |                             |
|---------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
|               | 1 Qtr<br>Ending<br>Mar-2021 | 1 Qtr<br>Ending<br>Dec-2020 | 1 Qtr<br>Ending<br>Sep-2020 | 1 Qtr<br>Ending<br>Jun-2020 | 1 Qtr<br>Ending<br>Mar-2020 | 1 Qtr<br>Ending<br>Dec-2019 |
| Investment    | 3.31 (46)                   | 9.21 (75)                   | 5.73 (26)                   | 14.55 (16)                  | -12.84 (45)                 | 6.07 (16)                   |
| Index         | 2.38 (77)                   | 8.36 (87)                   | 5.33 (46)                   | 14.92 (10)                  | -10.05 (15)                 | 6.02 (18)                   |
| Median        | 3.20                        | 10.24                       | 5.24                        | 12.25                       | -13.20                      | 5.23                        |

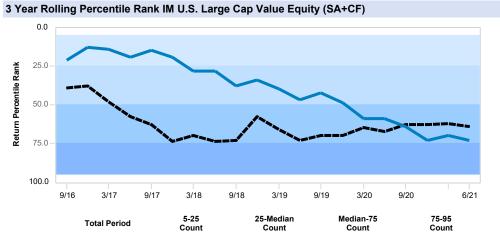


| <b>Historical Stati</b> | stics 3 Years |                       |                 |                         |                |                           |                  |
|-------------------------|---------------|-----------------------|-----------------|-------------------------|----------------|---------------------------|------------------|
|                         | Return        | Standard<br>Deviation | Sharpe<br>Ratio | Up<br>Market<br>Capture | Up<br>Quarters | Down<br>Market<br>Capture | Down<br>Quarters |
| Investment              | 12.02         | 20.35                 | 0.60            | 102.10                  | 10             | 104.80                    | 2                |
| Index                   | 12 42         | 19.80                 | 0.62            | 100.00                  | 10             | 100.00                    | 2                |

| Historical Statistics 5 Years |        |                       |                 |                         |                |                           |                  |  |  |  |
|-------------------------------|--------|-----------------------|-----------------|-------------------------|----------------|---------------------------|------------------|--|--|--|
|                               | Return | Standard<br>Deviation | Sharpe<br>Ratio | Up<br>Market<br>Capture | Up<br>Quarters | Down<br>Market<br>Capture | Down<br>Quarters |  |  |  |
| Investment                    | 12.80  | 16.61                 | 0.74            | 105.77                  | 17             | 104.38                    | 3                |  |  |  |
| Index                         | 11.87  | 16.06                 | 0.71            | 100.00                  | 17             | 100.00                    | 3                |  |  |  |







8 (40%)

3 (15%)

6 (30%)

17 (85%)

0 (0%)

0 (0%)

6 (30%)

0 (0%)



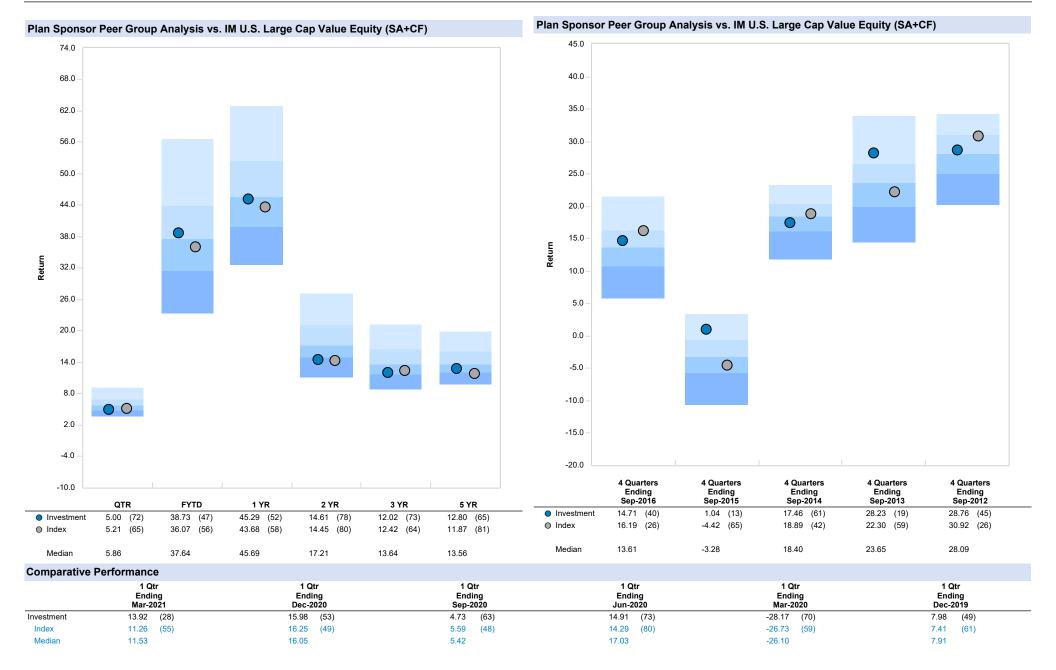
|            | Total Period | Count   | Count   | Count    | Count   |  |
|------------|--------------|---------|---------|----------|---------|--|
| Investment | 20           | 9 (45%) | 5 (25%) | 6 (30%)  | 0 (0%)  |  |
| Index      | 20           | 0 (0%)  | 3 (15%) | 13 (65%) | 4 (20%) |  |



Investment

\_\_ Index

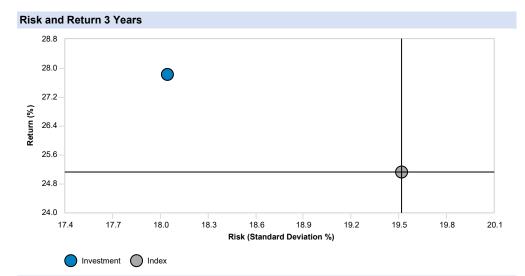
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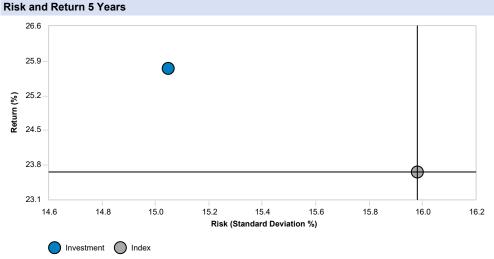


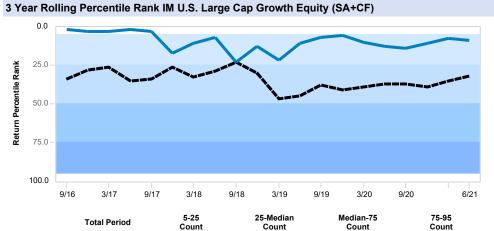


| <b>Historical Stati</b> | stics 3 Years |                       |                 |                         |                |                           |                  |
|-------------------------|---------------|-----------------------|-----------------|-------------------------|----------------|---------------------------|------------------|
|                         | Return        | Standard<br>Deviation | Sharpe<br>Ratio | Up<br>Market<br>Capture | Up<br>Quarters | Down<br>Market<br>Capture | Down<br>Quarters |
| Investment              | 27.84         | 18.05                 | 1.38            | 96.60                   | 10             | 80.68                     | 2                |
| Index                   | 25.14         | 19.52                 | 1.18            | 100.00                  | 10             | 100.00                    | 2                |

| Historical Statistics 5 Years |        |                       |                 |                         |                |                           |                  |  |  |  |  |
|-------------------------------|--------|-----------------------|-----------------|-------------------------|----------------|---------------------------|------------------|--|--|--|--|
|                               | Return | Standard<br>Deviation | Sharpe<br>Ratio | Up<br>Market<br>Capture | Up<br>Quarters | Down<br>Market<br>Capture | Down<br>Quarters |  |  |  |  |
| Investment                    | 25.75  | 15.05                 | 1.53            | 97.39                   | 17             | 79.42                     | 3                |  |  |  |  |
| Index                         | 23.66  | 15.98                 | 1.34            | 100.00                  | 18             | 100.00                    | 2                |  |  |  |  |







0 (0%)

19 (95%)

0 (0%)

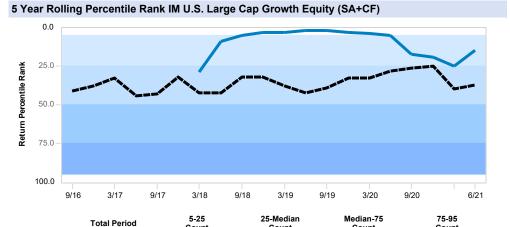
0 (0%)

0 (0%)

0 (0%)

20 (100%)

1 (5%)



Count

1 (7%)

19 (95%)

Count

0 (0%)

0 (0%)

Count

13 (93%)

1 (5%)

14

20

Investment

\_\_ Index

Count

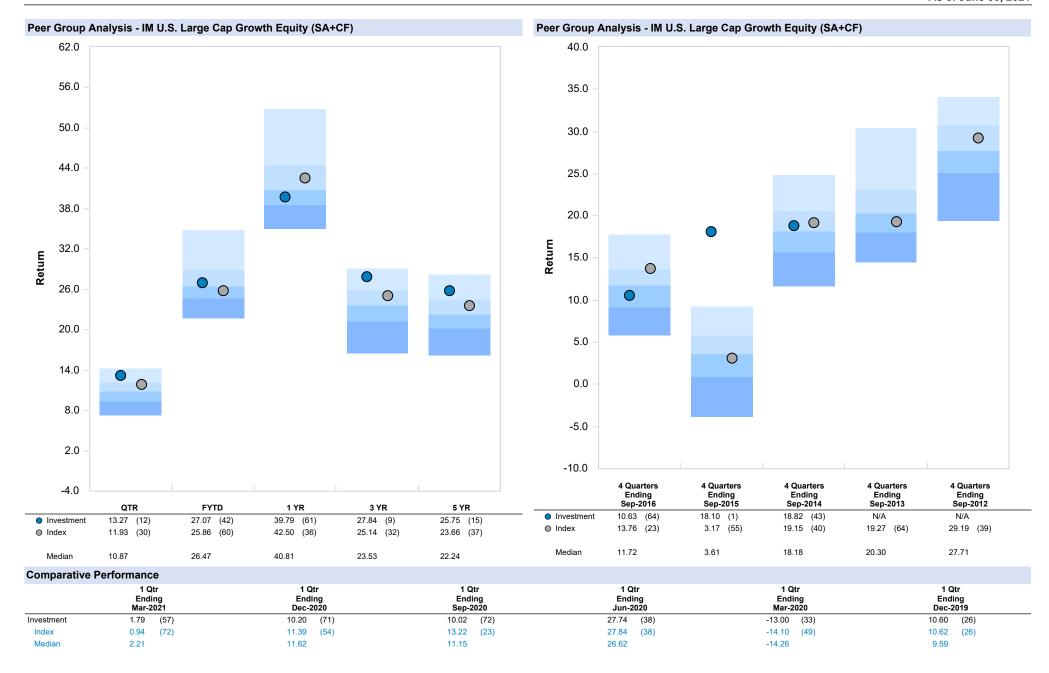
0 (0%)

0 (0%)

Investment

\_\_ Index

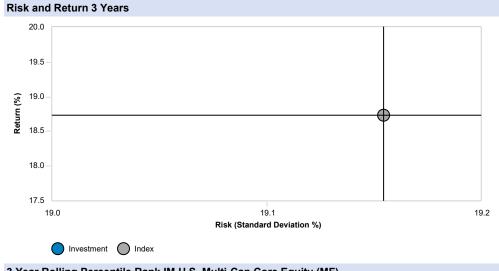
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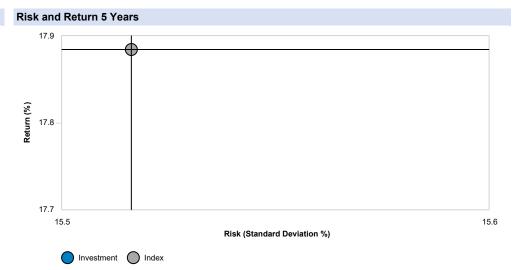


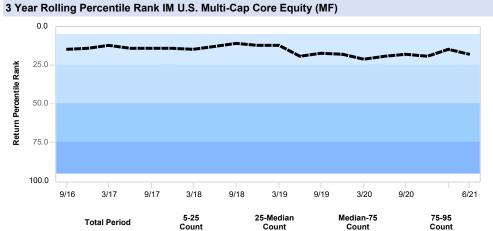


| <b>Historical Stati</b> | stics 3 Years |                       |                 |                         |                |                           |                  |
|-------------------------|---------------|-----------------------|-----------------|-------------------------|----------------|---------------------------|------------------|
|                         | Return        | Standard<br>Deviation | Sharpe<br>Ratio | Up<br>Market<br>Capture | Up<br>Quarters | Down<br>Market<br>Capture | Down<br>Quarters |
| Investment              | N/A           | N/A                   | N/A             | N/A                     | N/A            | N/A                       | N/A              |
| Index                   | 18.73         | 19.15                 | 0.92            | 100.00                  | 10             | 100.00                    | 2                |

| Historical Statistics 5 Years |        |                       |                 |                         |                |                           |                  |  |  |  |
|-------------------------------|--------|-----------------------|-----------------|-------------------------|----------------|---------------------------|------------------|--|--|--|
|                               | Return | Standard<br>Deviation | Sharpe<br>Ratio | Up<br>Market<br>Capture | Up<br>Quarters | Down<br>Market<br>Capture | Down<br>Quarters |  |  |  |
| Investment                    | N/A    | N/A                   | N/A             | N/A                     | N/A            | N/A                       | N/A              |  |  |  |
| Index                         | 17.89  | 15.52                 | 1.06            | 100.00                  | 17             | 100.00                    | 3                |  |  |  |





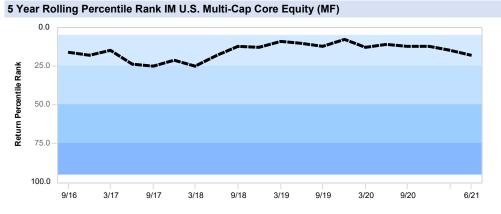


0 (0%)

0 (0%)

0 (0%)

20 (100%)



|            | Total Period | 5-25<br>Count | 25-Median<br>Count | Median-75<br>Count | 75-95<br>Count |
|------------|--------------|---------------|--------------------|--------------------|----------------|
| Investment | 0            | 0             | 0                  | 0                  | 0              |
| Index      | 20           | 20 (100%)     | 0 (0%)             | 0 (0%)             | 0 (0%)         |



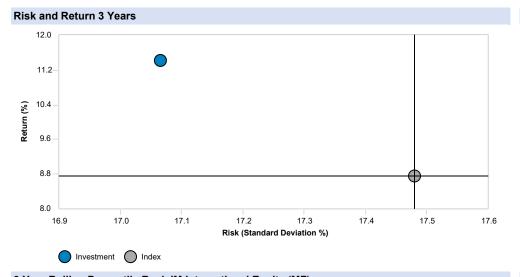
Investment

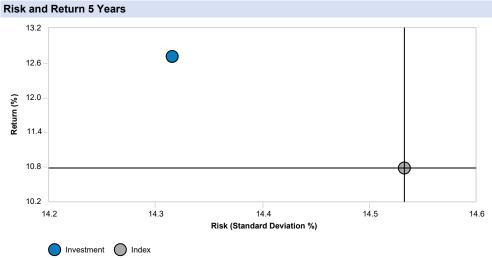




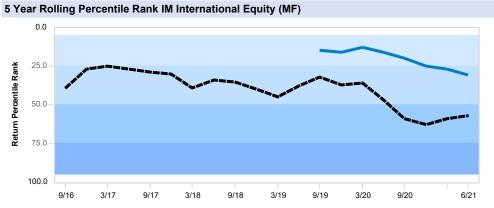
| Historical Stati | stics 3 Years |                       |                 |                         |                |                           |                  |
|------------------|---------------|-----------------------|-----------------|-------------------------|----------------|---------------------------|------------------|
|                  | Return        | Standard<br>Deviation | Sharpe<br>Ratio | Up<br>Market<br>Capture | Up<br>Quarters | Down<br>Market<br>Capture | Down<br>Quarters |
| Investment       | 11.43         | 17.07                 | 0.64            | 103.21                  | 9              | 92.28                     | 3                |
| Index            | 8.77          | 17.48                 | 0.49            | 100.00                  | 9              | 100.00                    | 3                |

| Historical Statistics 5 Years |        |                       |                 |                         |                |                           |                  |  |  |  |
|-------------------------------|--------|-----------------------|-----------------|-------------------------|----------------|---------------------------|------------------|--|--|--|
|                               | Return | Standard<br>Deviation | Sharpe<br>Ratio | Up<br>Market<br>Capture | Up<br>Quarters | Down<br>Market<br>Capture | Down<br>Quarters |  |  |  |
| Investment                    | 12.71  | 14.32                 | 0.83            | 102.81                  | 15             | 92.91                     | 5                |  |  |  |
| Index                         | 10.79  | 14.53                 | 0.70            | 100.00                  | 14             | 100.00                    | 6                |  |  |  |





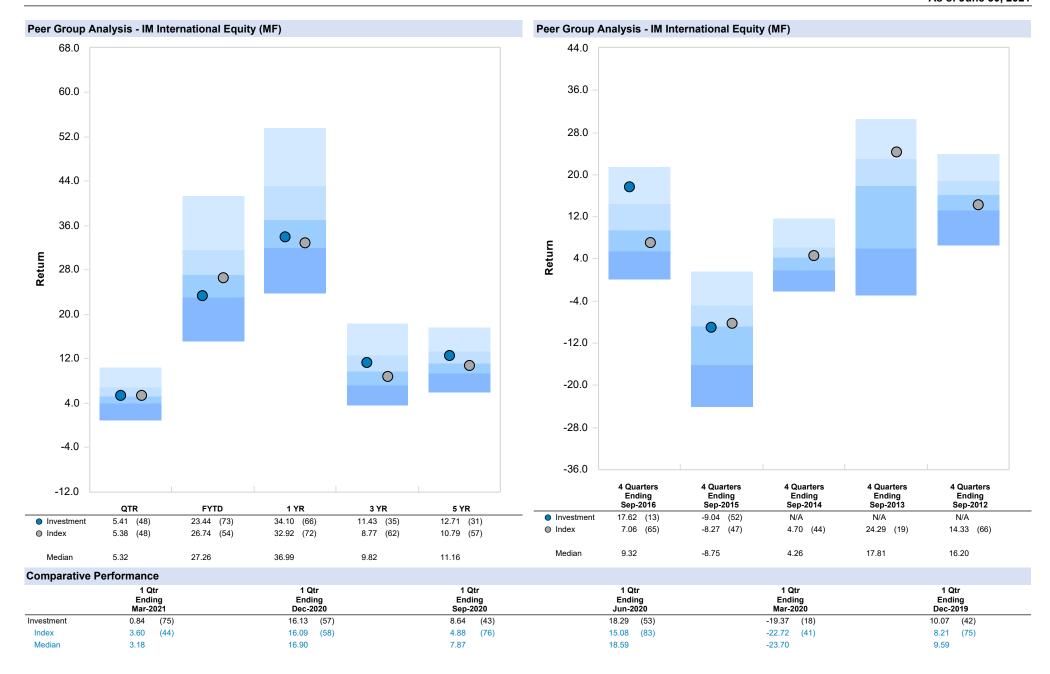




|            | Total Period | 5-25<br>Count | 25-Median<br>Count | Median-75<br>Count | 75-95<br>Count |  |
|------------|--------------|---------------|--------------------|--------------------|----------------|--|
| Investment | 16           | 8 (50%)       | 8 (50%)            | 0 (0%)             | 0 (0%)         |  |
| Index      | 20           | 1 (5%)        | 13 (65%)           | 6 (30%)            | 0 (0%)         |  |

|            | Total Period | 5-25<br>Count | 25-Median<br>Count | Median-75<br>Count | Count  |  |
|------------|--------------|---------------|--------------------|--------------------|--------|--|
| Investment | 8            | 6 (75%)       | 2 (25%)            | 0 (0%)             | 0 (0%) |  |
| Index      | 20           | 1 (5%)        | 15 (75%)           | 4 (20%)            | 0 (0%) |  |

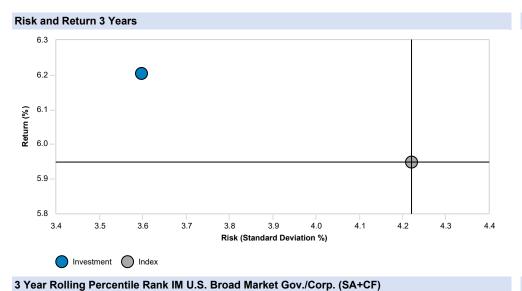






| Historical Statistics 3 Years |        |                       |                 |                         |                |                           |                  |  |  |
|-------------------------------|--------|-----------------------|-----------------|-------------------------|----------------|---------------------------|------------------|--|--|
|                               | Return | Standard<br>Deviation | Sharpe<br>Ratio | Up<br>Market<br>Capture | Up<br>Quarters | Down<br>Market<br>Capture | Down<br>Quarters |  |  |
| Investment                    | 6.21   | 3.60                  | 1.32            | 91.02                   | 11             | 68.38                     | 1                |  |  |
| Index                         | 5.95   | 4 22                  | 1.09            | 100.00                  | 10             | 100.00                    | 2                |  |  |

| <b>Historical Stati</b> | Historical Statistics 5 Years |                       |                 |                         |                |                           |                  |  |  |  |
|-------------------------|-------------------------------|-----------------------|-----------------|-------------------------|----------------|---------------------------|------------------|--|--|--|
|                         | Return                        | Standard<br>Deviation | Sharpe<br>Ratio | Up<br>Market<br>Capture | Up<br>Quarters | Down<br>Market<br>Capture | Down<br>Quarters |  |  |  |
| Investment              | 3.73                          | 3.34                  | 0.77            | 91.75                   | 17             | 73.35                     | 3                |  |  |  |
| Index                   | 3.31                          | 3.85                  | 0.57            | 100.00                  | 15             | 100.00                    | 5                |  |  |  |



#### Risk and Return 5 Years 3.6 Return (%) 3.2 3.2 3.3 3.4 3.5 3.7 3.9 3.1 3.6 3.8 4.0 Risk (Standard Deviation %) Investment Index



Count

13 (65%)

1 (5%)

Count

5 (25%)

13 (65%)

Count

2 (10%)

6 (30%)

Count

0 (0%)

20

20



|            | Total Period | 5-25<br>Count | 25-Median<br>Count | Median-75<br>Count | 75-95<br>Count |
|------------|--------------|---------------|--------------------|--------------------|----------------|
| Investment | 20           | 0 (0%)        | 4 (20%)            | 8 (40%)            | 8 (40%)        |
| Index      | 20           | 0 (0%)        | 0 (0%)             | 4 (20%)            | 16 (80%)       |



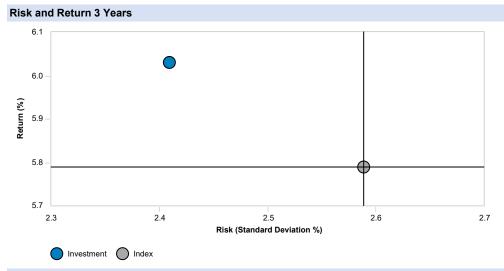
Investment

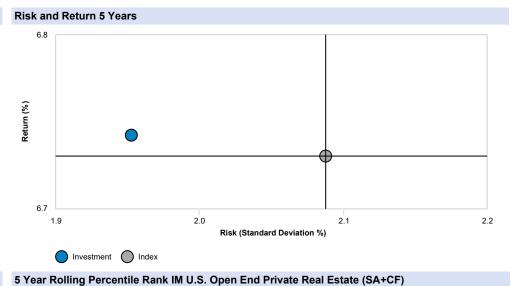


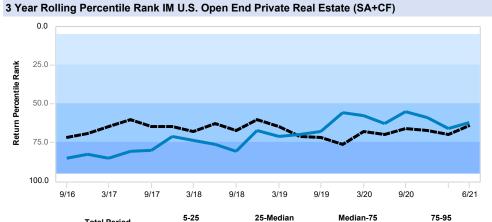


| Historical Statistics 3 Years |        |                       |                 |                         |                |                           |                  |  |  |
|-------------------------------|--------|-----------------------|-----------------|-------------------------|----------------|---------------------------|------------------|--|--|
|                               | Return | Standard<br>Deviation | Sharpe<br>Ratio | Up<br>Market<br>Capture | Up<br>Quarters | Down<br>Market<br>Capture | Down<br>Quarters |  |  |
| Investment                    | 6.03   | 2.41                  | 1.93            | 101.89                  | 10             | 79.04                     | 2                |  |  |
| landari.                      | E 70   | 2.50                  | 4.64            | 100.00                  | 4.4            | 100.00                    | 4                |  |  |

| Historical Statistics 5 Years |        |                       |                 |                         |                |                           |                  |  |  |
|-------------------------------|--------|-----------------------|-----------------|-------------------------|----------------|---------------------------|------------------|--|--|
|                               | Return | Standard<br>Deviation | Sharpe<br>Ratio | Up<br>Market<br>Capture | Up<br>Quarters | Down<br>Market<br>Capture | Down<br>Quarters |  |  |
| Investment                    | 6.74   | 1.95                  | 2.80            | 99.19                   | 18             | 79.04                     | 2                |  |  |
| Index                         | 6.73   | 2.09                  | 2.50            | 100.00                  | 19             | 100.00                    | 1                |  |  |







Count

0 (0%)

0 (0%)

Count

7 (35%)

1 (5%)

Count 13 (65%)

19 (95%)

Count

0 (0%)

0 (0%)



|            | Total Period | 5-25<br>Count | 25-Median<br>Count | Median-75<br>Count | 75-95<br>Count |  |
|------------|--------------|---------------|--------------------|--------------------|----------------|--|
| Investment | 13           | 0 (0%)        | 0 (0%)             | 8 (62%)            | 5 (38%)        |  |
| Index      | 20           | 0 (0%)        | 0 (0%)             | 19 (95%)           | 1 (5%)         |  |



Investment

\_\_ Index

**Total Period** 

20





### Miami Springs Police and Fire Fee Analysis As of June 30, 2021

|   | Estimated<br>Annual Fee<br>(%) | Market Value<br>(\$)   | Estimated<br>Annual Fee<br>(\$) | Fee Schedule                         |
|---|--------------------------------|------------------------|---------------------------------|--------------------------------------|
| Total Fund Composite  | 0.44                           | 41,553,284             | 183,889                         |                                      |
| Highland Capital Equity Polen Capital                               | 0.40<br>0.55                   | 7,435,063<br>9,301,656 | 29,740<br>51,159                | 0.40 % of Assets<br>0.55 % of Assets |
| Vanguard Total Stock Mkt ldx Adm (VTSAX)<br>Harding Loevner (HLMIX) | 0.04<br>0.81                   | 5,918,241<br>5,272,758 | 2,367<br>42,709                 | 0.04 % of Assets<br>0.81 % of Assets |
| Highland Capital Fixed Income                                       | 0.25                           | 10,561,457             | 26,404                          | 0.25 % of Assets                     |
| ARA Core Property Fund  | 1.10                           | 2,864,527              | 31,510                          | 1.10 % of Assets                     |



| Total Fund Historical Hybrid Composition         |                | Total Equity Historical Hybrid Composition      | on         |
|--|----------------|---|------------|
| Allocation Mandate                               | Weight (%)     | Allocation Mandate                              | Weight (%) |
| Jan-1973   |                | Jan-1996  |            |
| S&P 500 Index                                    | 50.00          | S&P 500 Index                                   | 100.00     |
| Blmbg. Barc. U.S. Gov't/Credit                   | 50.00          |   |            |
|  |                | Jan-2013  |            |
| Jan-2007   |                | S&P 500 Index                                   | 58.00      |
| S&P 500 Index                                    | 60.00          | Russell 1000 Growth Index                       | 42.00      |
| Blmbg. Barc. U.S. Gov't/Credit                   | 40.00          |   |            |
|  |                | Oct-2014  |            |
| Jan-2013   |                | S&P 500 Index                                   | 50.00      |
| S&P 500 Index                                    | 35.00          | Russell 1000 Growth Index                       | 33.30      |
| Russell 1000 Growth Index                        | 25.00          | MSCI EAFE Index                                 | 16.70      |
| Blmbg. Barc. U.S. Gov't/Credit                   | 40.00          | Jul-2018  |            |
| Oct 2014   |                |   | 40.00      |
| Oct-2014   | 20.00          | S&P 500 Index                                   | 40.30      |
| S&P 500 Index                                    | 30.00          | Russell 1000 Growth Index                       | 40.30      |
| Russell 1000 Growth Index                        | 20.00          | MSCI EAFE Index                                 | 19.40      |
| MSCI EAFE Index                                  | 10.00          | Sep-2020  |            |
| Blmbg. Barc. U.S. Gov't/Credit                   | 32.50          | S&P 500 Index                                   | 80.60      |
| NCREIF Fund Index-ODCE (VW)                      | 7.50           | MSCI EAFE Index                                 | 19.40      |
| Jul-2018   |                | MSCI EAFE INDEX                                 | 19.40      |
| S&P 500 Index                                    | 25.00          |   |            |
| Russell 1000 Growth Index                        | 25.00          |   |            |
|  |                |   |            |
| MSCI EAFE Index Blmbg. Barc. U.S. Gov't/Credit   | 12.00<br>30.50 | <b>Highland Capital Historical Hybrid Compo</b> |            |
| •  |                | Allocation Mandate                              | Weight (%) |
| NCREIF Fund Index-ODCE (VW)                      | 7.50           | Jan-1973  |            |
| Sep-2020   |                | S&P 500 Index                                   | 50.00      |
| S&P 500 Index                                    | 50.00          | Blmbg. Barc. U.S. Gov't/Credit                  | 50.00      |
| MSCI EAFE Index                                  | 12.00          |   |            |
| Blmbg. Barc. U.S. Gov't/Credit                   | 30.50          | Jan-2007  |            |
| NCREIF Fund Index-Open End Diversified Core (EW) | 7.50           | S&P 500 Index                                   | 60.00      |
| 90 Day U.S. Treasury Bill                        | 0.00           | Blmbg. Barc. U.S. Gov't/Credit                  | 40.00      |
| oo bay o.o. Hoasary biii                         | 0.00           |   |            |
|  |                | Oct-2014  |            |
|  |                | S&P 500 Index                                   | 48.00      |
|  |                | Blmbg. Barc. U.S. Gov't/Credit                  | 52.00      |
|  |                | Jul-2018  |            |
|  |                | S&P 500 Index                                   | 45.00      |
|  |                | Blmbg. Barc. U.S. Gov't/Credit                  | 55.00      |
|  |                | Diffibg. Date. 0.3. Gov Potedit                 | 55.00      |



**Active Return** 

- Arithmetic difference between the manager's performance and the designated benchmark return over a specified time period.

Alpha

- A measure of the difference between a portfolio's actual performance and its expected return based on its level of risk as determined by beta. It determines the portfolio's non-systemic return, or its historical performance not explained by movements of the market.

Beta

- A measure of the sensitivity of a portfolio to the movements in the market. It is a measure of the portfolio's systematic risk.

Consistency

- The percentage of quarters that a product achieved a rate of return higher than that of its benchmark. Higher consistency indicates the manager has contributed more to the product's performance.

Distributed to Paid In (DPI)

- The ratio of money distributed to Limited Partners by the fund, relative to contributions. It is calculated by dividing cumulative distributions by paid in capital. This multiple shows the investor how much money they got back. It is a good measure for evaluating a fund later in its life because there are more distributions to measure against.

**Down Market Capture** 

- The ratio of average portfolio performance over the designated benchmark during periods of negative returns. A lower value indicates better product performance

**Downside Risk** 

- A measure similar to standard deviation that utilizes only the negative movements of the return series. It is calculated by taking the standard deviation of the negative quarterly set of returns. A higher factor is indicative of a riskier product.

**Excess Return** 

- Arithmetic difference between the manager's performance and the risk-free return over a specified time period.

Excess Risk

- A measure of the standard deviation of a portfolio's performance relative to the risk free return.

Information Ratio

- This calculates the value-added contribution of the manager and is derived by dividing the active rate of return of the portfolio by the tracking error. The higher the Information Ratio, the more the manager has added value to the portfolio.

**Public Market Equivalent (PME)** 

- Designs a set of analyses used in the Private Equity Industry to evaluate the performance of a Private Equity Fund against a public benchmark or index.

R-Squared

- The percentage of a portfolio's performance that can be explained by the behavior of the appropriate benchmark. A high R-Squared means the portfolio's performance has historically moved in the same direction as the appropriate benchmark.

Return

- Compounded rate of return for the period.

**Sharpe Ratio** 

- Represents the excess rate of return over the risk free return divided by the standard deviation of the excess return. The result is an absolute rate of return per unit of risk. A higher value demonstrates better historical risk-adjusted performance.

**Standard Deviation** 

- A statistical measure of the range of a portfolio's performance. It represents the variability of returns around the average return over a specified time period.

Total Value to Paid In (TVPI)

- The ratio of the current value of remaining investments within a fund, plus the total value of all distributions to date, relative to the total amount of capital paid into the fund to date. It is a good measure of performance before the end of a fund's life

**Tracking Error** 

- This is a measure of the standard deviation of a portfolio's returns in relation to the performance of its designated market benchmark.

**Treynor Ratio** 

- Similar to Sharpe ratio but utilizes beta rather than excess risk as determined by standard deviation. It is calculated by taking the excess rate of return above the risk free rate divided by beta to derive the absolute rate of return per unit of risk. A higher value indicates a product has achieved better historical risk-adjusted performance.

**Up Market Capture** 

- The ratio of average portfolio performance over the designated benchmark during periods of positive returns. A higher value indicates better product performance.



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