# Callan

**Executive Summary** First Quarter 2023

Arkansas Judicial Retirement System

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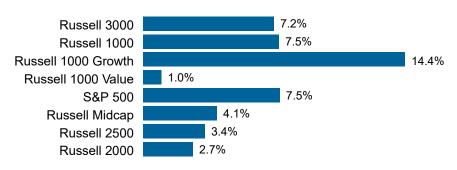
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## **U.S. Equity Performance: 1Q23**

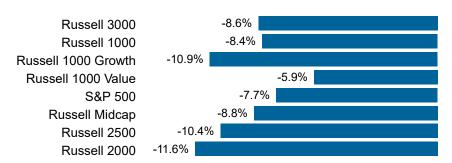
## Large cap growth stocks lead broad indices higher; small cap indices hurt by regional bank sell-off

- ➤ The S&P 500 posted a second straight quarter of positive performance, gaining 7.5%; large cap growth led all styles, advancing 14.4%; Russell 2000 Value was an exception with a slight decline (0.7%) due to greater exposure to Financials, specifically small banks.
- ► Three sectors comprising 44% of S&P 500 (63% of Russell 1000 Growth) drove performance: Technology (+21.8%), Communication Services (+20.5%), and Consumer Discretionary (+16.1%). Financials, Energy, and Health Care were negative but had only a modest impact given smaller weights in these benchmarks.
- ➤ Small caps (Russell 2000) underperformed large caps (Russell 1000) and growth outperformed value during the quarter, a reversal of trend from 2022. Greater exposure to small banks in Russell 2000 (8.3%) versus Russell 1000 (3.3%) was one differentiator; strong returns for mega-cap Technology also increased divergence.

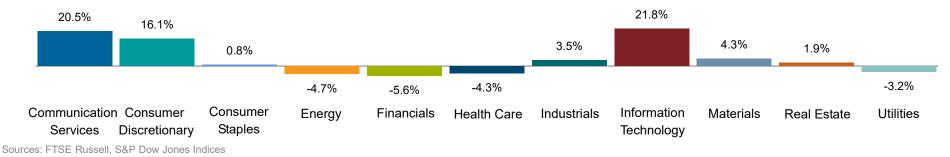
#### U.S. Equity: Quarter Ended 3/31/23



#### U.S. Equity: One-Year Returns Ended 3/31/23



#### Industry Sector Quarterly Performance (S&P 500) as of 3/31/23





# Global/Global ex-U.S. Equity Performance: 1Q23

## A reversal of 2022

1Q23 brought global and global ex-U.S. equity markets back to black.

#### Positive results despite hiccups

- ► The first quarter of the year was marked by the collapse of Silicon Valley Bank and Credit Suisse, which sent fears of a banking crisis across global markets.
- Despite a Fed hike during the period, investors began to price in lower rate expectations.
- ► Europe outperformed other regions, making up ground lost in 2022 as inflation eased and recession fears lessened.

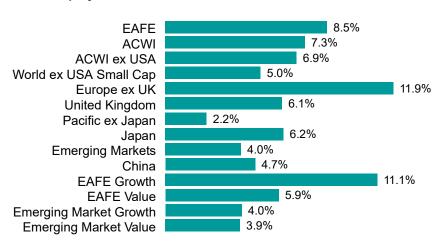
#### Growth vs. value

- Growth outpaced value across developed and emerging markets.
  - In a reversal from 2022, investors preferred growth alongside a drawdown in banks; Information Technology was the largest outperformer.

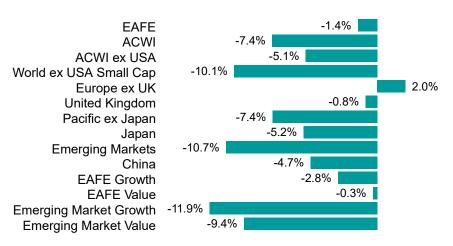
#### U.S. dollar vs. other currencies

▶ After some strength early in the quarter, the U.S. dollar declined 1% as interest rate differentials narrowed globally.

#### Global Equity Returns: Quarter Ended 3/31/23



#### Global Equity Returns: One Year Ended 3/31/23







## **U.S. Fixed Income Performance: 1Q23**

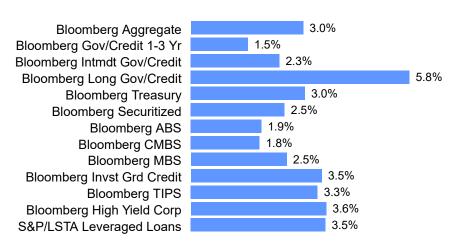
### U.S. Fed remains hawkish as it looks to stem inflation

► The Bloomberg Aggregate rose 3.0% in 1Q, but monthly returns were mixed.

January: + 3.1%February: - 2.6%March: +2.5%

- Sector performance was mixed over the quarter with residential and commercial mortgages underperforming U.S Treasuries and corporates outperforming.
- ➤ The U.S. Fed delivered another 0.25% hike in March, taking the policy range to 4.75% 5.00%, the highest since September 2007.
  - Median expectation from Fed is 5.1% for year-end 2023; the is market pricing in Fed cuts by year-end
  - Inflation moderated but still high and job market remains tight
- ► The 10-year U.S. Treasury yield fell by 0.41% and yields fell across the curve as fears of another banking crisis developed.
  - The yield curve remained inverted as of quarter-end by 0.58% for the 2-year/10-year and 1.16% bps for the 1year/10-year.
- ➤ TIPS (Bloomberg TIPS: +3.3%) did well; 10-year breakeven spreads were 2.3% as of quarter-end.
- ► High yield (Bloomberg High Yield Index: +3.6%) outperformed, but dispersion within the Index is meaningfully higher than it was two years ago.

#### U.S. Fixed Income Returns: Quarter Ended 3/31/23



#### U.S. Fixed Income Returns: One Year Ended 3/31/23

-4.8% Bloomberg Aggregate 0.3% Bloomberg Gov/Credit 1-3 Yr Bloomberg Intmdt Gov/Credit -1.7% -13.4% Bloomberg Long Gov/Credit -4.5% **Bloomberg Treasury** Bloomberg Securitized -4.7% 0.4% Bloomberg ABS -3.9% Bloomberg CMBS -4.9% Bloomberg MBS Bloomberg Invst Grd Credit -5.3% -6.1% Bloomberg TIPS -3.3% Bloomberg High Yield Corp S&P/LSTA Leveraged Loans





3.0%

## **Asset Allocation Review**

### **Change in AJRS Market Value during the Quarter:**

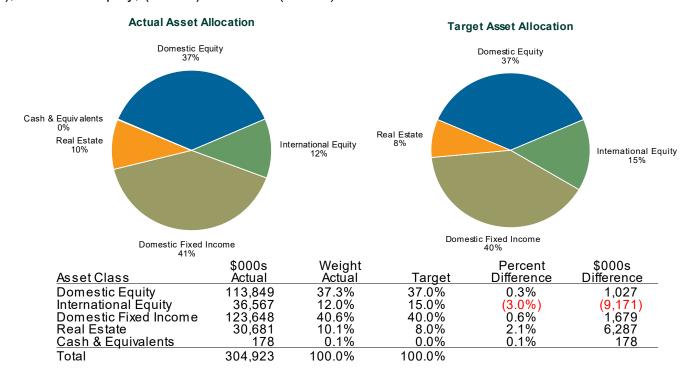
Beginning-of-Quarter Market Value: \$ 296,595,292

Net Increase in Market Value: + \$8,328,176

End-of-Quarter Market Value: \$ 304,923,468

#### Asset Allocation of AJRS Assets as of March 31, 2023

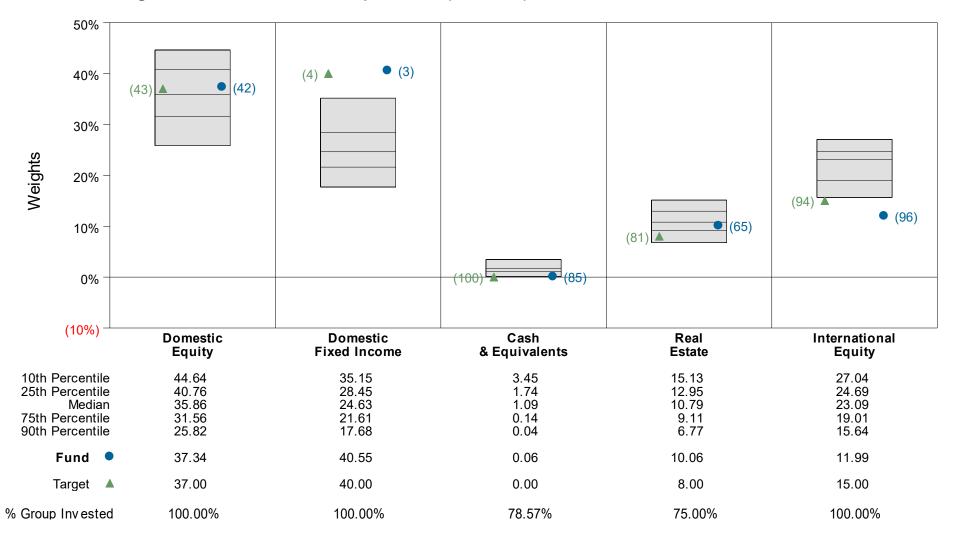
As of quarter-end, all asset classes are within the target allocation range established in the Investment Policy. International Equity is the largest underweight asset class at 3.0% below the target allocation. This position is offset by overweights to Real Estate (+2.1%), Fixed Income (+0.6%), Domestic Equity, (+0.3%) and Cash (+0.1%).





## **Asset Allocation Review**

## Asset Class Weights vs Callan Public Fund Spons- Mid (100M-1B)





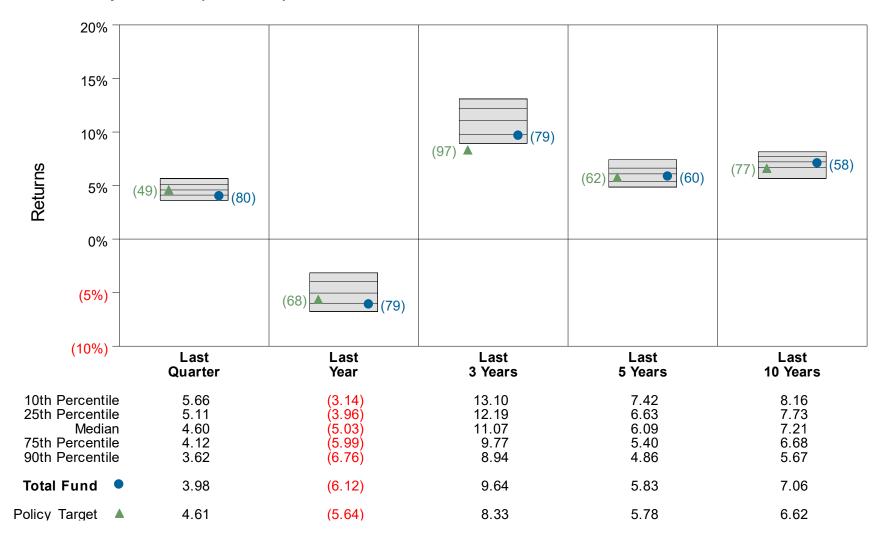
# **Asset Allocation Review**

|                                  | March 31,           | 2023   |               |               | <b>December 31, 2022</b> |        |  |  |
|----------------------------------|---------------------|--------|---------------|---------------|--------------------------|--------|--|--|
|                                  | <b>Market Value</b> | Weight | Net New Inv.  | Inv. Return   | <b>Market Value</b>      | Weight |  |  |
| Domestic Equity                  | \$113,848,717       | 37.34% | \$(3,311,318) | \$5,553,642   | \$111,606,392            | 37.63% |  |  |
| Mellon Russell 1000 Growth Index | 41,997,502          | 13.77% | (3,204,136)   | 5,510,415     | 39,691,223               | 13.38% |  |  |
| Boston Partners                  | 53,843,172          | 17.66% | (71,511)      | (153,490)     | 54,068,172               | 18.23% |  |  |
| Aristotle Capital Boston         | 18,008,043          | 5.91%  | (35,671)      | 196,717       | 17,846,997               | 6.02%  |  |  |
| International Equity             | \$36,567,212        | 11.99% | \$0           | \$3,448,475   | \$33,118,738             | 11.17% |  |  |
| Baillie Gifford                  | 36,567,212          | 11.99% | 0             | 3,448,475     | 33,118,738               | 11.17% |  |  |
| Fixed Income                     | \$123,648,077       | 40.55% | \$(89,081)    | \$4,093,036   | \$119,644,121            | 40.34% |  |  |
| MacKay Shields LLC               | 123,648,077         | 40.55% | (89,081)      | 4,093,036     | 119,644,121              | 40.34% |  |  |
| Real Estate                      | \$30,681,327        | 10.06% | \$(27,840)    | \$(1,299,482) | \$32,008,649             | 10.79% |  |  |
| Invesco Core Real Estate         | 30,681,327          | 10.06% | (27,840)      | (1,299,482)   | 32,008,649               | 10.79% |  |  |
| Cash & Equivalents               | \$178,136           | 0.06%  | \$(44,397)    | \$5,140       | \$217,393                | 0.07%  |  |  |
| AJRS General Fund                | 178,136             | 0.06%  | (44,397)      | 5,140         | 217,393                  | 0.07%  |  |  |
| Total Fund                       | \$304,923,468       | 100.0% | \$(3,472,635) | \$11,800,811  | \$296,595,292            | 100.0% |  |  |



# **Total Fund Performance Review**

## **Callan Public Fund Spons- Mid (100M-1B)**



**Policy Target** consists of 40% Blmbg Aggregate, 37% Russell 3000 Index, 15% MSCI ACWI ex-US and 8% NCREIF NFI-ODCE Equal Weight Net.

Note: Numbers adjacent to return number represent the portfolio's rank relative to the corresponding peer group. 1 = Highest Ranking; 100 = Lowest Ranking.



|                                  |         |    |        |    |          |    | Last   |    | Last   |    |
|----------------------------------|---------|----|--------|----|----------|----|--------|----|--------|----|
|                                  | Last    |    | Fiscal |    | Last     |    | 3      |    | 5      |    |
|                                  | Quarter |    | YTD    |    | Year     |    | Years  |    | Years  |    |
| Domestic Equity                  | 4.99%   | 94 | 9.38%  | 71 | (7.48%)  | 28 | 20.40% | 12 | 10.30% | 36 |
| Domestic Equity Benchmark        | 7.18%   | 15 | 9.75%  | 44 | (8.58%)  | 76 | 18.48% | 70 | 10.45% | 26 |
| Russell 3000 Index               | 7.18%   | 15 | 9.75%  | 44 | (8.58%)  | 76 | 18.48% | 70 | 10.45% | 26 |
| S&P 500 Index                    | 7.50%   | 10 | 9.98%  | 39 | (7.73%)  | 34 | 18.60% | 65 | 11.19% | 5  |
| Med Public Fd - Dom Eqty         | 6.62%   |    | 9.69%  |    | (7.98%)  |    | 18.95% |    | 10.09% |    |
| Mellon Russell 1000 Growth Index | 14.25%  | 30 | 12.54% | 37 | (11.00%) | 41 | 18.46% | 21 | -      |    |
| Russell 1000 Growth Index        | 14.37%  | 28 | 12.67% | 37 | (10.90%) | 40 | 18.58% | 20 | 13.66% | 14 |
| Callan Large Cap Growth          | 13.09%  |    | 11.56% |    | (11.85%) |    | 15.62% |    | 11.62% |    |
| Boston Partners                  | (0.29%) | 67 | 6.97%  | 65 | (4.81%)  | 57 | 22.11% | 35 | 8.41%  | 45 |
| Russell 1000 Value Index         | 1.01%   | 37 | 7.17%  | 61 | (5.91%)  | 74 | 17.93% | 84 | 7.50%  | 70 |
| Callan Large Cap Value           | 0.42%   |    | 8.02%  |    | (4.52%)  |    | 20.57% |    | 8.28%  |    |
| Aristotle Capital Boston         | 1.09%   | 89 | 10.24% | 45 | (3.28%)  | 17 | 21.81% | 52 | -      |    |
| Russell 2000 Index               | 2.74%   | 66 | 6.75%  | 76 | (11.61%) | 86 | 17.51% | 94 | 4.71%  | 89 |
| Callan Small Cap Core            | 3.42%   |    | 9.95%  |    | (7.68%)  |    | 21.88% |    | 6.82%  |    |
| International Equity             | 10.41%  | 2  | 13.77% | 24 | (6.14%)  | 87 | 9.02%  | 99 | 2.83%  | 68 |
| International Equity Benchmark   | 7.00%   | 74 | 10.38% | 82 | (4.57%)  | 83 | 12.32% | 58 | 2.97%  | 63 |
| Med Public Fd - Int Eqty         | 7.45%   |    | 12.66% |    | (3.07%)  |    | 12.84% |    | 3.12%  |    |
| Baillie Gifford Intl Choice Fd   | 10.41%  | 19 | 13.77% | 59 | (6.14%)  | 88 | 9.02%  | 96 | 2.83%  | 76 |
| MSCI ACWIXUS Gross               | 7.00%   | 86 | 10.38% | 92 | (4.57%)  | 79 | 12.32% | 74 | 2.97%  | 74 |
| Callan NonUS Eq                  | 8.76%   |    | 14.61% |    | (1.87%)  |    | 13.77% |    | 3.99%  |    |



|                                 |         |    |         |    |         |    | Last    |     | Last  |    |
|---------------------------------|---------|----|---------|----|---------|----|---------|-----|-------|----|
|                                 | Last    |    | Fiscal  |    | Last    |    | 3       |     | 5     |    |
|                                 | Quarter |    | YTD     |    | Year    |    | Years   |     | Years |    |
| Domestic Fixed Income           | 3.42%   | 9  | 1.12%   | 19 | (5.52%) | 95 | (0.13%) | 19  | 1.77% | 27 |
| Domestic Fixed Income Benchmark | 2.96%   | 69 | (0.09%) | 90 | (4.78%) | 67 | (2.77%) | 100 | 0.91% | 93 |
| Med Public Fd - Dom Fixed       | 3.07%   |    | 0.59%   |    | (4.52%) |    | (1.40%) |     | 1.40% |    |
| MacKay Shields LLC              | 3.42%   | 34 | 1.12%   | 44 | (5.52%) | 82 | (0.13%) | 29  | 1.77% | 32 |
| Blmbg Aggregate Index           | 2.96%   | 83 | (0.09%) | 86 | (4.78%) | 48 | (2.77%) | 99  | 0.91% | 96 |
| Callan Core Plus Fl             | 3.31%   |    | 0.83%   |    | (4.79%) |    | (0.64%) |     | 1.63% |    |
| Real Estate                     | (4.06%) | 91 | (7.49%) | 65 | (3.00%) | 54 | 6.61%   | 94  | 6.97% | 53 |
| Med Public Fd - Real Est        | (1.81%) |    | (6.24%) |    | (2.45%) |    | 8.47%   |     | 7.06% |    |
| Invesco Core Real Estate        | (4.06%) | 89 | (7.49%) | 70 | (3.00%) | 72 | 6.61%   | 78  | 6.97% | 67 |
| NFI-ODCE Equal Weight Net       | (3.50%) | 83 | (7.70%) | 74 | (3.69%) | 80 | 8.17%   | 43  | 7.13% | 57 |
| Callan OE Core Cmngld RE        | (1.45%) |    | (5.04%) |    | (0.87%) |    | 7.75%   |     | 7.21% |    |
| Total Fund                      | 3.98%   | 80 | 4.57%   | 86 | (6.12%) | 79 | 9.64%   | 79  | 5.83% | 60 |
| Callan Public Fd Mid DB         | 4.60%   |    | 5.90%   |    | (5.03%) |    | 11.07%  |     | 6.09% |    |
| Total Fund ex Cash              | 3.98%   | 80 | 4.55%   | 86 | (6.14%) | 79 | 9.72%   | 77  | 5.87% | 60 |
| Target Benchmark*               | 4.61%   | 49 | 4.55%   | 86 | (5.64%) | 68 | 8.33%   | 97  | 5.78% | 62 |
| Callan Public Fd Mid DB         | 4.60%   |    | 5.90%   |    | (5.03%) |    | 11.07%  |     | 6.09% |    |

<sup>\*</sup>Current Quarter Target = 40.0% Blmbg Aggregate, 37.0% Russell 3000 Index, 15.0% MSCI ACWI ex-US Gross and 8.0% NCREIF NFI-ODCE Eq Wt Net. \*\*NFI-ODCE Equal Weight Idx return is based on preliminary data.



|                                  | Last    | Last     | Last<br>3 | Last<br>5 | Last<br>15-3/4 |
|----------------------------------|---------|----------|-----------|-----------|----------------|
| NET OF FEE RETURNS               | Quarter | Year     | Years     | Years     | Years          |
|                                  |         |          |           |           |                |
| Domestic Equity                  |         |          |           |           |                |
| Mellon Russell 1000 Growth Index | 14.24%  | (11.03%) | 18.41%    | -         | -              |
| Russell 1000 Growth Index        | 14.37%  | (10.90%) | 18.58%    | 13.66%    | 10.98%         |
| Boston Partners                  | (0.42%) | (5.33%)  | 21.46%    | 7.82%     | 7.56%          |
| Russell 1000 Value               | 1.01%   | (5.91%)  | 17.93%    | 7.50%     | 6.26%          |
| Aristotle Capital Boston         | 0.89%   | (4.06%)  | 20.85%    | -         | -              |
| Russell 2000 Index               | 2.74%   | (11.61%) | 17.51%    | 4.71%     | 6.46%          |
| International Equity             |         |          |           |           |                |
| Baillie Gifford Intl Choice Fd   | 10.28%  | (6.60%)  | 8.48%     | 2.31%     | _              |
| MSCI ACWIxUS Gross               | 7.00%   | (4.57%)  | 12.32%    | 2.97%     | 2.59%          |
| Domestic Fixed Income            |         |          |           |           |                |
| MacKay Shields LLC               | 3.34%   | (5.80%)  | (0.43%)   | 1.47%     | _              |
| Blmbg Aggregate Index            | 2.96%   | (4.78%)  | (2.77%)   | 0.91%     | 3.10%          |
| Real Estate                      |         |          |           |           |                |
| Invesco Core Real Estate         | (4.13%) | (3.27%)  | 6.31%     | 6.56%     | _              |
| NFI-ODCE Equal Weight Net        | (3.50%) | (3.69%)  | 8.17%     | 7.13%     | 5.26%          |
| Total Fund                       | 3.89%   | (6.45%)  | 9.27%     | 5.42%     | 5.53%          |
| Total Fund ex Cash               | 3.89%   | (6.47%)  | 9.34%     | 5.46%     | 5.73%          |
| Target Benchmark*                | 4.61%   | (5.64%)  | 8.33%     | 5.78%     | 5.80%          |

<sup>\*</sup>Current Quarter Target = 40.0% Blmbg Aggregate, 37.0% Russell 3000 Index, 15.0% MSCI ACWI ex-US Gross and 8.0% NCREIF NFI-ODCE Eq Wt Net.



# **Total Fund Performance Attribution**

## Relative Attribution Effects for Quarter ended March 31, 2023

| Asset Class                   | Effective<br>Actual<br>Weight | Effective<br>Target<br>Weight | Actual<br>Return | Target<br>Return | Manager<br>Effect | Asset<br>Allocation | Total<br>Relative<br>Return |
|-------------------------------|-------------------------------|-------------------------------|------------------|------------------|-------------------|---------------------|-----------------------------|
| Domestic Equity               | 38%                           | 37%                           | 4.99%            | 7.18%            | (0.82%)           | 0.01%               | (0.81%)                     |
| Domestic Fixed Incor          | ne 40%                        | 40%                           | 3.42%            | 2.96%            | `0.19%´           | (0.01%)             | `0.18%´                     |
| Real Estate                   | 11%                           | 8%                            | (4.06%)          | (3.50%)          | (0.06%)           | (0.23%)             | (0.29%)                     |
| International Equity          | 11%                           | 15%                           | 10.41%′          | `7.00%´          | `0.38%´           | (0.09%)             | `0.29%´                     |
| <u>Cash &amp; Equivalents</u> | 0%                            | 0%                            | 1.02%            | 1.02%            | 0.00%             | (0.00%)             | (0.00%)                     |
|                               |                               |                               |                  |                  |                   |                     |                             |
| Total                         |                               |                               | 3.98% =          | 4.61% -          | + (0.32%) +       | (0.31%)             | (0.63%)                     |

## **One Year Relative Attribution Effects**

| Asset Class                   | Effective<br>Actual<br>Weight | Effective<br>Target<br>Weight | Actual<br>Return | Target<br>Return | Manager<br>Effect | Asset<br>Allocation | Total<br>Relative<br>Return |
|-------------------------------|-------------------------------|-------------------------------|------------------|------------------|-------------------|---------------------|-----------------------------|
| Domestic Equity               | 37%                           | 37%                           | (7.48%)          | (8.58%)          | 0.39%             | (0.16%)             | 0.23%                       |
| Domestic Fixed Incor          | ne 40%                        | 40%                           | (5.52%)          | (4.78%)          | (0.32%)           | (0.06%)             | (0.37%)                     |
| Real Estate                   | 11%                           | 8%                            | (3.00%)          | (3.69%)          | `0.08%            | (0.14%)             | (0.06%)                     |
| International Equity          | 11%                           | 15%                           | (6.14%)          | (4.57%)          | (0.15%)           | (0.14%)             | (0.29%)                     |
| <u>Cash &amp; Equivalents</u> | 0%                            | 0%                            | `2.60%′          | 2.60%            | `0.00%´           | <u>`0.01%´</u>      | <u>`0.01%′</u>              |
|                               |                               |                               |                  |                  |                   |                     |                             |
| Total                         |                               |                               | (6.12%) =        | (5.64%) +        | 0.01% +           | (0.49%)             | (0.48%)                     |



# **Total Fund Performance Attribution**

### **Three Year Annualized Relative Attribution Effects**

| Asset Class                         | Effective<br>Actual<br>Weight | Effective<br>Target<br>Weight | Actual<br>Return               | Target<br>Return               | Manager<br>Effect | Asset<br>Allocation | Total<br>Relative<br>Return |
|-------------------------------------|-------------------------------|-------------------------------|--------------------------------|--------------------------------|-------------------|---------------------|-----------------------------|
| Domestic Equity                     | 38%                           | 37%                           | 20.40%                         | 18.48%                         | 0.68%             | (0.07%)             | 0.61%                       |
| Domestic Fixed Incor<br>Real Estate | ne 39%<br>9%                  | 40%<br>8%                     | ( <mark>0.13%)</mark><br>6.61% | ( <mark>2.77%)</mark><br>8.17% | 1.04%<br>(0.13%)  | 0.23%<br>(0.16%)    | 1.27%<br>(0.30%)            |
| International Equity                | 14%                           | 15%                           | 9.02%                          | 12.32%                         | (0.27%)           | `0.06%´             | (0.21%)                     |
| Cash & Equivalents                  | 0%                            | 0%                            | 0.91%                          | 0.91%                          | 0.00%             | (0.05%)             | (0.05%)                     |
| Total                               |                               |                               | 9.64% =                        | 8.33% +                        | 1.31% +           | 0.01%               | 1.32%                       |

### **Five Year Annualized Relative Attribution Effects**

| Asset Class          | Effective<br>Actual<br>Weight | Effective<br>Target<br>Weight | Actual<br>Return | Target<br>Return | Manager<br>Effect | Asset<br>Allocation | Total<br>Relative<br>Return |
|----------------------|-------------------------------|-------------------------------|------------------|------------------|-------------------|---------------------|-----------------------------|
| Domestic Equity      | 38%                           | 37%                           | 10.30%           | 10.45%           | (0.04%)           | (0.12%)             | (0.16%)                     |
| Domestic Fixed Incor |                               | 40%                           | 1.77%            | 0.91%            | 0.27%             | (0.03%)             | 0.24%                       |
| Real Estate          | 9%                            | 8%                            | 6.97%            | 7.13%            | (0.01%)           | (0.10%)             | (0.11%)                     |
| International Equity | 14%                           | 15%                           | 2.83%            | 2.97%            | 0.10%             | (0.01%)             | 0.10%                       |
| Cash & Equivalents   | 0%                            | 0%                            | 1.39%            | 1.39%            | 0.00%             | (0.02%)             | _(0.02%)_                   |
| Total                |                               |                               | 5.83% =          | 5.78% +          | 0.32% +           | (0.28%)             | 0.04%                       |



The Total Fund returned 3.98% in the first quarter and lagged the benchmark return of 4.61%. The Total Fund's first quarter performance ranked at the 80<sup>th</sup> percentile of peers. For the last year, the Total Fund declined 6.12% and underperformed the benchmark return of -5.64%, ranking at the 79<sup>th</sup> percentile of peers. The Fund has outperformed the benchmark over the last 3-, 5-, 10-, 15-, 20-, and 31.75-year periods on an annualized basis.

The AJRS Domestic Equity Composite returned 4.99% in the quarter and underperformed the Russell 3000 Index return of 7.18%. First quarter returns ranked at the 94<sup>th</sup> percentile of peers. Over the last year, Domestic Equity returned -7.48% and outperformed the benchmark (-8.58%). The composite leads its benchmark over the last 3-, 7-, 20-, and 31.75-year periods and has consistently outperformed its peer group median.

- The **Mellon** Russell 1000 Growth Index Fund is passively invested in the Russell 1000 Growth Index. The Fund (14.25%) modestly trailed the benchmark return of 14.37% for the quarter and finished at the 30<sup>th</sup> percentile of the Callan Large Cap Growth peer universe. Over the trailing year, the Fund declined -11.00% and ranked at the 41<sup>st</sup> percentile of peers.
- In large cap value equity, **Boston Partners** fell 0.29% for the quarter and underperformed the benchmark return of 1.01%. First quarter results ranked at the 67<sup>th</sup> percentile of the Callan Large Cap Value peer group. Over the last year, the Fund returned -4.81% versus the benchmark return of -5.91% and ranked at the 57<sup>th</sup> percentile of peers. The Fund leads its benchmark and ranks in the top third of its peer group over longer periods.
- In small cap equity, **Aristotle Capital** finished the quarter up 1.09% which trailed the benchmark return of 2.74% and placed them in the 89<sup>th</sup> percentile of the Callan Small Cap Core peer group. Over the trailing year, the Fund (-3.28%) ranked in the top quartile of peers and provided strong downside protection against the benchmark return of -11.61%. Over the last three years, the fund has outperformed the benchmark on an annualized basis and ranks just behind its peer group median.



The AJRS International Equity Composite experienced a strong quarter, up 10.41% versus the benchmark return of 7.00%. First quarter performance ranked at the 2<sup>nd</sup> percentile of peers. For the last year, the International Equity Composite declined 6.14% and underperformed the benchmark (-4.57%). The Composite outperformed the benchmark over the trailing 7-, 10-, and 15-year periods.

• **Baillie Gifford** is the only manager in the international equity composite. The Fund outpaced the index for the quarter and ranked at the 19<sup>th</sup> percentile of peers. The Fund trails its benchmark and peers over longer annualized periods.

The AJRS Domestic Fixed Income Composite returned 3.42% in the quarter versus the 2.96% return of the Bloomberg Aggregate Index and ranked in the 9<sup>th</sup> percentile of peers. Over the trailing year, Fixed Income returned -5.52% and trailed the benchmark (-4.78%). The Composite has outperformed its benchmark across longer-term periods and ranks in the top half of peers over the last 3-, 5-, 7-, 10-, and 15-year periods.

• **MacKay Shields**, the only manager in the fixed income composite, outperformed the Bloomberg Aggregate and ranked at the 34<sup>th</sup> percentile of its peer group for the quarter. Over the last year, the Fund lags the benchmark and ranks at the 82<sup>nd</sup> percentile of peers. The Fund leads its benchmark and ranks in the top third of peers across longer time periods.

The AJRS Real Estate Composite declined 4.06% for the quarter and ranked at the 91<sup>st</sup> percentile of the Callan Medium Public Fund Real Estate peer universe. The Composite returned -3.00% over the last year and finished just below its peer group median.

• **Invesco Core Real Estate** is the lone fund within the real estate composite. The Fund underperformed the NFI-ODCE Equal Weight Net Index (-3.50%) and ranked at the 89<sup>th</sup> percentile of peers for the quarter. Over the last year, the fund outperformed the -3.69% return of the benchmark and ranked at the 72<sup>nd</sup> percentile of peers. The Fund leads the index and ranks in the top half of its peer group over the trailing 7- and 10-year periods.



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