

Monthly Risk-Return Report

As of February 28, 2018

| Asset Allocation | |
|-------------------|--------|
| Returns | |
| Risk | |
| Portfolio Changes | Page 4 |
| Benchmarks | Page 5 |

Based on actual BNY Mellon data through January 2018 and preliminary data for February 2018.

Private asset valuations and returns are presented with a quarterly lag per industry standard.



As of February 28, 2018

Asset Allocation and Policy Guidelines

| | Assets and A | Assets and Allocation | | Minimum | Maximum | Difference | |
|-----------------------------|--------------|-----------------------|--------|---------|---------|--------------------|----------------|
| Asset Class | \$ (MM) | % | Target | Target | Target | From Policy Target | Within Target? |
| Public Markets Equity | 5,794 | 46.2% | 45.0% | 40.0% | 50.0% | 1.2% | Yes |
| Global Equity | 343 | 2.7% | 3.0% | 0.0% | 10.0% | -0.3% | Yes |
| US Equity | 2,373 | 18.9% | 18.0% | 13.0% | 23.0% | 0.9% | Yes |
| Non-US Equity Developed | 1,943 | 15.5% | 15.0% | 11.0% | 19.0% | 0.5% | Yes |
| Non-US Equity Emerging | 1,136 | 9.1% | 9.0% | 5.0% | 13.0% | 0.1% | Yes |
| Fixed Income and Cash | 3,010 | 24.0% | | | | | |
| Risk-Reducing Fixed Income | 2,282 | 18.2% | 18.0% | 13.0% | 24.0% | 0.2% | Yes |
| Return-Seeking Fixed Income | 729 | 5.8% | 6.0% | 0.0% | 12.0% | -0.2% | Yes |
| Opportunistic | 1,002 | 8.0% | 8.0% | 0.0% | 15.0% | 0.0% | Yes |
| Private Assets | 2,733 | 21.8% | 23.0% | 10.0% | | -1.2% | Yes |
| Real Estate | 1,065 | 8.5% | 9.0% | 5.0% | 12.0% | -0.5% | Yes |
| Private Equity | 867 | 6.9% | 8.0% | 3.0% | 10.0% | -1.1% | Yes |
| Private Real Assets | 801 | 6.4% | 6.0% | 3.0% | 8.0% | 0.4% | Yes |
| Total Invested | 12,540 | 100.0% | | | | | |

Page 1 03/14/2018



Portfolio and Benchmark Returns

| As | of | F | eb | ruarv | 28. | . 20 | 18 |
|----|----|---|----|-------|-----|------|----|
|----|----|---|----|-------|-----|------|----|

| As of February 28, 2018 | | | | | | | |
|--|-------|------------------|------------------|------------------|-------------------|-----------------|---------|
| | MTD | QTD | FYTD | CYTD | 1 Year | 3 Years | 5 Years |
| SDCERA Total Trust Fund | -2.4% | 0.6% | 8.4% | 0.6% | 13.1% | 6.4% | 7.0% |
| SDCERA Policy Benchmark | -2.9% | 0.5% | 8.5% | 0.5% | 12.7% | 7.0% | 6.9% |
| Balanced Benchmark | -3.1% | 0.3% | 8.4% | 0.3% | 13.0% | 6.4% | 7.7% |
| Actuarial Rate of Return | 0.6% | 1.2% | 4.8% | 1.2% | 7.3% | 7.4% | 7.6% |
| | | | | | | | |
| SDCERA Public Markets | -3.1% | 0.4% | 8.6% | 0.4% | 13.8% | 4.8% | 7.1% |
| Balanced Benchmark | -3.1% | 0.3% | 8.4% | 0.3% | 13.0% | 6.4% | 7.7% |
| Total Public Markets Equity | -4.2% | 1.4% | 13.5% | 1.4% | 20.6% | 7.4% | 9.3% |
| MSCI ACWI IMI | -4.2% | 1.0% | 12.5% | 1.0% | 18.6% | 8.5% | 10.2% |
| Total Fixed Income and Cash | -0.5% | -1.0% | 0.3% | -1.0% | 1.5% | 2.1% | 1.9% |
| Bloomberg Barclays US Intermediate Aggregate | -0.5% | -1.5% | -0.9% | -1.5% | 0.1% | 1.0% | 1.4% |
| | | | | | | | |
| Opportunistic | | | | | | | |
| Opportunistic | -5.0% | -1.6% | 7.7% | -1.6% | 6.6% | 4.4% | 7.1% |
| Balanced Benchmark | -3.1% | 0.3% | 8.4% | 0.3% | 13.0% | 6.4% | 7.7% |
| | | | | | | | |
| Private Assets | | The industry sto | ındard is to pre | sent private ass | et returns with o | a quarterly lag | |
| Real Estate | 0.6% | 1.4% | 6.3% | 1.4% | 9.7% | 11.8% | 11.4% |
| NCREIF ODCE | 0.6% | 1.2% | 4.8% | 1.2% | 6.9% | 9.1% | 10.4% |
| Private Equity | 0.2% | 2.4% | 9.8% | 2.4% | 18.6% | 10.4% | 13.5% |
| MSCI ACWI IMI | -4.2% | 1.0% | 12.5% | 1.0% | 18.6% | 8.5% | 10.2% |
| Private Real Assets | 0.2% | 0.9% | 6.9% | 0.9% | 12.7% | 4.1% | 6.9% |
| MSCI ACWI IMI | -4.2% | 1.0% | 12.5% | 1.0% | 18.6% | 8.5% | 10.2% |
| | | | | | | | |
| Equities by Sub-Asset Class | | | | | | | |
| Global Equity | -3.9% | 1.9% | 14.7% | 1.9% | 20.8% | 9.5% | 11.4% |
| MSCI ACWI IMI | -4.2% | 1.0% | 12.5% | 1.0% | 18.6% | 8.5% | 10.2% |
| US Equity | -3.7% | 1.4% | 12.9% | 1.4% | 16.2% | 10.3% | 12.5% |
| MSCI USA IMI | -3.8% | 1.3% | 12.4% | 1.3% | 15.7% | 10.0% | 13.7% |
| Non-US Equity Developed | -4.5% | 0.3% | 10.3% | 0.3% | 20.4% | 5.9% | |
| MSCI EAFE IMI | -4.4% | 0.4% | 10.9% | 0.4% | 21.2% | 6.5% | |
| Non-US Emerging | -4.6% | 3.3% | 19.3% | 3.3% | 29.3% | 9.8% | 5.2% |
| MSCI Emerging Markets | -4.6% | 3.3% | 19.8% | 3.3% | 30.5% | 9.0% | 5.0% |
| | | | | | | | |
| Fixed Income by Sub-Asset Class | | | | | | | |
| Risk-Reducing Fixed Income | -0.4% | -1.3% | -0.3% | -1.3% | 1.0% | | |
| Bloomberg Barclays US Intermediate Aggregate | -0.5% | -1.5% | -0.9% | -1.5% | 0.1% | | |
| Return-Seeking Fixed Income | -0.8% | -0.2% | 2.4% | -0.2% | 3.9% | | |
| ICE BofA Merrill Lynch US High Yield | -0.9% | -0.3% | 2.2% | -0.3% | 4.1% | | |

Please note: The Non-US Equity Developed and MSCI EAFE IMI 5 yr returns are blank because the current composite returns calculated by BNY Mellon do not cover these time periods. The Risk-Reducing Fixed Income, Return-Seeking Fixed Income and ICE BofA Merrill Lynch US High Yield 3 and 5 yr returns are blank because the current composite returns calculated by BNY Mellon do not cover these time periods. SDCERA Benchmark returns are before fees.

Page 2 03/14/2018

Portfolio Risk and Tracking Error

| | 1 | ortiono Risk and 1 | racking Error | | | |
|--|------------|--------------------|---------------|-------------------|------------|-------------------|
| SECERA | 1 | 2/31/17 | 1/31 | 1/18 | 2/28 | 3/18 |
| As of February 28, 2018 | Trailin | g three years | Trailing tl | hree years | Trailing t | hree years |
| Total Trust Fund | Volatility | Tracking Error | Volatility | Tracking Error | Volatility | Tracking Error |
| SDCERA Total Trust Fund Assets | 5.0% | N/A | 5.2% | N/A | 5.4% | N/A |
| SDCERA Policy Benchmark | 6.0% | 1.8% | 6.2% | 1.7% | 6.5% | 1.8% |
| | | | | | | |
| | Fore | casted | Forec | | Forec | |
| Total Trust Fund | Volatility | Tracking Error | Volatility | Tracking Error | Volatility | Tracking Error |
| SDCERA Total Trust Fund Assets | 5.8% | N/A | 5.9% | N/A | 6.0% | N/A |
| SDCERA Policy Benchmark | 7.3% | 1.8% | 7.3% | 1.7% | 7.5% | 1.8% |
| Balanced Benchmark | 7.0% | 1.6% | 7.0% | 1.5% | 7.2% | 1.6% |
| SDCERA Public-Only Assets | 6.7% | N/A | 6.7% | N/A | 6.9% | N/A |
| SDCERA Public Benchmark | 7.1% | 0.7% | 7.1% | 0.7% | 7.3% | 0.7% |
| | | | | | | |
| Equities | | | | | | |
| Global Equity | 9.8% | | 9.8% | | 10.0% | |
| MSCI ACWI IMI | 9.9% | 1.7% | 10.0% | 2.1% | 10.2% | 2.1% |
| US Equity | 9.8% | | 9.8% | | 10.0% | |
| MSCI USA IMI | 9.7% | 0.5% | 9.7% | 0.5% | 10.0% | 0.5% |
| Non-US Equity Developed | 11.8% | | 11.8% | | 12.0% | |
| MSCI EAFE IMI | 11.6% | 0.8% | 11.6% | 0.8% | 11.8% | 0.8% |
| Non-US Emerging | 14.4% | | 14.8% | | 14.9% | |
| MSCI Emerging Markets | 14.4% | 0.9% | 14.8% | 0.9% | 15.0% | 0.9% |
| | | | | | | |
| Fixed Income | | | | | | |
| Risk-Reducing Fixed Income | 1.8% | | 1.5% | | 1.7% | |
| Bloomberg Barclays US Intermediate Aggregate | 2.1% | 0.2% | 2.1% | 0.4% | 2.1% | 0.3% |
| Return-Seeking Fixed Income | 4.4% | 4.454 | 4.4% | 4 4 5 4 | 4.4% | |
| ICE BofA Merrill Lynch US High Yield | 5.2% | 1.1% | 5.2% | 1.1% | 5.3% | 1.1% |
| | | | | | | |
| Opportunistic | | | | | | |
| Opportunistic | 6.0% | | 6.2% | | 5.9% | |
| Balanced Benchmark | 7.0% | 6.4% | 7.0% | 6.4% | 7.2% | 6.0% |
| Private Assets | | | | | | |
| Real Estate | 7.6% | | 7.2% | | 7.3% | |
| NCREIF ODCE | 8.2% | 9.0% | 8.4% | 8.8% | 8.7% | 8.8% |
| Private Equity | 7.1% | | 7.3% | | 7.5% | |
| MCCL ACMILINA | 0.00/ | 4.00/ | 10.00/ | 4.00/ | 10.00/ | 4.00/ |

4.9%

13.3%

10.0%

11.1%

10.0%

9.9%

11.4%

9.9%

MSCI ACWI IMI

Private Real Assets

MSCI ACWI IMI

Page 3 03/14/2018

10.2%

11.2%

10.2%

4.8%

13.3%

4.8%

13.2%



Allocation Changes (millions)

Increase PAAMCO Alt Beta: \$100

Increase AACA REIT: \$50

Increase Allianz Multi-Asset Long Short: \$100*

Decrease Operational Cash: \$108.9

Decrease Cantab: \$80

Public Markets Portfolio Changes in February 2018

| | | Portfolio \$ millio | | |
|------|------------------------------|------------------------------|---|--|
| End | | Begin | End | |
| 0.8% | ſ | \$0 | \$100 | |
| 0.8% | | \$51 | \$94 | |
| 0.8% | | \$0 | \$100 | |
| 1.3% | | \$292 | \$162 | |
| 1.7% | | \$326 | \$217 | |
| | | | | |
| | | | | |
| | | | | |
| | 0.8% 0.8% 0.8% 1.3% | 0.8% 0.8% 0.8% 1.3% | 0.8% \$0 0.8% \$51 0.8% \$0 1.3% \$292 | |

| Summary Comments | | | | | | |
|--|--|--|--|--|--|--|
| | | | | | | |
| Rebalance portfolio and increase manager alignment | | | | | | |
| Public Markets capital call per IMA | | | | | | |
| Rebalance portfolio and increase manager alignment | | | | | | |
| Rebalance portfolio and increase manager alignment | | | | | | |
| Rebalance portfolio and increase manager alignment | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Private Market Portfolio Changes in February 2018

Increase Brookfield Sr. Mezz RE Fin Fund: \$38.9

| Portfol | lio % | Portfolio \$ | millions |
|---------|-------|--------------|----------|
| Begin | End | Begin | End |
| 0.0% | 0.3% | \$0 | \$39 |

| Summary Comments | | | | | | | |
|------------------|-----------------|--------------|-----------|--|--|--|--|
| Rebalance port | folio and incre | ease manager | alignment | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Page 4 03/14/2018

^{*} Settlement/funding date was 3/5/2018; included in February reporting as part of a larger rebalancing.



Benchmarks

- The actuarial rate of return represents the long-term return assumption adopted by the Board of Retirement based on the analysis provided by SDCERA's actuary. SDCERA's actuarial rate of return is 7.25 percent.
- The SDCERA Policy benchmark is composed as follows: 45% MSCI ACWI Investable Market Index (IMI), 18% Bloomberg Barclays US Intermediate Aggregate Index, 6% ICE BofA Merrill Lynch U. S. High Yield Index, 8% Balanced Benchmark, 23% SDCERA Private Asset Benchmark.
- The SDCERA Balanced Benchmark is composed of 70% MSCI ACWI IMI and 30% Bloomberg Barclays U.S. Intermediate Aggregate Index.
- The Total Public Markets Equity Benchmark is the MSCI ACWI IMI.
- The Global Equity Benchmark is the MSCI ACWI IMI.
- The US Equity Benchmark is the MSCI USA IMI.
- The Non-US Equity (Developed) Benchmark is the MSCI EAFE IMI.
- The Non-US Equity Emerging Markets Benchmark is the MSCI Emerging Markets Index.
- The Risk-Reducing Fixed Income Benchmark is the Bloomberg Barclays U.S. Intermediate Aggregate Index.
- The Return-Seeking Fixed Income Benchmark is the ICE BofA Merrill Lynch U.S. High Yield Index.
- The Opportunistic Benchmark is 70% MSCI ACWI IMI and 30% Bloomberg Barclays U.S. Intermediate Aggregate Index.
- The Total Private Assets Benchmark is composed of 1/3 NCREIF and 2/3 MSCI ACWI IMI.
- The Real Estate Benchmark is the NCREIF ODCE Index.
- The Private Equity Benchmark is the MSCI ACWI IMI.
- The Private Real Assets Benchmark is the MSCI ACWI IMI.
- The MSCI ACWI IMI captures large, mid and small cap representation across 23 Developed Markets (DM) and 24 Emerging Markets (EM) countries.
- The SDCERA Public Markets Risk Benchmark is an aggregate of 3.9% MSCI ACWI IMI, 23.4% MSCI USA IMI, 19.5% MSCI EAFE IMI, 11.7% MSCI Emerging Markets Index, 23.4% Bloomberg Barclays U.S. Intermediate Aggregate Index, 7.8% ICE BofA Merrill Lynch US High Yield Index, and 10.3% Balanced Benchmark.