FUND EVALUATION REPORT

Worcester Retirement System

Quarterly Review May 12, 2016



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 $L: \backslash Worcester \backslash Review \backslash 2016 \backslash Q1 \backslash 2016 Q1 Review.pdf$

M E K E T A I N V E S T M E N T G R O U P

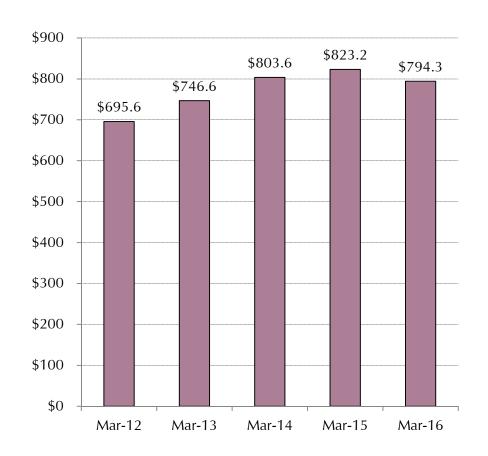
BOSTON
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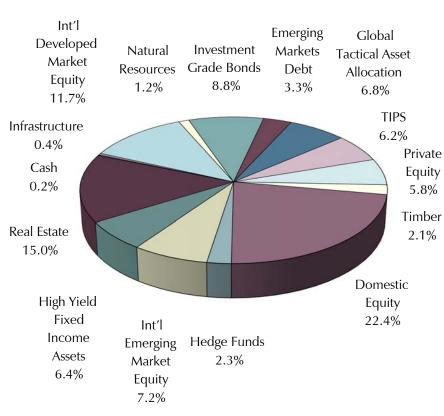
CHICAGO ILLINOIS

MIAMI FLORIDA PORTLAND OREGON SAN DIEGO CALIFORNIA LONDON UNITED KINGDOM

Retirement System Summary As of March 31, 2016

Aggregate Assets as of 3/31/16







| | Market Value 3/31/16 (\$ mm) | % of System | Target Allocation (%) | Target Range (%) | Market Value 12/31/15 (\$ mm) |
|--|------------------------------------|----------------|-----------------------------|------------------------|-------------------------------------|
| Total Retirement System | 794.3 | 100 | NA | NA | 796.5 |
| Domestic Equity Assets | 178.2 | 22 | 22 | 17-27 | 186.4 |
| International Developed Market Equity Assets | 93.3 | 12 | 12 | 7-17 | 104.2 |
| International Emerging Market Equity Assets | 57.5 | 7 | 9 | 6-12 | 61.4 |
| Investment Grade Bond Assets | 69.7 | 9 | 9 | 6-12 | 55.2 |
| TIPS Assets | 48.9 | 6 | 5 | 2-8 | 47.2 |
| Emerging Markets Debt Assets | 26.3 | 3 | 3 | 1-5 | 24.6 |
| High Yield Fixed Income Assets | 50.9 | 6 | 4 | 1-7 | 49.6 |
| Real Estate Assets ¹ | 119.3 | 15 | 10 | 5-15 | 116.6 |
| Private Equity Assets ¹ | 46.3 | 6 | 10 | 7-13 | 45.9 |
| Global Tactical Asset Allocation Assets | 54.4 | 7 | 7 | 4-10 | 54.3 |
| Hedge Fund Assets | 18.2 | 2 | 2 | 0-4 | 18.7 |
| Timber Assets ¹ | 17.0 | 2 | 3 | 2-4 | 16.4 |
| Natural Resources Assets | 9.6 | 1 | 2 | 1-3 | 9.3 |
| Infrastructure Assets ¹ | 3.3 | < 1 | 2 | 0-3 | 5.2 |
| Cash ² | 1.4 | < 1 | 0 | < 5 | 1.5 |

² Includes \$1.0mm held in Euros to be repatriated.



¹ Market values are based on December 31, 2015 fair market values, adjusted for subsequent period cash flows.

| | Market Value 3/31/16 (\$ mm) | % of Asset Class | % of System | Target Allocation (%) | Target Range (%) | Market Value 12/31/15 (\$ mm) |
|--|------------------------------------|---------------------|----------------|-----------------------------|------------------------|-------------------------------------|
| Total Retirement System | 794.3 | NA | 100 | NA | NA | 796.5 |
| Domestic Equity Assets | 178.2 | 100 | 22 | 22 | 17-27 | 186.4 |
| SSgA S&P 500 Index | 83.2 | 47 | 10 | | | 87.0 |
| SSgA Russell 1000 Growth Index | 34.8 | 20 | 4 | | | 37.4 |
| SSgA Russell 1000 Value Index | 33.8 | 19 | 4 | | | 36.1 |
| LMCG Small Cap Value | 9.3 | 5 | 1 | | | 8.9 |
| SSgA S&P Midcap 400 Index | 9.2 | 5 | 1 | | | 8.9 |
| Nichols Small Cap Growth | 7.9 | 4 | 1 | | | 8.2 |
| International Developed Market Equity Assets | 93.3 | 100 | 12 | 12 | 7-17 | 104.2 |
| SSgA MSCI EAFE Index ¹ | 75.0 | 80 | 9 | | | 85.9 |
| Acadian Non-U.S. Small Cap Equity | 18.3 | 20 | 2 | | | 18.3 |
| International Emerging Market Equity Assets | 57.5 | 100 | 7 | 9 | 6-12 | 61.4 |
| Lazard Emerging Markets Equity | 35.8 | 62 | 5 | | | 41.2 |
| Dimensional Emerging Markets | 21.7 | 38 | 3 | | | 20.3 |
| Investment Grade Bond Assets | 69.7 | 100 | 9 | 9 | 6-12 | 55.2 |
| IR&M Aggregate Bond | 69.7 | 100 | 9 | | | 55.2 |

¹ The SSgA MSCI EAFE Index daily liquidity fund had a market value of \$38.7 million.



| | Market Value 3/31/16 (\$ mm) | % of Asset Class | % of System | Target Allocation (%) | Target Range (%) | Market Value 12/31/15 (\$ mm) |
|-------------------------------------|------------------------------------|---------------------|----------------|-----------------------------|------------------------|-------------------------------------|
| TIPS Assets | 48.9 | 100 | 6 | 5 | 2-8 | 47.2 |
| IR&M Intermediate TIPS | 48.9 | 100 | 6 | | | 47.2 |
| Emerging Markets Debt Assets | 26.3 | 100 | 3 | 3 | 1-5 | 24.6 |
| Lazard Emerging Market Debt Blend | 26.3 | 100 | 3 | | | 24.6 |
| High Yield Fixed Income Assets | 50.9 | 6 | 6 | 4 | 1-7 | 49.6 |
| Loomis Sayles ¹ | 41.7 | 100 | 5 | | | 41.0 |
| Private Debt ² | 9.2 | 1 | 1 | | | 8.5 |
| Northstar Mezzanine Partners VI | 3.1 | < 1 | < 1 | | | 3.0 |
| Newstone Capital Partners II | 2.2 | < 1 | < 1 | | | 1.9 |
| Northstar Mezzanine Partners V | 2.0 | < 1 | < 1 | | | 2.1 |
| Northstar Mezzanine Partners IV | 1.0 | < 1 | < 1 | | | 0.7 |
| Newstone Capital Partners | 0.4 | < 1 | < 1 | | | 0.4 |
| Northstar Mezzanine Partners III | 0.3 | < 1 | < 1 | | | 0.3 |

² Market values are based on December 31, 2015 fair market values, adjusted for subsequent period cash flows.



¹ The high yield bond component was valued at approximately \$20.8 million, while the bank loan component was valued at approximately \$21.0 million.

| | Market Value 3/31/16 (\$ mm) | % of Asset Class | % of System | Target Allocation (%) | Target Range (%) | Market Value 12/31/15 (\$ mm) |
|---|------------------------------------|---------------------|----------------|-----------------------------|------------------------|-------------------------------------|
| Real Estate Assets ¹ | 119.3 | 100 | 15 | 10 | 5-15 | 116.6 |
| PRIT Real Estate | 62.9 | 53 | 8 | | | 61.3 |
| INVESCO Core Real Estate USA | 48.8 | 41 | 6 | | | 48.2 |
| AEW Partners VII | 4.6 | 4 | 1 | | | 4.3 |
| AEW Partners VI | 3.0 | 3 | < 1 | | | 2.7 |
| Intercontinental Real Estate Investment Fund IV | 0.1 | < 1 | < 1 | | | 0.1 |
| AREA Property Partners Fund II | < 0.1 | < 1 | < 1 | | | < 0.1 |
| Private Equity Assets ¹ | 46.3 | 100 | 6 | 10 | 7-13 | 45.9 |
| Buyouts | 34.7 | 75 | 4 | | | 34.3 |
| American Securities Partners VI | 7.5 | 16 | 1 | | | 7.4 |
| Vitruvian Investment Partnership I | 6.8 | 14 | 1 | | | 6.5 |
| Riverside Capital Appreciation Fund VI | 4.4 | 9 | 1 | | | 4.2 |
| Riverside Micro Cap Fund III | 4.3 | 9 | 1 | | | 4.2 |
| Capital International Private Equity Fund VI | 3.4 | 7 | < 1 | | | 3.4 |

¹ Market values are based on December 31, 2015 fair market values, adjusted for subsequent period cash flows.



| | Market Value 3/31/16 (\$ mm) | % of Asset Class | % of System | Target Allocation (%) | Target Range (%) | Market Value 12/31/15 (\$ mm) |
|--|------------------------------------|---------------------|----------------|-----------------------------|------------------------|-------------------------------------|
| Private Equity Assets ¹ (continued) | 46.3 | 100 | 6 | 10 | 7-13 | 45.9 |
| Harvest Partners V | 2.1 | 5 | < 1 | | | 2.2 |
| Riverside Europe Fund III | 1.9 | 4 | < 1 | | | 2.2 |
| Charlesbank Equity Fund VI | 1.9 | 4 | < 1 | | | 1.7 |
| Riverside Capital Appreciation Fund V | 1.5 | 3 | < 1 | | | 1.6 |
| TA XII | 0.4 | 1 | < 1 | | | 0.0 |
| Ridgemont II | 0.3 | 1 | < 1 | | | 0.3 |
| 2000 Riverside Capital Appreciation | 0.2 | < 1 | < 1 | | | 0.2 |
| 2003 Riverside Capital Appreciation | 0.2 | < 1 | < 1 | | | 0.2 |
| Charlesbank Equity Fund V | < 0.1 | < 1 | < 1 | | | 0.2 |
| Venture Capital Funds | 11.1 | 24 | 1 | | | 10.8 |
| Ascent Venture Partners V | 5.5 | 12 | 1 | | | 5.4 |
| Boston Millennia Partners III | 2.0 | 5 | < 1 | | | 2.0 |
| Boston Millennia Partners II | 1.2 | 3 | < 1 | | | 1.2 |
| Ascent Venture Partners IV | 0.9 | 2 | < 1 | | | 1.2 |
| Ascent Venture Partners VI | 8.0 | 2 | < 1 | | | 0.4 |
| Ascent Venture Partners III | 0.3 | 1 | < 1 | | | 0.4 |
| Ascent Venture Partners II | 0.2 | 1 | < 1 | | | 0.2 |
| Boston Capital Venture Fund III | < 0.1 | < 1 | < 1 | | | < 0.1 |

¹ Market values are based on December 31, 2015 fair market values, adjusted for subsequent period cash flows.



| | Market Value 3/31/16 (\$ mm) | % of Asset Class | % of System | Target Allocation (%) | Target Range (%) | Market Value 12/31/15 (\$ mm) |
|--|------------------------------------|---------------------|----------------|-----------------------------|------------------------|-------------------------------------|
| Private Equity Assets ¹ (continued) | 46.7 | 100 | 6 | 10 | 7-13 | 45.9 |
| Fund of Funds | 0.5 | 1 | < 1 | | | 0.8 |
| European Strategic Partners | 0.3 | 1 | < 1 | | | 0.4 |
| INVESCO Private Capital Fund II ² | 0.2 | < 1 | < 1 | | | 0.4 |
| Global Tactical Asset Allocation Assets | 54.4 | 100 | 7 | 7 | 4-10 | 54.3 |
| William Blair Macro Allocation Strategy | 54.4 | 100 | 7 | | | 54.3 |
| Hedge Fund Assets | 18.3 | 100 | 2 | 2 | 0-4 | 18.7 |
| PRIT Hedge Fund | 18.3 | 100 | 2 | | | 18.7 |
| Timber Assets ¹ | 29.9 | 100 | 4 | 3 | 2-4 | 30.9 |
| RMK Select Timberland Investment Fund I | 5.7 | 34 | 1 | | | 5.8 |
| Hancock Timberland VII | 5.7 | 33 | 1 | | | 5.1 |
| RMK Select Timberland Investment Fund II | 3.6 | 21 | < 1 | | | 3.7 |
| RMK Balanced Timberland B | 2.0 | 12 | < 1 | | | 1.9 |

² Market values are based on September 30, 2015 fair market values, adjusted for subsequent period cash flows.



¹ Market values are based on December 31, 2015 fair market values, adjusted for subsequent period cash flows.

| | Market Value 3/31/16 (\$ mm) | % of Asset Class | % of System | Target Allocation (%) | Target Range (%) | Market Value 12/31/15 (\$ mm) |
|--|------------------------------------|---------------------|----------------|-----------------------------|------------------------|-------------------------------------|
| Natural Resources Assets | 9.6 | 100 | 1 | 2 | 1-3 | 9.3 |
| SSGA S&P Large MidCap Natural Resource Index | 5.9 | 61 | 1 | | | 5.4 |
| White Deer Energy II ¹ | 2.2 | 22 | < 1 | | | 2.1 |
| White Deer Energy ¹ | 1.6 | 16 | < 1 | | | 1.7 |
| Infrastructure Assets ¹ | 3.3 | 100 | < 1 | 2 | 0-3 | 5.2 |
| Global Infrastructure Partners | 3.3 | 100 | < 1 | | | 5.2 |
| Cash ² | 1.4 | 100 | < 1 | 0 | < 5 | 1.5 |
| State Street Bank STIF | 0.4 | 25 | < 1 | | | 0.5 |

² Includes \$1.0mm held in Euros to be repatriated.



¹ Market values are based on December 31, 2015 fair market values, adjusted for subsequent period cash flows.

| | 1Q16 (%) | 1 YR (%) | 3 YR (%) | 5 YR (%) | 10 YR (%) | 20 YR (%) | Inception Date | Since Inception (%) |
|--|-------------------|---------------------|---------------------|---------------------|-------------------|------------------|-------------------|---------------------------|
| Fotal Retirement System Net of Fees | 1.8 1.7 | -1.0 -1.2 | 4.5 4.3 | 5.3 5.1 | 4.7 4.5 | 7.1 6.9 | 10/1/95 | 7.3 7.0 |
| CPI (inflation) Custom Benchmark - Target Allocation ¹ | 0.7 1.8 | 0.9 -3.6 | 0.8 4.2 | 1.3 5.3 | 1.8 5.0 | 2.1 NA | | 2.2 NA |
| 60% MSCI ACWI / 40% Barclays Global Aggregate Domestic Equity Russell 3000 | 2.6 1.3 1.0 | -0.6 0.4 -0.3 | 3.8 11.4 11.1 | 4.0 10.8 11.0 | 4.5 6.7 6.9 | 5.7 NA 8.0 | 8/1/00 | 5.9 5.1 4.8 |
| International Developed Market Equity MSCI ACWI (ex. U.S.) | -2.4 -0.4 | -5.4 -9.2 | 3.6 0.3 | 3.5 0.3 | 2.4 1.9 | NA 4.5 | 8/1/00 | 4.4 3.2 |
| International Emerging Market Equity MSCI Emerging Markets | 8.3 5.7 | -10.5 -12.0 | -4.8 -4.5 | -2.3 -4.1 | NA 3.0 | NA 5.2 | 8/1/06 | 5.2 3.4 |
| Fixed Income Barclays Universal | 3.3 3.1 | 1.1 1.8 | 1.1 2.5 | 3.5 3.9 | 5.4 5.0 | NA 5.7 | 1/1/98 | 5.8 5.4 |
| Real Estate NCREIF ODCE | 2.2 2.4 | 11.6 14.2 | 12.1 13.6 | 11.9 13.2 | 5.8 6.1 | NA 9.0 | 10/1/00 | 7.7 13.7 |
| Private Equity ² MSCI ACWI+3% 1q Lag | 0.3 5.7 | 1.6 0.8 | 5.8 11.1 | 6.9 10.7 | 11.6 8.2 | NA 9.2 | 10/1/00 | 8.9 10.4 |
| Global Tactical Asset Allocation Spliced Benchmark ³ | 0.1 2.6 | -9.1 -1.6 | -2.9 -1.8 | 1.2 0.3 | NA 2.7 | NA 4.8 | 8/1/07 | 1.6 1.8 |
| Hedge Funds HFRI Fund of Funds Composite | -2.6 -2.5 | -7.2 -5.1 | 2.0 2.0 | 2.6 1.4 | 2.9 1.5 | NA 4.9 | 7/1/05 | 3.8 2.5 |
| Real Assets CPI (Inflation) + 3% | 5.9 1.4 | -0.4 3.9 | 2.6 3.8 | 3.2 4.3 | NA 4.8 | NA 5.2 | 10/1/06 | 2.5 4.7 |

¹ Custom Benchmark is composed of 23% Russell 3000, 22% MSCI ACWI ex US, 6% Cambridge Associates Fund of Funds Composites 1q lagged, 7% Barclays Aggregate, 6% Barclays High Yield, 3% blended benchmark compromised of 50% JPM EMBI GD 50% JPM GBI-EM, 6% Barclays US TIPS, 3% NCREIF Timberland, 10% NCREIF ODCE, 2% DJ Brookfield Global Infrastructure, 7% of a blended benchmark comprising 60% MSCI ACWI and 40% Barclays Global Aggregate Bond indices, 2% S&P North American Natural Resources Sector and 2% HFRI Fund of Funds Composite.

³ 60% MSCI ACWI and 40% Barclays Global Aggregate Bond indexes since June 2015, Barclay's US Tips 1-10 Year prior.



² Private market returns lagged one quarter

| | 1Q16 (%) | 1 YR (%) | 3 YR (%) | 5 YR (%) | 10 YR (%) | 20 YR (%) | Inception Date | Since Inception (%) |
|---|-------------|-------------|-------------|-------------|--------------|--------------|-------------------|---------------------------|
| Total Retirement System | 1.8 | -1.0 | 4.5 | 5.3 | 4.7 | 7.1 | 10/1/95 | 7.3 |
| Net of Fees | 1.7 | -1.2 | 4.3 | 5.1 | 4.5 | 6.9 | | 7.0 |
| CPI (inflation) | 0.7 | 0.9 | 0.8 | 1.3 | 1.8 | 2.1 | | 2.2 |
| Custom Benchmark - Target Allocation ¹ | 1.8 | -3.6 | 4.2 | 5.3 | 5.0 | NA | | NA |
| 60% MSCI ACWI / 40% Barclays Global Aggregate | 2.6 | -0.6 | 3.8 | 4.0 | 4.5 | 5.7 | | 5.9 |
| Domestic Equity | 1.3 | 0.4 | 11.4 | 10.8 | 6.7 | NA | 8/1/00 | 5.1 |
| SSgA S&P 500 Index | 1.4 | 1.9 | 11.9 | 11.6 | 7.1 | NA | 8/1/98 | 5.5 |
| S&P 500 | 1.3 | 1.8 | 11.8 | 11.6 | 7.0 | 8.0 | | 5.5 |
| SSgA Russell 1000 Growth Index | 0.8 | 2.5 | 13.6 | 12.4 | NA | NA | 11/1/09 | 14.8 |
| Russell 1000 Growth | 0.7 | 2.5 | 13.6 | 12.4 | 8.3 | 7.4 | | 14.8 |
| SSgA Russell 1000 Value Index | 1.7 | -1.4 | 9.5 | 10.3 | 5.8 | NA | 7/1/05 | 6.4 |
| Russell 1000 Value | 1.6 | -1.5 | 9.4 | 10.2 | 5.7 | 8.3 | | 6.4 |
| LMCG Small Cap Value | 4.6 | 0.7 | 9.2 | 8.4 | NA | NA | 11/1/09 | 12.9 |
| Russell 2000 Value | 1.7 | -7.7 | 5.7 | 6.7 | 4.4 | 9.1 | | 11.7 |
| SSgA S&P Midcap 400 Index | 3.8 | -3.6 | 9.5 | 9.6 | NA | NA | 9/1/06 | 8.7 |
| S&P MidCap | 3.8 | -3.6 | 9.5 | 9.5 | 7.8 | 11.1 | | 8.7 |
| Nichols Small Cap Growth | -3.1 | -14.6 | NA | NA | NA | NA | 2/1/15 | -5.0 |
| Russell 2000 Growth | -4.7 | -11.8 | 7.9 | 7.7 | 6.0 | 5.8 | | -3.3 |

¹ Custom Benchmark is compromised of 23% Russell 3000, 22% MSCI ACWI ex US, 6% Cambridge Associates Fund of Funds Composites 1q lagged, 7% Barclays Aggregate, 6% Barclays High Yield, 3% blended benchmark compromised of 50% JPM EMBI GD 50% JPM GBI-EM, 6% Barclays US TIPS, 3% NCREIF Timberland, 10% NCREIF ODCE, 2% DJ Brookfield Global Infrastructure, 7% of a blended benchmark compromising of 60% MSCI ACWI and 40% Barclays Global Aggregate Bond indices, 2% S&P North American Natural Resources Sector and 2% HFRI Fund of Funds Composite.



| | 1Q16 (%) | 1 YR (%) | 3 YR (%) | 5 YR (%) | 10 YR (%) | 20 YR (%) | Inception Date | Since Inception (%) |
|---|--------------|----------------|--------------|--------------|--------------|--------------|-------------------|---------------------------|
| International Developed Market Equity | -2.4 | -5.4 | 3.6 | 3.5 | 2.4 | NA | 8/1/00 | 4.4 |
| SSgA MSCI EAFE Index ¹ MSCI EAFE | -2.9 -3.0 | -8.0 -8.3 | 2.5 2.2 | 2.6 2.3 | 2.1 1.8 | NA 4.1 | 9/1/04 | 5.3 5.0 |
| Acadian Non-U.S. Small Cap Equity MSCI EAFE Small Cap | -0.1 -0.6 | 7.2 3.2 | 8.5 7.3 | 7.5 5.6 | 4.3 3.4 | NA NA | 2/1/05 | 7.7 6.0 |
| International Emerging Market Equity | 8.3 | -10.5 | -4.8 | -2.3 | NA | NA | 8/1/06 | 5.2 |
| Lazard Emerging Markets Equity MSCI Emerging Markets | 8.9 5.7 | -10.0 -12.0 | -4.9 -4.5 | -2.4 -4.1 | NA 3.0 | NA 5.2 | 8/1/06 | 5.1 3.4 |
| Dimensional Emerging Markets MSCI Emerging Markets | 7.3 5.7 | -10.4 -12.0 | -3.9 -4.5 | NA -4.1 | NA 3.0 | NA 5.2 | 3/1/13 | -3.7 -4.9 |
| Fixed Income | 3.3 | 1.1 | 1.1 | 3.5 | 5.4 | NA | 1/1/98 | 5.8 |
| IR&M Aggregate Bond Barclays Aggregate | 3.2 3.0 | 2.0 2.0 | NA 2.5 | NA 3.8 | NA 4.9 | NA 5.6 | 2/1/14 | 4.1 3.7 |
| IR&M Intermediate TIPS Barclays U.S. TIPS 1-10 Year | 3.6 3.6 | 1.9 1.8 | NA -0.7 | NA 1.9 | NA 4.0 | NA NA | 2/1/14 | 1.3 1.2 |
| Lazard Emerging Market Debt Blend 50% JPM EMBI GD 50% JPM GBI-EM | 6.9 8.0 | -1.3 1.3 | NA -1.7 | NA 2.1 | NA NA | NA NA | 8/1/13 | -1.7 0.4 |

¹ SSgA MSCI EAFE index fund performance is based on the aggregate of the daily liquidity fund and the semi-monthly liquidity fund.



| | 1Q16 (%) | 1 YR (%) | 3 YR (%) | 5 YR (%) | 10 YR (%) | 20 YR (%) | Inception Date | Since Inception (%) |
|--|-------------|-------------|-------------|-------------|--------------|--------------|-------------------|---------------------------|
| Fixed Income (continued) | 3.3 | 1.1 | 1.1 | 3.5 | 5.4 | NA | 1/1/98 | 5.8 |
| Loomis Sayles Bank Loan | 1.5 | 1.4 | 2.7 | 3.9 | 4.0 | NA | 10/1/05 | 4.1 |
| S&P LSTA Leveraged Loan Index "BB" | 1.8 | 1.6 | 2.7 | 3.6 | 3.7 | NA | | 3.8 |
| Loomis Sayles High Yield Full Discretion | 2.0 | -5.2 | 2.0 | 4.3 | 7.2 | 7.9 | 1/1/96 | 7.8 |
| Barclays High Yield | 3.4 | -3.7 | 1.8 | 4.9 | 7.0 | 6.8 | | 6.8 |
| Private Debt (lagged one qtr.) | 1.7 | 18.1 | 10.6 | 9.2 | 8.0 | 8.7 | 10/1/05 | 8.4 |
| Real Estate | 2.2 | 11.6 | 12.1 | 11.9 | 5.8 | NA | 10/1/00 | 7.7 |
| Open-End Real Estate | 2.0 | 11.3 | 11.9 | 11.3 | 4.8 | NA | 1/1/99 | 7.2 |
| PRIT Real Estate ¹ | 2.6 | 11.1 | 12.6 | 12.2 | NA | NA | 4/1/10 | 13.0 |
| NCREIF ODCE | 2.2 | 13.7 | 13.6 | 13.3 | 6.4 | 9.4 | | 14.4 |
| NCREIF ODCE Equal Weighted | 2.5 | 14.2 | 13.6 | 13.2 | 6.1 | 9.0 | | 14.3 |
| Custom Benchmark ² | 3.2 | 11.9 | 12.6 | 12.5 | NA | NA | | 13.9 |
| INVESCO Core Real Estate USA | 1.5 | 12.7 | 13.1 | 12.8 | 6.3 | NA | 4/1/06 | 6.3 |
| NCREIF ODCE | 2.2 | 13.7 | 13.6 | 13.3 | 6.4 | 9.4 | | 6.4 |
| NCREIF ODCE Equal Weighted | 2.5 | 14.2 | 13.6 | 13.2 | 6.1 | 9.0 | | 6.1 |
| NCREIF Property | 2.2 | 11.8 | 11.9 | 12.0 | 7.6 | 9.9 | | 7.6 |
| Non-Core Real Estate (lagged one qtr) | 5.8 | 16.0 | 17.3 | 19.5 | 17.8 | NA | 10/1/05 | 12.7 |

² Custom Benchmark is composed of 80% NCREIF ODCE, 10% NAREIT Equity and 10% FTSE EPRA NAREIT Developed ex. U.S. REIT.



¹ PRIT Real Estate inception date shown is based on the first full quarter invested.

| | 1Q16 (%) | 1 YR (%) | 3 YR (%) | 5 YR (%) | 10 YR (%) | 20 YR (%) | Inception Date | Since Inception (%) |
|---|-------------|-------------|-------------|-------------|--------------|--------------|-------------------|---------------------------|
| Private Equity (lagged one qtr.) | 0.3 | 1.6 | 5.8 | 6.9 | 11.6 | NA | 10/1/00 | 8.9 |
| Buyouts | 0.8 | 5.8 | 5.9 | 8.0 | 11.5 | NA | 10/1/05 | 11.5 |
| Venture Capital Funds | 0.4 | -8.0 | 5.9 | 4.5 | 7.7 | NA | 10/1/05 | 7.6 |
| Fund of Funds | 0.4 | -1.8 | 2.3 | 2.3 | 8.7 | NA | 10/1/05 | 11.0 |
| MSCI ACWI +3% 1q Lag | 5.7 | 0.8 | 11.1 | 10.7 | 8.2 | 9.2 | 10/1/05 | 10.4 |
| Global Tactical Asset Allocation | 0.1 | -9.2 | -2.9 | 1.1 | NA | NA | 8/1/07 | 1.5 |
| William Blair Macro Allocation Strategy | 0.1 | NA | NA | NA | NA | NA | 6/1/15 | -11.4 |
| 60% MSCI ACWI / 40% Barclays Global Aggregate | 2.6 | -0.6 | 3.8 | 4.0 | 4.5 | 5.7 | | -1.9 |
| 90-Day T-Bills | 0.1 | 0.1 | 0.0 | 0.1 | 1.1 | 2.4 | | 0.1 |
| Hedge Funds | -2.5 | -7.2 | 2.0 | 2.6 | 2.9 | NA | 7/1/05 | 3.8 |
| PRIT Hedge Fund | -2.5 | -7.2 | NA | NA | NA | NA | 7/1/13 | 2.5 |
| HFRI Fund of Funds Composite | -2.5 | -5.1 | 2.0 | 1.4 | 1.5 | 4.9 | | 2.1 |
| Real Assets | 5.9 | -0.4 | 2.6 | 3.2 | NA | NA | 10/1/06 | 2.5 |
| Timber (lagged one qtr.) | 4.0 | 1.2 | 2.6 | 2.3 | 2.0 | NA | 10/1/05 | 2.4 |
| Natural Resources (Public) | 9.1 | -17.4 | -10.4 | NA | NA | NA | 5/1/11 | -10.3 |
| SSGA S&P Large MidCap Natural Resource Index | 9.1 | -17.4 | -10.4 | NA | NA | NA | 5/1/11 | -10.3 |
| S&P Global Large MidCap Commodity and Resources | 9.2 | -17.1 | -10.4 | -9.8 | 2.1 | NA | | -10.4 |
| Natural Resources (Private; lagged one qtr.) | -4.5 | -27.0 | -10.0 | 9.7 | NA | NA | 7/1/10 | 7.9 |
| Infrastructure Aggregate | 22.7 | 63.3 | 36.6 | 24.8 | NA | NA | 6/1/08 | 15.2 |

