## Investment Results Public Employees' Defined Benefit Pension Plan

|  | 5 Year <br> Ended 12/31/15 | 3 Year <br> Ended 12/31/15 | 1 Year <br> Ended 12/31/15 | Quarter <br> Ended 12/31/15 |
| :---: | :---: | :---: | :---: | :---: |
| Total Fund |  |  |  |  |
| PERS | 7.37\% | 8.19\% | 0.40\% | 2.84\% |
| Actuarial Earnings Rate | 8.00\% | 8.00\% | 8.00\% |  |
| U.S. Common Stock Returns |  |  |  |  |
| PERS Domestic Equities | 11.90\% | 14.86\% | 0.73\% | 5.90\% |
| Custom Composite Index | 12.18\% | 14.74\% | 0.48\% | 6.27\% |
| Fixed Income |  |  |  |  |
| PERS | 2.22\% | 0.35\% | -0.70\% | -0.58\% |
| Custom Composite Index | 2.20\% | 0.55\% | 0.13\% | -0.97\% |
| Real Assets |  |  |  |  |
| PERS | 9.40\% | 8.08\% | 1.65\% | 1.78\% |
| Custom Composite Index | 9.65\% | 8.34\% | 6.78\% | 2.14\% |
| International Stock Returns |  |  |  |  |
| PERS International Equities | 2.33\% | 3.65\% | -3.36\% | 3.86\% |
| MSCI ACWI ex-US | 1.51\% | 1.94\% | -5.25\% | 3.30\% |
| Private Equity |  |  |  |  |
| PERS | 15.01\% | 16.05\% | 9.54\% | -0.34\% |
| Custom Composite Index | 8.53\% | 10.66\% | -1.26\% | 5.12\% |
| Absolute Return |  |  |  |  |
| PERS | 4.34\% | 6.16\% | 1.59\% | 1.44\% |
| 3-month Treasury Bill +5\% | 5.07\% | 5.05\% | 5.05\% | 1.26\% |
| Alternative Equity |  |  |  |  |
| PERS |  | 6.24\% | 0.22\% | 3.28\% |
| Custom Composite Index |  | 6.90\% | 0.48\% | 4.02\% |
| Cash Equivalents |  |  |  |  |
| PERS | 0.33\% | 0.26\% | 0.35\% | 0.08\% |
| 3-month Treasury Bill | 0.07\% | 0.05\% | 0.05\% | 0.03\% |

Returns for periods longer than one year are reported on an annualized basis.

# Investment Results <br> Teachers' Defined Benefit Pension Plan 

|  | 5 Year <br> Ended 12/31/15 | 3 Year <br> Ended 12/31/15 | 1 Year <br> Ended 12/31/15 | Quarter Ended 12/31/15 |
| :---: | :---: | :---: | :---: | :---: |
| Total Fund |  |  |  |  |
| TRS | 7.41\% | 8.21\% | 0.41\% | 2.85\% |
| Actuarial Earnings Rate | 8.00\% | 8.00\% | 8.00\% |  |
| U.S. Common Stock Returns |  |  |  |  |
| TRS Domestic Equities | 11.90\% | 14.86\% | 0.74\% | 5.90\% |
| Custom Composite Index | 12.18\% | 14.74\% | 0.48\% | 6.27\% |
| Fixed Income |  |  |  |  |
| TRS | 2.21\% | 0.35\% | -0.69\% | -0.58\% |
| Custom Composite Index | 2.20\% | 0.55\% | 0.13\% | -0.97\% |
| Real Assets |  |  |  |  |
| TRS | 9.50\% | 8.13\% | 1.66\% | 1.79\% |
| Custom Composite Index | 9.65\% | 8.34\% | 6.78\% | 2.14\% |
| International Stock Returns |  |  |  |  |
| TRS International Equities | 2.34\% | 3.66\% | -3.34\% | 3.86\% |
| MSCI ACWI ex-US | 1.51\% | 1.94\% | -5.25\% | 3.30\% |
| Private Equity |  |  |  |  |
| TRS | 15.02\% | 16.04\% | 9.54\% | -0.34\% |
| Custom Composite Index | 8.53\% | 10.66\% | -1.26\% | 5.12\% |


| Absolute Return |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| TRS | $4.34 \%$ | $6.16 \%$ | $1.59 \%$ | $1.44 \%$ |
| 3-month Treasury Bill +5\% | $5.07 \%$ | $5.05 \%$ | $5.05 \%$ | $1.26 \%$ |
|  |  |  |  |  |
| Alternative Equity |  | $0.23 \%$ | $3.28 \%$ |  |
| TRS |  | $0.48 \%$ | $4.02 \%$ |  |
| Custom Composite Index |  |  |  |  |
| Cash Equivalents | $0.32 \%$ | $0.25 \%$ | $0.34 \%$ | $0.08 \%$ |
| TRS | $0.07 \%$ | $0.05 \%$ | $0.05 \%$ | $0.03 \%$ |

# Investment Results <br> Judicial Defined Benefit Pension Plan 

|  | 5 Year <br> Ended <br> 12/31/15 | 3 Year <br> Ended <br> 12/31/15 | 1 Year Ended 12/31/15 | Quarter Ended 12/31/15 |
| :---: | :---: | :---: | :---: | :---: |
| Total Fund |  |  |  |  |
| JRS | 7.36\% | 8.18\% | 0.41\% | 2.85\% |
| Actuarial Earnings Rate | 8.00\% | 8.00\% | 8.00\% |  |
| U.S. Common Stock Returns |  |  |  |  |
| JRS Domestic Equities | 11.87\% | 14.86\% | 0.73\% | 5.90\% |
| Custom Composite Index | 12.18\% | 14.74\% | 0.48\% | 6.27\% |
| Fixed Income |  |  |  |  |
| JRS | 2.22\% | 0.35\% | -0.70\% | -0.58\% |
| Custom Composite Index | 2.20\% | 0.55\% | 0.13\% | -0.97\% |
| Real Assets |  |  |  |  |
| JRS | 9.31\% | 8.04\% | 1.69\% | 1.82\% |
| Custom Composite Index | 9.65\% | 8.34\% | 6.78\% | 2.14\% |
| International Stock Returns |  |  |  |  |
| JRS International Equities | 2.33\% | 3.64\% | -3.37\% | 3.86\% |
| MSCI ACWI ex-US | 1.51\% | 1.94\% | -5.25\% | 3.30\% |
| Private Equity |  |  |  |  |
| JRS | 14.99\% | 16.05\% | 9.54\% | -0.34\% |
| Custom Composite Index | 8.53\% | 10.66\% | -1.26\% | 5.12\% |


| Absolute Return |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| JRS | $4.34 \%$ | $6.16 \%$ | $1.58 \%$ | $1.44 \%$ |
| 3-month Treasury Bill +5\% | $5.07 \%$ | $5.05 \%$ | $5.05 \%$ | $1.26 \%$ |

Alternative Equity

| JRS |  | $0.22 \%$ | $3.28 \%$ |
| :--- | :--- | :--- | :--- |
| Custom Composite Index |  | $0.48 \%$ | $4.02 \%$ |
| Cash Equivalents |  |  |  |
| JRS | $0.32 \%$ | $0.25 \%$ | $0.34 \%$ |
| 3-month Treasury Bill | $0.07 \%$ | $0.05 \%$ | $0.05 \%$ |

## Investment Results Military Defined Benefit Pension Plan

|  | 5 Year <br> Ended 12/31/15 | 3 Year <br> Ended 12/31/15 | 1 Year <br> Ended 12/31/15 | Quarter <br> Ended 12/31/15 |
| :---: | :---: | :---: | :---: | :---: |
| Total Fund |  |  |  |  |
| MRS | 4.95\% | 5.21\% | -0.22\% | 2.14\% |
| Actuarial Earnings Rate | 7.00\% | 7.00\% | 7.00\% |  |
| U.S. Common Stock Returns |  |  |  |  |
| MRS Domestic Equities | 11.88\% | 14.87\% | 0.78\% | 5.91\% |
| Custom Composite Index | 12.18\% | 14.74\% | 0.48\% | 6.27\% |
| Domestic Fixed Income |  |  |  |  |
| MRS | 2.12\% | 0.50\% | 0.16\% | -0.72\% |
| Custom Composite Index | 2.55\% | 0.54\% | 0.13\% | -0.91\% |
| International Stock Returns |  |  |  |  |
| MRS International Equities | 2.65\% | 3.68\% | -3.34\% | 3.87\% |
| MSCI ACWI ex-US | 1.51\% | 1.94\% | -5.25\% | 3.30\% |

