



# Second Quarter 2014 Investment Performance Analysis

Richard M. Charlton, Chairman and CEO Christopher Levell, ASA, CFA, CAIA, Partner Douglas Moseley, Partner Benjamin Pittsley, Analyst

255 State Street, Boston, MA 02109 | TEL: 617.374.1300 | FAX: 617.374.1313 | www.nepc.com BOSTON | ATLANTA | CHARLOTTE | CHICAGO | DETROIT | LAS VEGAS | SAN FRANCISCO

|  | <u>Tab</u> |
|--|------------|
| NEPC Update                                  | 1          |
| Market Review                                | 2          |
| State Teachers' Retirement System            | 3          |
| State Employees' Retirement System           | 4          |
| State Municipal Employees' Retirement System | 5          |
| City of Burlington                           | 6          |
| VPIC Allocation Comparison                   | 7          |
| Manager Characteristics                      | 8          |
| Appendix                                     | 9          |







# **NEPC UPDATES**

Second Quarter 2014

# Highlights of Second Quarter Happenings at NEPC

#### **NEPC Research**

#### **Recent White Papers Posted**

- 2Q Market Thoughts "Is It the Beginning of the End or the End of the Beginning? The Next Chapter for Growth Assets" (April 2014)
- The Endowment Model: Striking the Balance Between Simple & Complex (May 2014) - Scott F. Perry, CAIA, Partner
- Hangover Redux: The Impact of Capital Overhang on Private Equity Investing (May 2014) - Melissa Mendenhall, Consultant, Private Markets Research

|  | Sould F. Perry, CAIA, Par<br>Adver Watson, Au  |
|--|--|
| Networkshifts<br>The densates meng many well and mail state<br>for densates and another security and<br>densates of the second state of the<br>densates of the second state of the<br>densates of the second state of the<br>second state of the second state of the<br>second state of the second state of the<br>second states of the second states of t | Does reach, aquestify in the next term have<br>balled internet distance among insolution<br>of the second distance of the second distance<br>among the second distance of the second<br>among term of the second distance of the<br>second distance of the second distance<br>in second distance of the second distance<br>of the second distance and the second distance<br>distance distance of the second distance<br>distance distance of the second distance<br>distance distance distance distance distance distance<br>distance distance distance distance distance distance<br>distance distance distance distance distance<br>distance distance distance distance distance distance distance distance<br>distance distance distance distance distance distance distance<br>distance distance distance distance distance distance distance<br>distance distance di distance distance distance distance<br>distance distance distance |
| Endimented Hadde. Same Idioved Win path on-<br>the heads of very accreted of reads from sense al.<br>We top robugs and colorarisms, Neurosci,<br>reason reading have some Dedoestments<br>geneticizing the velocity of the approximation in<br>simple to (24 no very the Dedoested superior<br>multip to 16 and 4 no very the Dedoested<br>performs, departed for some produced outputs<br>performs, departed for some produced to the 2015<br>IdSC20D-Commond will 2014 of the consolt of the 2015  | program garanting th other constant the follows<br>lary distributions:<br>Findeling garantines situations<br>Dedicated and stable investment shelf<br>Long-term time between<br>Idedicated action manager risk budget<br>Devent man distribution shockers  |
| (Edition of<br>Exhibits & MacCORD Providements<br>Amountand Robust<br>1 View 21<br>Extensional Ann   | au af June 50, 1013  |

#### **NEPC** News

NEPC is pleased to announce the selection of MSCI's BarraOne and HedgePlatform for risk management and reporting. "This broader relationship with MSCI will provide NEPC with leading risk tools for both total plan risk and hedge fund risk. We are particularly excited about the plans to integrate the InvestorForce Reporting platform with BarraOne," noted Dan Kelly, Chief Operating Officer of NEPC.

### **Professional Staff Updates**

#### **New Client Strategy Team**

- Provides high level Research and Consulting Services to all practice areas and develops sophisticated client Research. The team offers a centralized senior level resource pool for all clients that require expertise in asset allocation, defined contribution and alternative assets.
- Led by Chris Levell, ASA, CFA, CAIA, Partner focusing on asset allocation.
- Supported by **Ross Bremen, CFA, Partner** (Defined Contribution) and Sean Gill, CFA, CAIA, Partner (Alternative Assets).

#### **NEPC Supports Principles** for Responsible Investment



NEPC is proud to announce that we have become a signatory and partner with Principles for Responsible Investment initiative (PRI). The United Nations-supported Principles for Responsible Investment (PRI) Initiative is an international network of investors working together to put the six Principles for Responsible Investment into practice. Its goal is to understand the implications of sustainability for investors and support signatories to incorporate these issues into their investment decision making and ownership practices. The PRI Initiative has quickly become the leading global network for investors to publicly demonstrate their commitment to responsible investment, to collaborate and learn with their peers about the financial and investment implications of ESG issues, and to incorporate these factors into their investment decision making and ownership practices. For more information on PRI, please visit <u>http://www.unpri.org/</u>.





- Volatility for nearly all asset classes remains historically low as major asset class returns pushed higher during the quarter
- A revision of first quarter US GDP growth to -2.9% was mostly shrugged off by markets that have assumed a strong rebound for the second quarter
- Investors continue to digest the Fed's planned tapering of bond purchases and viewed Fed policy statements as relatively dovish
- The ECB's move to cut its main lending rate and impose a negative excess deposit rate for banks was met with tepid investor reaction
- Broad fixed income assets continued to rally as appetite for yield pushed high yield spreads to post-crises lows
- Emerging market assets continued their recovery as large investor inflows returned to equity and debt markets
- Instability in Iraq and Ukraine attracted a fair share of global headlines with modest market impact other than a spike in oil prices



#### • Global Equities

- US stocks advanced in the second quarter, repeatedly reaching record highs as investors overlooked Q1 economic weakness, welcomed Q2 economic strength, and embraced stillaccommodative central bank policy.
- Large cap stocks outperformed small cap stocks, with the S&P 500 Index returning +5.2% versus +2.1% for the Russell 2000 Index.
- International equities gained +4.1% in the second quarter, according to the MSCI EAFE Index, underperforming domestic and emerging markets.
- Emerging markets rallied to a 12-month high, with the MSCI Emerging Markets Index returning +6.6% for the quarter. Returns were bolstered by improving conditions in the Ukraine, positive election results in India, and better economic conditions in China.

#### • Global Fixed Income

- Fixed income investments rallied with interest rate and credit assets benefiting from yieldhungry investors and markets digesting relatively dovish monetary policy statements.
- The 10-year Treasury yield fell almost 20 basis points during the quarter, finishing at 2.5%.
- Despite record new supply, investment grade credit posted strong performance, with spreads narrowing 7 basis points to 96 basis points.
- The US Credit Index gained +2.7% and the Long Duration Credit Index returned +5.0% in the second quarter.
- High yield bonds returned +2.4%, aided by the decline in Treasury yields and a tightening of credit spreads.
- Emerging market debt has been a clear winner in the first half of the year following a challenging 2013. Local and external currency debt, as measured by the JP Morgan GBI-EM Index and JP Morgan EMBI+, had a stellar second quarter, returning +4.0% and +5.8%, respectively.



### Second Quarter 2014 Market Review

### Commodity Markets

- Commodities posted modest gains in the second quarter with the Dow Jones UBS essentially flat while the GSCI returned +2.7%.
- Poor weather conditions in the growing regions, combined with severe cold weather, sparked supply related rallies earlier in the quarter in corn and natural gas before reversing course and trading downward during the second half of the quarter.
- Tensions in the Middle East pushed energy prices higher while record low livestock inventories in the US caused cattle prices to spike.

### • Hedge Funds

- Hedge Funds gained +1.9% for the second quarter, according to the Credit Suisse Hedge Fund Composite, compared to +5.2% for the S&P 500 and +2.0% for the Barclays Aggregate.
- Most hedge fund strategies were in the black, with the exception of short-biased equity and some relative value strategies, with the Credit Suisse Dedicated Short Biases Index finishing down -2.3% for the quarter. Credit Suisse Convertible Arbitrage and Equity Market Neutral posted losses of -0.1% and -0.3%, respectively.
- The Credit Suisse Global Macro Index was up +1.6% and the Credit Suisse Managed Futures Index gained +5.1% as many systematic managers were able to capture trends in the equity and bond markets.
- Within sectors, technology and healthcare specialists continue to struggle, finishing flat in the second quarter, although still on positive ground so far this year.



### Second Quarter 2014 Market Review

### • Private Markets

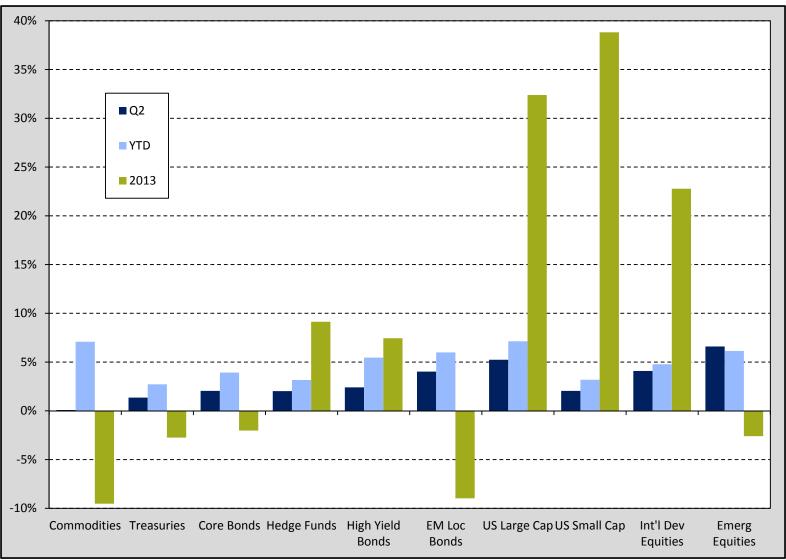
- New private equity commitments totaled \$173.1 billion in the first half of the year, putting 2014 on track to be the fifth straight year of increasing commitments.
- Buyout and growth equity funds raised \$88.5 billion in the first half of 2014, with mega buyout firms accounting for 31% of all buyout/growth funds.
- Venture Capital raised \$27.2 billion, with funds raised in the first half of 2014 nearly matching the 2013 total of \$27.7 billion of new VC funds.
- Mezzanine funds, facing competition from senior and unitranche lenders, raised only \$5.2 billion.
- Secondary funds raised \$14.5 billion, eclipsing the 2013 funding total of \$13.2 billion, as a wave of large funds start to closings.

#### Real Estate

- NEPC remains neutral on core real estate in the US, positive on non-core real estate strategies such as value-add and opportunistic, and neutral on debt strategies (both in US and Europe).
- The main concerns for US core real estate (and US real estate, broadly) continue to be plentiful capital that is driving up pricing, and the market's expectation for higher future interest rates and their impact on capitalization rates and capital values.



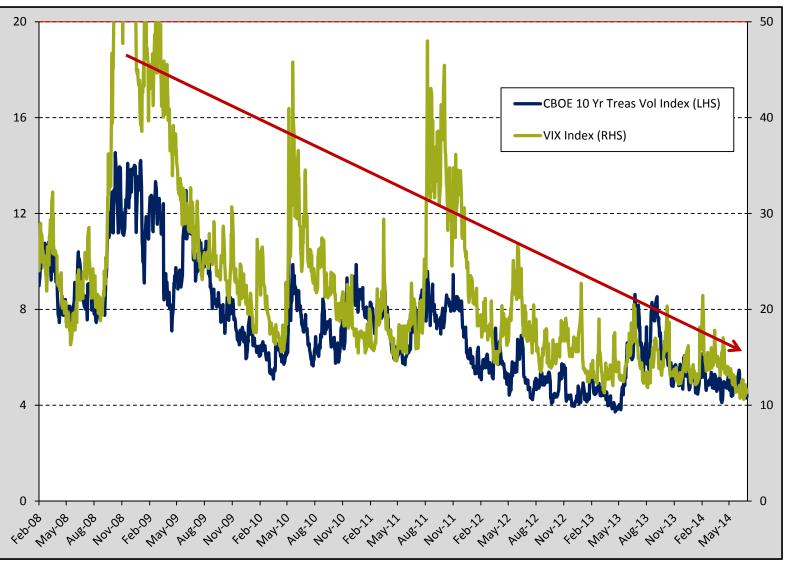
## Broad Market Indices are Mostly Positive in 2014



Source: Bloomberg as of 6/30



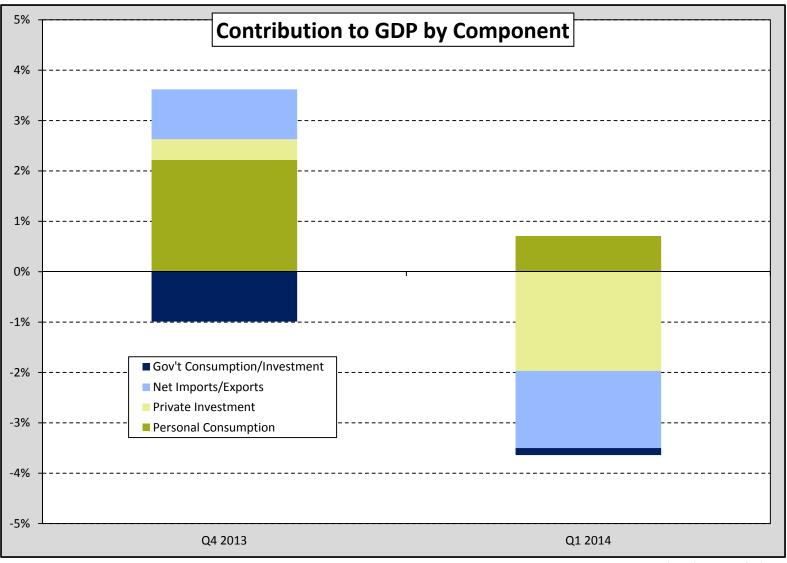
# Amid a Backdrop of Persistent Low Volatility



Source: Bloomberg as of 6/30



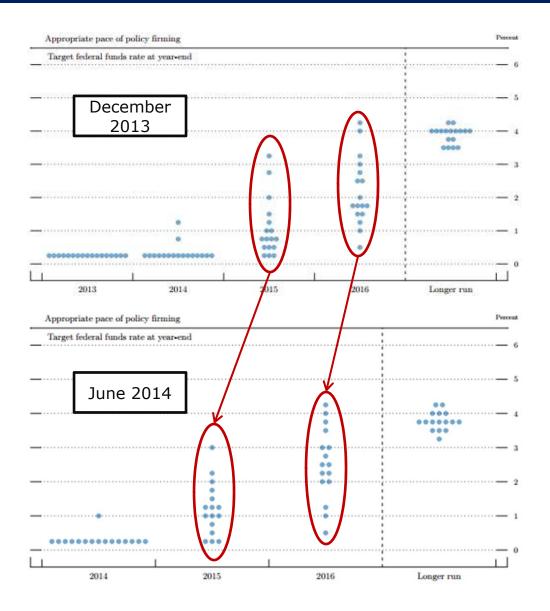
While US Second Quarter GDP Growth was Revised to -2.9%...



Source: Bloomberg as of 6/30



## Uncertainty Regarding the Pace of Fed Policy Firming Remains

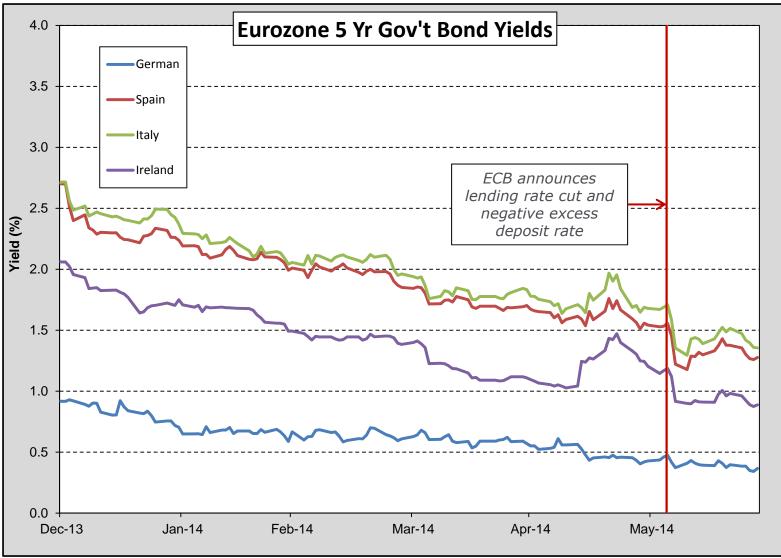


- Fed has delivered relatively unified messages on the pace of taper and thoughts on US economy
- However, significant uncertainty remains on pace of raising the target Fed funds rate
- Though markets expect rates to rise, pace and path are unclear

Each shaded circle represents the value (rounded to the nearest ¼ percentage point) of an individual participant's judgment of the appropriate level of target federal funds rate at the end of the specified year or over the long run

Source: Federal Reserve

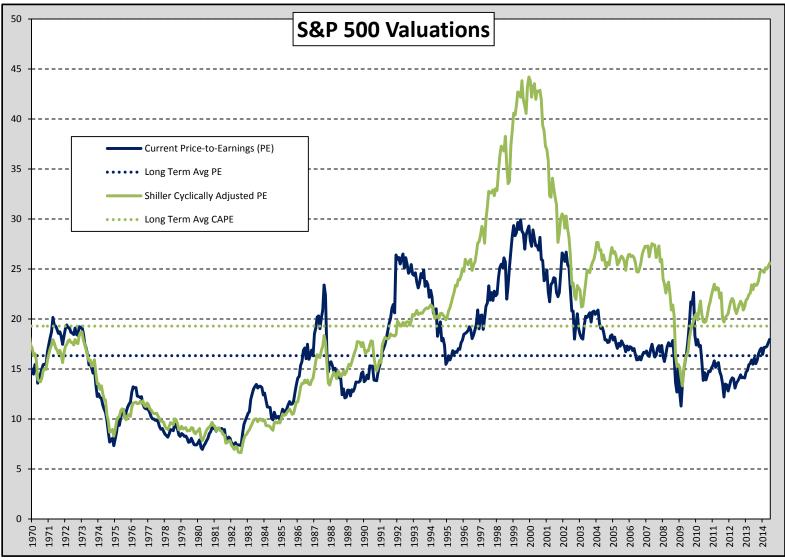
## Meanwhile the ECB Has Initiated Stimulatory Measures



Source: Bloomberg as of 6/30



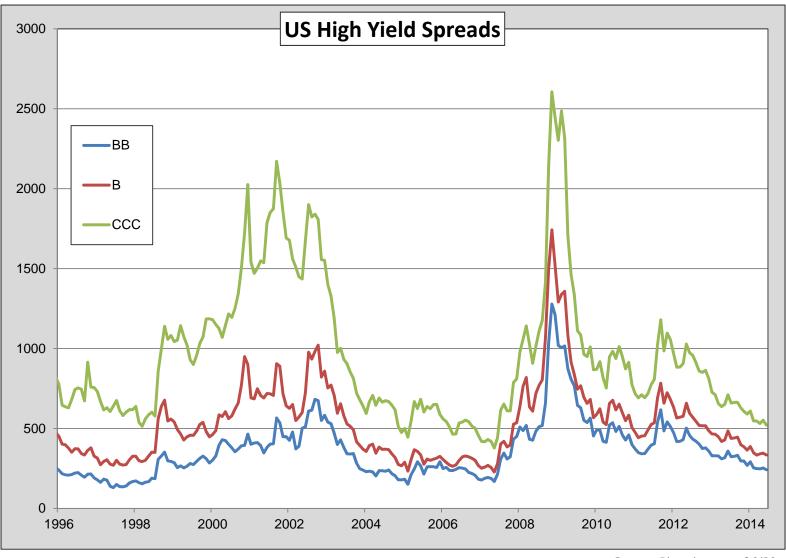
# Equity Valuations are Trending above Long-Term Averages



Source: Bloomberg as of 6/30, Long-term averages since 1954



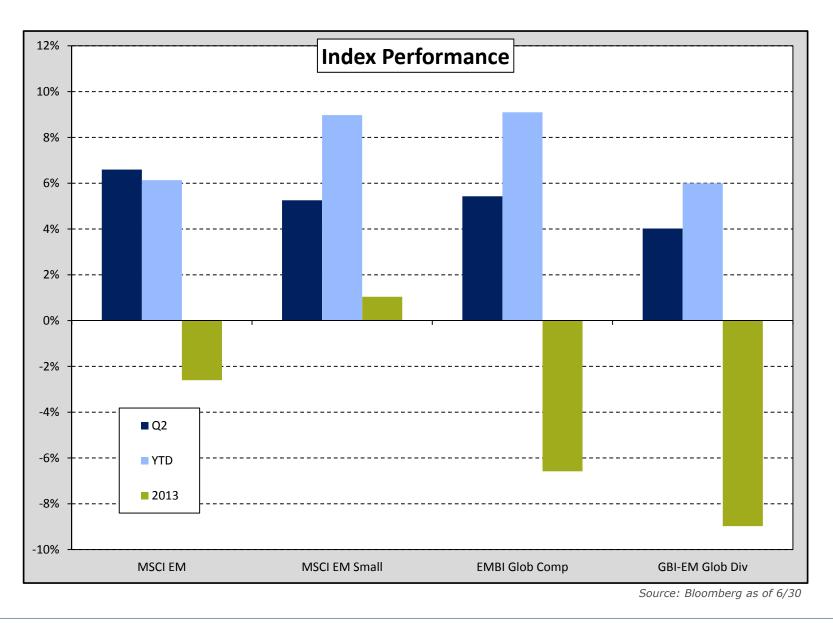
# Spreads Have Tightened to Pre-Crises Levels as Investor Demand Persists



Source: Bloomberg as of 6/30

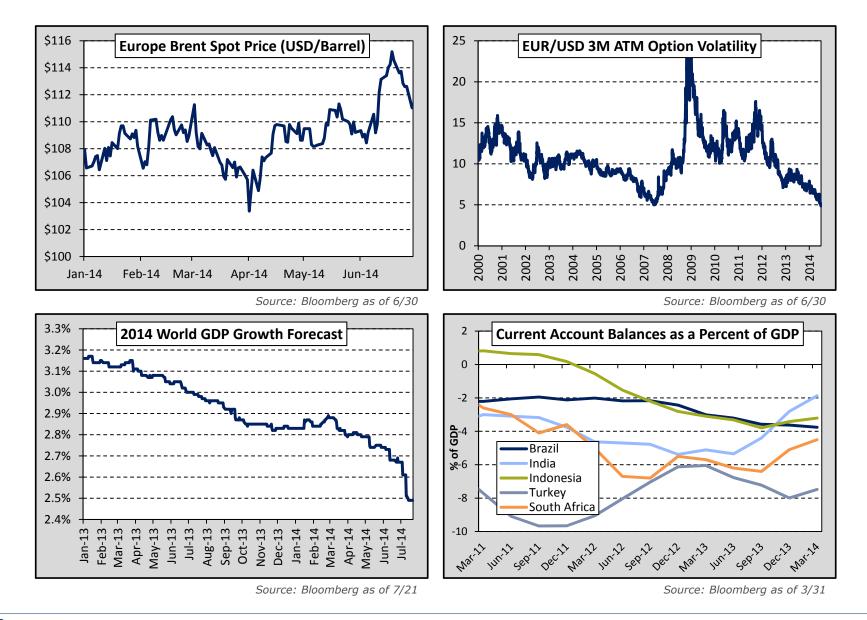


# And Emerging Markets Rebounded Off a Lackluster 2013





### But Significant Macro Uncertainties Loom



- Interpreting and understanding the low volatility environment is a key challenge
  - Low volatility can persist for long periods as a tailwind to markets but can also lead to complacency as excesses build in capital markets
  - Assess portfolio risk exposure and determine reasonable levels of portfolio liquidity and dry powder for future opportunities

### • Persistent low volatility may obscure underlying economic risks

- Global growth expectations remain subdued and deflation
- EM balance of payment concerns remain as some countries slow the pace of reforms
- China growth softens as credit growth continues to expand
- Geopolitical risks pushing oil prices higher

# • As taper of QE concludes, potential for increased volatility as markets seek visibility into the Fed's monetary policy for 2015

### • Valuations across many asset classes appear stretched

- Excluding EM, equity P-E ratios are above long-term averages
- Credit spreads continue to tighten globally from insatiable demand

### • NEPC themes remain consistent

- Investors would be wise to rebalance to policy targets and maintain portfolio risk balance
- Allocate to emerging markets and private markets for higher returns in a low return world
- Look for opportunities to be dynamic particularly in credit markets



# Returns for Key Indicies Ranked in Order of Performance

| 2000                                  | 2001                                 | 2002                                 | 2003                                 | 2004                                 | 2005                                 | 2006                                 | 2007                                 | 2008                                  | 2009                                 | 2010                                 | 2011                                  | 2012                                 | 2013                                 | QTD                                 | 3 year                               | 5 Year                              | 10 Year                              |
|---------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-------------------------------------|--------------------------------------|-------------------------------------|--------------------------------------|
| RUSSELL<br>2000 VALUE<br>22.83        | RUSSELL<br>2000 VALUE<br>14.03       | BC<br>AGGREGATE<br>10.25             | MSCI<br>EMERGING<br>MARKETS<br>55.82 | MSCI<br>EMERGING<br>MARKETS<br>25.55 | MSCI<br>EMERGING<br>MARKETS<br>34.54 | MSCI<br>EMERGING<br>MARKETS<br>32.17 | MSCI<br>EMERGING<br>MARKETS<br>39.39 | BC<br>AGGREGATE<br>5.24               | MSCI<br>EMERGING<br>MARKETS<br>78.51 | RUSSELL<br>2000<br>GROWTH<br>29.09   | BC<br>AGGREGATE<br>7.84               | MSCI<br>EMERGING<br>MARKETS<br>18.22 | RUSSELL<br>2000<br>GROWTH<br>43.30   | MSCI<br>EMERGING<br>MARKETS<br>6.60 | RUSSELL<br>1000 VALUE<br>16.91       | RUSSELL<br>2000<br>GROWTH<br>20.50  | MSCI<br>EMERGING<br>MARKETS<br>11.94 |
| BC<br>AGGREGATE<br>11.63              | BC<br>AGGREGATE<br>8.44              | MSCI<br>EMERGING<br>MARKETS<br>-6.17 | RUSSELL<br>2000<br>GROWTH<br>48.54   | RUSSELL<br>2000 VALUE<br>22.25       | MSCI EAFE<br>13.54                   | MSCI EAFE<br>26.34                   | RUSSELL<br>1000<br>GROWTH<br>11.81   | RUSSELL<br>2000 VALUE<br>-28.92       | RUSSELL<br>1000<br>GROWTH<br>37.21   | RUSSELL<br>2000<br>26.85             | RUSSELL<br>1000<br>GROWTH<br>2.64     | RUSSELL<br>2000 VALUE<br>18.05       | RUSSELL<br>2000<br>38.82             | S&P 500<br>5.23                     | RUSSELL<br>1000<br>16.62             | RUSSELL<br>2000<br>20.21            | RUSSELL<br>2000<br>GROWTH<br>9.04    |
| RUSSELL<br>1000 VALUE<br>7.01         | RUSSELL<br>2000<br>2.49              | RUSSELL<br>2000 VALUE<br>-11.43      | RUSSELL<br>2000<br>47.25             | MSCI EAFE<br>20.25                   | RUSSELL<br>1000 VALUE<br>7.05        | RUSSELL<br>1000 VALUE<br>22.25       | MSCI EAFE<br>11.17                   | RUSSELL<br>2000<br>-33.79             | RUSSELL<br>2000<br>GROWTH<br>34.47   | RUSSELL<br>2000 VALUE<br>24.5        | S&P 500<br>2.11                       | RUSSELL<br>1000 VALUE<br>17.51       | RUSSELL<br>2000 VALUE<br>34.52       | RUSSELL<br>1000<br>GROWTH<br>5.13   | S&P 500<br>16.58                     | RUSSELL<br>2000 VALUE<br>19.88      | RUSSELL<br>2000<br>8.70              |
| RUSSELL<br>2000<br>-3.02              | MSCI<br>EMERGING<br>MARKETS<br>-2.62 | RUSSELL<br>1000 VALUE<br>-15.52      | RUSSELL<br>2000 VALUE<br>46.03       | RUSSELL<br>2000<br>18.33             | RUSSELL<br>1000<br>6.27              | RUSSELL<br>2000 VALUE<br>23.48       | RUSSELL<br>2000<br>GROWTH<br>7.06    | RUSSELL<br>1000 VALUE<br>-36.85       | MSCI EAFE<br>31.78                   | MSCI<br>EMERGING<br>MARKETS<br>18.88 | RUSSELL<br>1000<br>1.50               | MSCI EAFE<br>17.32                   | RUSSELL<br>1000<br>GROWTH<br>33.48   | RUSSELL<br>1000<br>5.12             | RUSSELL<br>1000<br>GROWTH<br>16.26   | RUSSELL<br>1000<br>19.25            | RUSSELL<br>2000 VALUE<br>8.24        |
| RUSSELL<br>1000<br>-7.79              | RUSSELL<br>1000 VALUE<br>-5.59       | MSCI EAFE<br>-15.94                  | MSCI EAFE<br>38.59                   | RUSSELL<br>1000 VALUE<br>16.49       | RUSSELL<br>1000<br>GROWTH<br>5.26    | RUSSELL<br>2000<br>18.37             | BC<br>AGGREGATE<br>6.97              | S&P 500<br>-37.0                      | RUSSELL<br>1000<br>28.43             | RUSSELL<br>1000<br>GROWTH<br>16.71   | RUSSELL<br>1000 VALUE<br>0.39         | RUSSELL<br>1000<br>16.42             | RUSSELL<br>1000<br>33.11             | RUSSELL<br>1000 VALUE<br>5.10       | RUSSELL<br>2000 VALUE<br>14.64       | RUSSELL<br>1000<br>GROWTH<br>19.24  | RUSSELL<br>1000<br>GROWTH<br>8.20    |
| S&P 500<br>-9.10                      | RUSSELL<br>2000<br>GROWTH<br>-9.23   | RUSSELL<br>2000<br>-20.48            | RUSSELL<br>1000 VALUE<br>30.03       | RUSSELL<br>2000<br>GROWTH<br>14.31   | S&P 500<br>4.91                      | S&P 500<br>15.8                      | RUSSELL<br>1000<br>5.77              | RUSSELL<br>1000<br>- 37.6             | RUSSELL<br>2000<br>27.16             | RUSSELL<br>1000<br>16.10             | RUSSELL<br>2000<br>GROWTH<br>-2.91    | RUSSELL<br>2000<br>16.35             | RUSSELL<br>1000 VALUE<br>32.53       | MSCI EAFE<br>4.09                   | RUSSELL<br>2000<br>14.56             | RUSSELL<br>1000 VALUE<br>19.23      | RUSSELL<br>1000<br>8.19              |
| MSCI EAFE<br>-14.17                   | S&P 500<br>-11.88                    | RUSSELL<br>1000<br>-21.65            | RUSSELL<br>1000<br>29.89             | RUSSELL<br>1000<br>11.40             | RUSSELL<br>2000 VALUE<br>4.71        | RUSSELL<br>1000<br>15.46             | S&P 500<br>5.49                      | RUSSELL<br>1000<br>GROWTH<br>-38.44   | S&P 500<br>26.46                     | RUSSELL<br>1000 VALUE<br>15.51       | RUSSELL<br>2000<br>-4.18              | S&P 500<br>16.00                     | S&P 500<br>32.39                     | RUSSELL<br>2000 VALUE<br>2.38       | RUSSELL<br>2000<br>GROWTH<br>14.49   | S&P 500<br>18.84                    | RUSSELL<br>1000 VALUE<br>8.03        |
| RUSSELL<br>1000<br>GROWTH<br>-22.42   | RUSSELL<br>1000<br>-12.45            | S&P 500<br>-22.1                     | RUSSELL<br>1000<br>GROWTH<br>29.75   | S&P 500<br>10.88                     | RUSSELL<br>2000<br>4.55              | RUSSELL<br>2000<br>GROWTH<br>13.35   | RUSSELL<br>1000 VALUE<br>-0.17       | RUSSELL<br>2000<br>GROWTH<br>-38.54   | RUSSELL<br>2000 VALUE<br>20.58       | S&P 500<br>15.06                     | RUSSELL<br>2000 VALUE<br>-5.50        | RUSSELL<br>1000<br>GROWTH<br>15.26   | MSCI EAFE<br>22.78                   | RUSSELL<br>2000<br>2.05             | MSCI EAFE<br>8.10                    | MSCI EAFE<br>11.77                  | S&P 500<br>7.78                      |
| RUSSELL<br>2000<br>GROWTH<br>-22.43   | RUSSELL<br>1000<br>GROWTH<br>-20.42  | RUSSELL<br>1000<br>GROWTH<br>-27.89  | S&P 500<br>28.69                     | RUSSELL<br>1000<br>GROWTH<br>6.30    | RUSSELL<br>2000<br>GROWTH<br>4.15    | RUSSELL<br>1000<br>GROWTH<br>9.07    | RUSSELL<br>2000<br>-1.56             | MSCI EAFE<br>-43.38                   | RUSSELL<br>1000 VALUE<br>19.69       | MSCI EAFE<br>7.75                    | MSCI EAFE<br>-12.14                   | RUSSELL<br>2000<br>GROWTH<br>14.59   | BC<br>AGGREGATE<br>-2.02             | BC<br>AGGREGATE<br>2.04             | BC<br>AGGREGATE<br>3.66              | MSCI<br>EMERGING<br>MARKETS<br>9.24 | MSCI EAFE<br>6.93                    |
| MSCI<br>EMERGING<br>MARKETS<br>-30.83 | MSCI EAFE<br>-21.44                  | RUSSELL<br>2000<br>GROWTH<br>-30.26  | BC<br>AGGREGATE<br>4.10              | BC<br>AGGREGATE<br>4.34              | BC<br>AGGREGATE<br>2.43              | BC<br>AGGREGATE<br>4.33              | RUSSELL<br>2000 VALUE<br>-9.78       | MSCI<br>EMERGING<br>MARKETS<br>-53.33 | BC<br>AGGREGATE<br>5.93              | BC<br>AGGREGATE<br>6.54              | MSCI<br>EMERGING<br>MARKETS<br>-18.42 | BC<br>AGGREGATE<br>4.21              | MSCI<br>EMERGING<br>MARKETS<br>-2.60 | RUSSELL<br>2000<br>GROWTH<br>1.72   | MSCI<br>EMERGING<br>MARKETS<br>-0.39 | BC<br>AGGREGATE<br>4.85             | BC<br>AGGREGATE<br>4.93              |

# Investment Market Update: As of July 31, 2014

#### PERFORMANCE THROUGH 7/31/2014

| Sector             | Index                          | <u>2008</u> | <u>2009</u> | <u>2010</u> | <u>2011</u> | <u>2012</u> | <u>2013</u> | <u>Q1</u> | <u>Q2</u> | JUL   | <u>2014</u> |
|--------------------|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|-----------|-------|-------------|
| Treasury STRIPS    | Barclays US Strips 20+ Yr      | 59.5%       | -36.0%      | 10.9%       | 58.5%       | 3.0%        | -21.0%      | 12.7%     | 7.8%      | 1.4%  | 23.2%       |
| REITS              | Wilshire US REIT               | -39.2%      | 28.6%       | 28.6%       | 9.2%        | 17.6%       | 1.9%        | 10.1%     | 7.2%      | 0.1%  | 18.2%       |
| Long Govt/Credit   | Barclays US Govt/Credit Long   | 8.4%        | 1.9%        | 10.2%       | 22.5%       | 8.8%        | -8.8%       | 6.6%      | 4.9%      | 0.3%  | 12.2%       |
| Long Credit        | Barclays US Long Credit        | -3.9%       | 16.8%       | 10.7%       | 17.1%       | 12.7%       | -6.6%       | 6.3%      | 5.0%      | 0.2%  | 11.9%       |
| Emerging Equities  | MSCI EM                        | -53.3%      | 78.5%       | 18.9%       | -18.4%      | 18.2%       | -2.6%       | -0.4%     | 6.6%      | 1.9%  | 8.2%        |
| EMD USD            | Barclays EM USD Agg            | -14.7%      | 34.2%       | 12.8%       | 7.0%        | 17.9%       | -4.1%       | 2.8%      | 4.5%      | -0.1% | 7.3%        |
| Large Cap Value    | Russell 1000 Value             | -36.8%      | 19.7%       | 15.5%       | 0.4%        | 17.5%       | 32.5%       | 3.0%      | 5.1%      | -1.7% | 6.4%        |
| Municipal Bonds    | Barclays Municipal             | -2.5%       | 12.9%       | 2.4%        | 10.7%       | 6.8%        | -2.6%       | 3.3%      | 2.6%      | 0.2%  | 6.2%        |
| Large Cap          | S&P 500                        | -37.0%      | 26.5%       | 15.1%       | 2.1%        | 16.0%       | 32.4%       | 1.8%      | 5.2%      | -1.4% | 5.7%        |
| Large Cap          | Russell 1000                   | -37.6%      | 28.4%       | 16.1%       | 1.5%        | 16.4%       | 33.1%       | 2.0%      | 5.1%      | -1.6% | 5.5%        |
| EMD Local          | JPM GBI EM Glob Div            | -5.2%       | 22.0%       | 15.7%       | -1.8%       | 16.8%       | -9.0%       | 1.9%      | 4.0%      | -1.1% | 4.9%        |
| Large Cap Growth   | Russell 1000 Growth            | -38.4%      | 37.2%       | 16.7%       | 2.6%        | 15.3%       | 33.5%       | 1.1%      | 5.1%      | -1.5% | 4.7%        |
| Diversified        | Diversified*                   | -24.5%      | 24.1%       | 13.5%       | 1.3%        | 12.7%       | 17.6%       | 2.1%      | 3.8%      | -1.4% | 4.5%        |
| High Yield         | Barclays US Corp HY            | -26.2%      | 58.2%       | 15.1%       | 5.0%        | 15.8%       | 7.4%        | 3.0%      | 2.4%      | -1.3% | 4.1%        |
| Global Bonds       | Citi WGBI                      | 10.9%       | 2.6%        | 5.2%        | 6.4%        | 1.6%        | -4.0%       | 2.7%      | 2.3%      | -0.9% | 4.0%        |
| Core Bonds         | Barclays US Agg Bond           | 5.2%        | 5.9%        | 6.5%        | 7.8%        | 4.2%        | -2.0%       | 1.8%      | 2.0%      | -0.3% | 3.7%        |
| Int'l Developed    | MSCI EAFE                      | -43.4%      | 31.8%       | 7.8%        | -12.1%      | 17.3%       | 22.8%       | 0.7%      | 4.1%      | -2.0% | 2.7%        |
| Interm Core Bonds  | Barclays US Agg Interm         | 4.9%        | 6.5%        | 6.1%        | 6.0%        | 3.6%        | -1.0%       | 1.2%      | 1.6%      | -0.3% | 2.5%        |
| Interm Govt/Credit | Barclays US Govt/Credit Interm | 5.1%        | 5.2%        | 5.9%        | 5.8%        | 3.9%        | -0.9%       | 1.0%      | 1.2%      | -0.2% | 2.0%        |
| Commodities        | Bloomberg Commodity            | -35.6%      | 18.9%       | 16.8%       | -13.3%      | -1.1%       | -9.5%       | 7.0%      | 0.1%      | -5.0% | 1.7%        |
| Govt/Credit        | Barclays Govt/Credit 1-5 Yr    | 5.1%        | 4.6%        | 4.1%        | 3.1%        | 2.2%        | 0.3%        | 0.4%      | 0.7%      | -0.2% | 0.9%        |
| SMID Cap           | Russell 2500                   | -36.8%      | 34.4%       | 26.7%       | -2.5%       | 17.9%       | 36.8%       | 2.3%      | 3.6%      | -4.9% | 0.7%        |
| Govt/Credit        | Barclays US Govt/Credit 1-3 Yr | 5.0%        | 3.8%        | 2.8%        | 1.6%        | 1.3%        | 0.6%        | 0.2%      | 0.3%      | -0.1% | 0.5%        |
| Small Cap Value    | Russell 2000 Value             | -28.9%      | 20.6%       | 24.5%       | -5.5%       | 18.1%       | 34.5%       | 1.8%      | 2.4%      | -6.0% | -2.1%       |
| Small Cap          | Russell 2000                   | -33.8%      | 27.2%       | 26.9%       | -4.2%       | 16.3%       | 38.8%       | 1.1%      | 2.0%      | -6.1% | -3.1%       |
| Small Cap Growth   | Russell 2000 Growth            | -38.5%      | 34.5%       | 29.1%       | -2.9%       | 14.6%       | 43.3%       | 0.5%      | 1.7%      | -6.1% | -4.0%       |

\* 35% LC, 10% SC, 12% Intl Equity, 3% Emerging Equity, 25% Core Bonds, 5% HY, 5% Global Bonds, 5% REITS

Source: Morningstar Direct



# State Municipal Employees' Retirement System



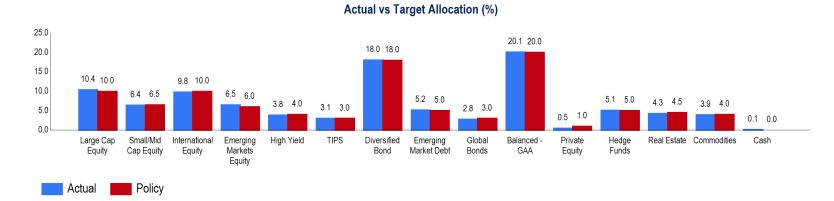
## Total Fund Performance Summary

|                                      | Market Value  | 3 Mo | Rank | YTD  | Rank | 1 Yr  | Rank | 3 Yrs | Rank | 5 Yrs | Rank |
|--------------------------------------|---------------|------|------|------|------|-------|------|-------|------|-------|------|
| Municipal Composite                  | \$522,532,252 | 4.0% | 21   | 6.7% | 3    | 14.6% | 72   | 8.5%  | 79   | 12.7% | 39   |
| Policy Index                         |               | 3.3% | 68   | 5.2% | 47   | 13.4% | 92   | 7.3%  | 95   | 10.2% | 85   |
| Allocation Index                     |               | 3.3% | 68   | 5.1% | 53   | 13.4% | 92   | 7.3%  | 95   | 10.7% | 79   |
| InvestorForce Public DB Gross Median |               | 3.5% |      | 5.2% |      | 16.0% |      | 9.5%  |      | 12.3% |      |

| 3 Years Ending June 30, 2014 |   |    |       |    |      |    |      |    |  |  |
|------------------------------|---|----|-------|----|------|----|------|----|--|--|
|                              | Anlzd Ret Rank Anlzd Std Dev Rank Sharpe Ratio Rank Sortino Ratio RF Rank |    |       |    |      |    |      |    |  |  |
| Municipal Composite          | 8.46%   | 79 | 7.34% | 38 | 1.15 | 70 | 1.67 | 39 |  |  |
| Policy Index                 | 7.28%   | 95 | 7.04% | 30 | 1.03 | 89 | 1.40 | 80 |  |  |
| Allocation Index             | 7.28%   | 95 | 6.99% | 29 | 1.03 | 89 | 1.37 | 81 |  |  |

#### 5 Years Ending June 30, 2014

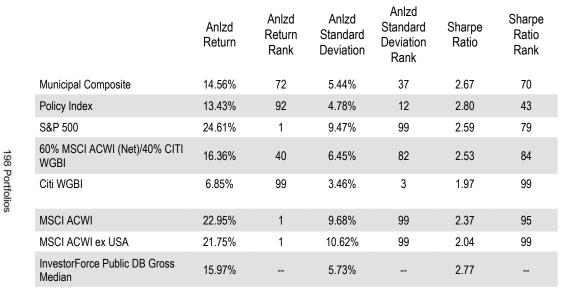
|                     | Anlzd Ret | Rank | Anlzd Std Dev | Rank | Sharpe Ratio | Rank | Sortino Ratio RF | Rank |
|---------------------|-----------|------|---------------|------|--------------|------|------------------|------|
| Municipal Composite | 12.68%    | 39   | 8.09%         | 49   | 1.56         | 32   | 2.49             | 27   |
| Policy Index        | 10.25%    | 85   | 7.56%         | 36   | 1.35         | 86   | 2.13             | 70   |
| Allocation Index    | 10.65%    | 79   | 7.78%         | 39   | 1.36         | 84   | 2.17             | 63   |





25.0 20.0 15.0 Annualized Return 10.0 1 5.0 0.0 2.0 3.0 4.0 0.0 5.0 6.0 7.0 8.0 9.0 1.0 Annualized Standard Deviation Municipal Composite 

#### 1 Years Ending June 30, 2014

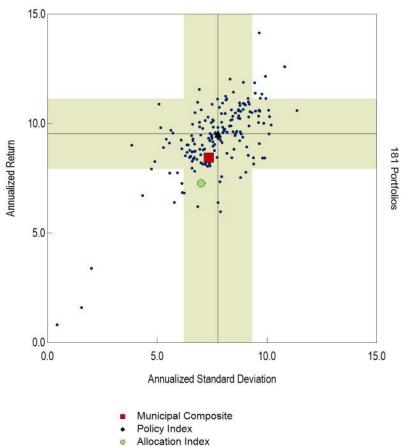


1 Year Ending June 30, 2014

- Policy Index
- Allocation Index
- Universe Median
- 68% Confidence Interval
- InvestorForce Public DB Gross



3 Years Ending June 30, 2014



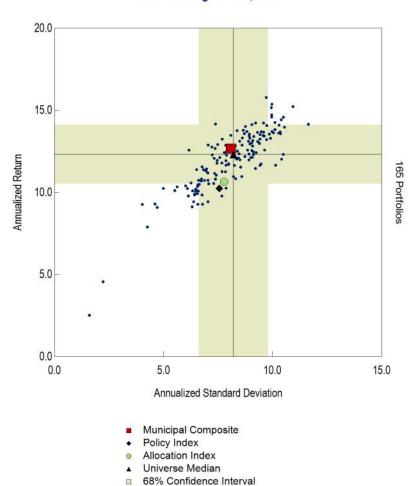
| 3 Years Er | nding Jun                               | ie 30, 2014 |       |
|------------|---|-------------|-------|
|            | ام ــــــــــــــــــــــــــــــــــــ | A ا ما      | Anlzd |

|  |   | Anlzd<br>Return | Anlzd<br>Return<br>Rank | Anlzd<br>Standard<br>Deviation | Anlzd<br>Standard<br>Deviation<br>Rank | Sharpe<br>Ratio | Sharpe<br>Ratio<br>Rank |
|--|---|-----------------|-------------------------|--------------------------------|--|-----------------|-------------------------|
|  | Municipal Composite                     | 8.46%           | 79                      | 7.34%                          | 38                                     | 1.15            | 70                      |
|  | Policy Index                            | 7.28%           | 95                      | 7.04%                          | 30                                     | 1.03            | 89                      |
|  | S&P 500                                 | 16.58%          | 1                       | 12.26%                         | 99                                     | 1.35            | 24                      |
|  | 60% MSCI ACWI (Net)/40% CITI<br>WGBI    | 6.95%           | 95                      | 9.12%                          | 83                                     | 0.76            | 99                      |
|  | Citi WGBI                               | 1.57%           | 99                      | 4.46%                          | 3                                      | 0.34            | 99                      |
|  | MSCI ACWI                               | 10.25%          | 30                      | 14.27%                         | 99                                     | 0.71            | 99                      |
|  | MSCI ACWI ex USA                        | 5.73%           | 99                      | 16.57%                         | 99                                     | 0.34            | 99                      |
|  | InvestorForce Public DB Gross<br>Median | 9.54%           |                         | 7.77%                          |  | 1.21            |                         |
|  |   |                 |                         |                                |  |                 |                         |

- Universe Median ۸
- 68% Confidence Interval
- InvestorForce Public DB Gross •



5 Years Ending June 30, 2014



InvestorForce Public DB Gross

•

|                                      | Anlzd<br>Return | Anlzd<br>Return<br>Rank | Anlzd<br>Standard<br>Deviation | Anlzd<br>Standard<br>Deviation<br>Rank | Sharpe<br>Ratio | Sharpe<br>Ratio<br>Rank |
|--------------------------------------|-----------------|-------------------------|--------------------------------|--|-----------------|-------------------------|
| Municipal Composite                  | 12.68%          | 39                      | 8.09%                          | 49                                     | 1.56            | 32                      |
| Policy Index                         | 10.25%          | 85                      | 7.56%                          | 36                                     | 1.35            | 86                      |
| S&P 500                              | 18.83%          | 1                       | 13.40%                         | 99                                     | 1.40            | 75                      |
| 60% MSCI ACWI (Net)/40% CITI<br>WGBI | 10.16%          | 87                      | 10.01%                         | 92                                     | 1.01            | 99                      |
| Citi WGBI                            | 3.60%           | 99                      | 5.87%                          | 6                                      | 0.60            | 99                      |
| MSCI ACWI                            | 14.28%          | 5                       | 15.01%                         | 99                                     | 0.95            | 99                      |

73

--

16.90%

8.21%

99

---

0.65

1.48

11.11%

12.32%

#### 5 Years Ending June 30, 2014



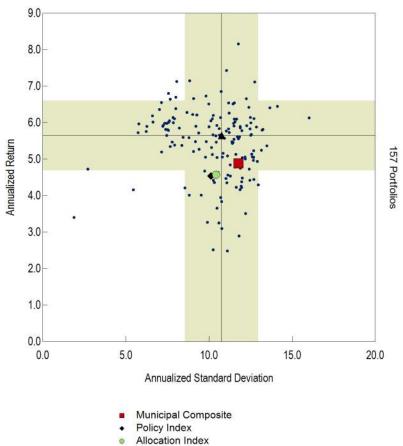
99

Median

MSCI ACWI ex USA

InvestorForce Public DB Gross

#### 7 Years Ending June 30, 2014



| 7 Yea | rs Ending Ju | une 30, 2014 | 4                |
|-------|--------------|--------------|------------------|
| Anlzd | Anlzd        | Anlzd        | Anlzd<br>Standar |

|  |   | Anlzd<br>Return | Anlzd<br>Return<br>Rank | Anlzd<br>Standard<br>Deviation | Anlzd<br>Standard<br>Deviation<br>Rank | Sharpe<br>Ratio | Sharpe<br>Ratio<br>Rank |
|--|---|-----------------|-------------------------|--------------------------------|--|-----------------|-------------------------|
|  | Municipal Composite                     | 4.89%           | 77                      | 11.76%                         | 73                                     | 0.37            | 77                      |
|  | Policy Index                            | 4.54%           | 83                      | 10.11%                         | 37                                     | 0.40            | 72                      |
|  | S&P 500                                 | 6.16%           | 18                      | 16.92%                         | 99                                     | 0.33            | 89                      |
|  | 60% MSCI ACWI (Net)/40% CITI<br>WGBI    | 4.56%           | 82                      | 12.55%                         | 89                                     | 0.32            | 90                      |
|  | Citi WGBI                               | 5.47%           | 58                      | 7.08%                          | 7                                      | 0.70            | 17                      |
|  | MSCI ACWI                               | 3.24%           | 98                      | 19.05%                         | 99                                     | 0.14            | 99                      |
|  | MSCI ACWI ex USA                        | 1.27%           | 99                      | 21.44%                         | 99                                     | 0.03            | 99                      |
|  | InvestorForce Public DB Gross<br>Median | 5.65%           |                         | 10.75%                         |  | 0.47            |                         |
|  |   |                 |                         |                                |  |                 |                         |

- Universe Median ۸
- 68% Confidence Interval
- InvestorForce Public DB Gross •



10.0 9.0 8.0 7.0 6.0 Annualized Return 141 Portfolios 5.0 4.0 3.0 2.0 1.0-0.0 0.0 5.0 15.0 10.0 Annualized Standard Deviation Municipal Composite Policy Index ٠

10 Years Ending June 30, 2014

#### 10 Years Ending June 30, 2014

|   | Anlzd<br>Return | Anlzd<br>Return<br>Rank | Anlzd<br>Standard<br>Deviation | Anlzd<br>Standard<br>Deviation<br>Rank | Sharpe<br>Ratio | Sharpe<br>Ratio<br>Rank |
|---|-----------------|-------------------------|--------------------------------|--|-----------------|-------------------------|
| Municipal Composite                     | 6.97%           | 57                      | 10.22%                         | 69                                     | 0.53            | 76                      |
| Policy Index                            | 6.65%           | 76                      | 8.89%                          | 36                                     | 0.58            | 60                      |
| S&P 500                                 | 7.78%           | 15                      | 14.70%                         | 99                                     | 0.43            | 98                      |
| 60% MSCI ACWI (Net)/40% CITI<br>WGBI    | 6.74%           | 69                      | 10.99%                         | 88                                     | 0.48            | 92                      |
| Citi WGBI                               | 4.82%           | 99                      | 6.68%                          | 13                                     | 0.50            | 85                      |
| MSCI ACWI                               | 7.46%           | 30                      | 16.61%                         | 99                                     | 0.36            | 99                      |
| MSCI ACWI ex USA                        | 7.75%           | 16                      | 18.90%                         | 99                                     | 0.33            | 99                      |
| InvestorForce Public DB Gross<br>Median | 7.11%           |                         | 9.56%                          |  | 0.61            |                         |
|   |                 |                         |                                |  |                 |                         |

- Allocation Index 0
- Universe Median ٠
- 68% Confidence Interval
- InvestorForce Public DB Gross •



# Total Fund Asset Allocation vs. Policy Targets

6.6%

6.0%

4.5%

5.4%

| Policy | Current | Actual |   | Asset Allocation vs. Target |         |         |             |
|--------|---------|--------|---|-----------------------------|---------|---------|-------------|
|        | 4       |        |   | Current                     | Policy  | Current | Difference* |
| 10.0%  | 10.4%   | 10.8%  | Large Cap Equity                                  | \$54,205,120                | 10.00%  | 10.37%  | 0.37%       |
|        |         | 10.076 | Small/Mid Cap Equity                              | \$33,450,732                | 6.50%   | 6.40%   | -0.10%      |
|        |         |        | International Equity                              | \$51,112,345                | 10.00%  | 9.78%   | -0.22%      |
| 6.5%   | 6.4%    | 6.7%   | Emerging Markets Equity                           | \$33,987,864                | 6.00%   | 6.50%   | 0.50%       |
|        |         |        | High Yield  | \$20,085,494                | 4.00%   | 3.84%   | -0.16%      |
| 10.0%  | 9.8%    |        | TIPS  | \$16,038,085                | 3.00%   | 3.07%   | 0.07%       |
|        |         | 12.7%  | Diversified Bond                                  | \$94,118,211                | 18.00%  | 18.01%  | 0.01%       |
|        |         |        | Emerging Market Debt                              | \$27,013,189                | 5.00%   | 5.17%   | 0.17%       |
| 6.0%   | 6.5%    |        | Global Bonds                                      | \$14,642,263                | 3.00%   | 2.80%   | -0.20%      |
| 4.0%   | 3.8%    | 7.7%   | Balanced - GAA                                    | \$105,198,603               | 20.00%  | 20.13%  | 0.13%       |
| 3.0%   | 3.1%    |        | Private Equity                                    | \$2,459,416                 | 1.00%   | 0.47%   | -0.53%      |
| 0.070  | 3.1%    | 5.3%   | Hedge Funds                                       | \$26,834,931                | 5.00%   | 5.14%   | 0.14%       |
|        |         |        | Real Estate                                       | \$22,243,309                | 4.50%   | 4.26%   | -0.24%      |
|        |         | 4.3%   | Commodities                                       | \$20,456,404                | 4.00%   | 3.91%   | -0.09%      |
| 18.0%  | 18.0%   |        | Cash  | \$686,287                   |         | 0.13%   | 0.13%       |
|        |         |        | Total   | \$522,532,252               | 100.00% | 100.00% |             |
|        |         |        | *Difference between Policy and Current Allocation |                             |         |         |             |
| 5.0%   | 5.2%    | 22.7%  |   |                             |         |         |             |
| 3.0%   | +       |        |   |                             |         |         |             |
| 0.070  | 2.8%    |        |   |                             |         |         |             |



20.0%

1.0

4.5%

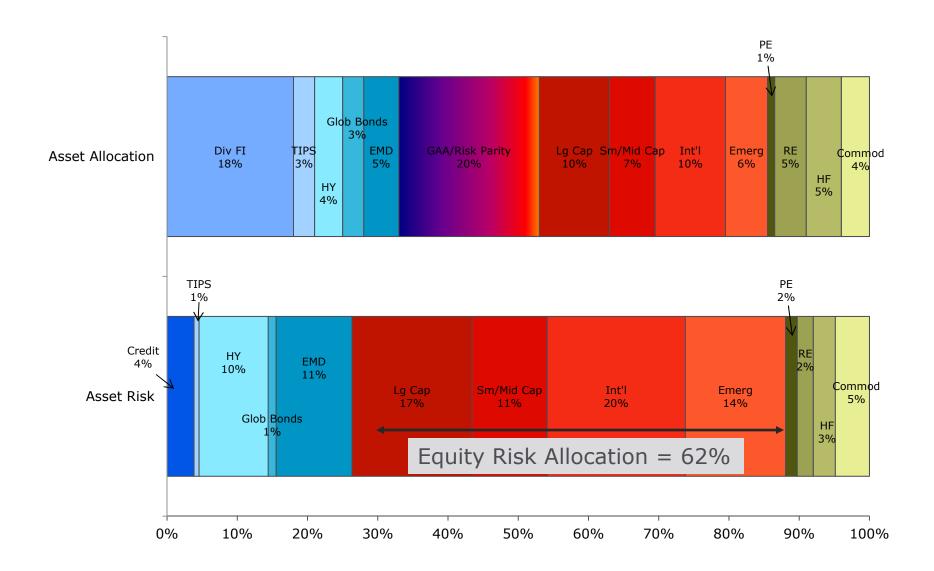
4.0%

20.1%

4.3% 3.9%

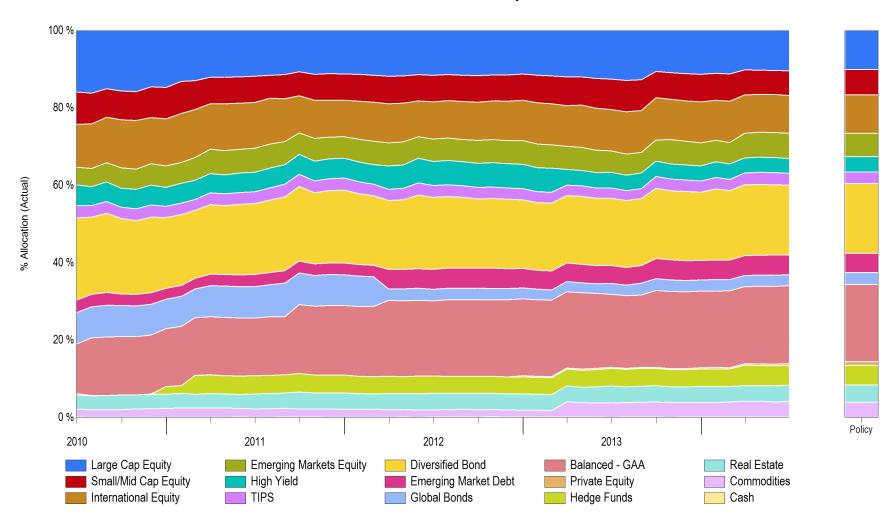
0.1%

### Total Fund Target Allocation vs. Asset Risk





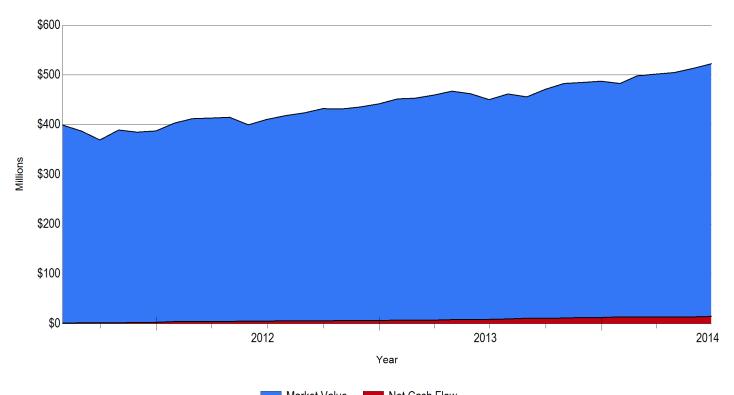
# Total Fund Asset Allocation History



Asset Allocation History



# Total Fund Asset Growth Summary



3 Years Ending June 30, 2014

Market Va

| et Value | Net Cash Flow |  |
|----------|---------------|--|
|          |               |  |

|                         | Last Three<br>Months | Year-To-Date  | Fiscal Year-To-Date | One Year      | Three Years    |
|-------------------------|----------------------|---------------|---------------------|---------------|----------------|
| Beginning Market Value  | \$501,679,641        | \$487,442,451 | \$450,402,096       | \$450,402,096 | \$396,503,827  |
| - Withdrawals           | -\$2,578,426         | -\$14,850,760 | -\$52,132,384       | -\$52,132,384 | -\$190,752,468 |
| + Contributions         | \$3,522,499          | \$17,168,529  | \$58,189,210        | \$58,189,210  | \$205,319,302  |
| = Net Cash Flow         | \$944,073            | \$2,317,769   | \$6,056,826         | \$6,056,826   | \$14,566,834   |
| + Net Investment Change | \$19,908,538         | \$32,772,032  | \$66,073,330        | \$66,073,330  | \$111,461,590  |
| = Ending Market Value   | \$522,532,252        | \$522,532,252 | \$522,532,252       | \$522,532,252 | \$522,532,252  |



# Total Fund Asset Growth Summary by Manager

|  | Quarter Ending June 30, 2014 |             |               |               |                          |                        |  |  |  |
|--|------------------------------|-------------|---------------|---------------|--------------------------|------------------------|--|--|--|
|  | Beginning<br>Market Value    | Withdrawals | Contributions | Net Cash Flow | Net Investment<br>Change | Ending<br>Market Value |  |  |  |
| Aberdeen                                     | \$31,901,055                 | \$0         | \$0           | \$0           | \$2,086,809              | \$33,987,864           |  |  |  |
| Acadian                                      | \$20,610,607                 | \$0         | \$0           | \$0           | \$808,587                | \$21,419,194           |  |  |  |
| Allianz Structured Alpha                     | \$12,642,346                 | \$0         | \$0           | \$0           | \$507,997                | \$13,150,343           |  |  |  |
| AQR Global Risk Premium                      | \$40,166,354                 | -\$500,000  | \$0           | -\$500,000    | \$3,183,956              | \$42,850,309           |  |  |  |
| BlackRock TIPS                               | \$15,444,223                 | \$0         | \$0           | \$0           | \$593,862                | \$16,038,085           |  |  |  |
| Champlain                                    | \$10,182,847                 | \$0         | \$256,600     | \$256,600     | \$446,250                | \$10,885,697           |  |  |  |
| GAM  | \$5,418,489                  | \$0         | \$0           | \$0           | \$78,489                 | \$5,496,978            |  |  |  |
| Grosvenor                                    | \$10,438,389                 | \$0         | \$0           | \$0           | \$137,834                | \$10,576,222           |  |  |  |
| Guggenheim                                   | \$15,013,104                 | \$0         | \$0           | \$0           | \$238,460                | \$15,251,564           |  |  |  |
| Harbourvest Dover VIII Fund                  | \$762,824                    | -\$23,273   | \$278,752     | \$255,479     | \$0                      | \$1,018,303            |  |  |  |
| Harbourvest Partners IX Buyout Fund          | \$532,125                    | \$0         | \$168,746     | \$168,746     | \$0                      | \$700,871              |  |  |  |
| Harbourvest Partners IX Credit Opportunities | \$102,031                    | \$0         | \$23,597      | \$23,597      | \$0                      | \$125,628              |  |  |  |
| Harbourvest Partners IX Venture Fund         | \$452,628                    | \$0         | \$161,986     | \$161,986     | \$0                      | \$614,615              |  |  |  |
| KDP  | \$4,743,173                  | -\$7,670    | \$0           | -\$7,670      | \$98,426                 | \$4,833,929            |  |  |  |
| Mellon Global Expanded Alpha                 | \$9,638,826                  | \$0         | \$0           | \$0           | \$420,777                | \$10,059,603           |  |  |  |
| Mondrian                                     | \$21,511,060                 | -\$795,460  | \$0           | -\$795,460    | \$1,160,822              | \$21,876,422           |  |  |  |
| Mondrian GFI                                 | \$14,358,492                 | \$0         | \$0           | \$0           | \$283,771                | \$14,642,263           |  |  |  |
| Morgan Stanley Prime Property                | \$9,402,691                  | -\$33,037   | \$0           | -\$33,037     | \$290,796                | \$9,660,451            |  |  |  |
| Permal                                       | \$10,509,909                 | \$0         | \$0           | \$0           | \$251,821                | \$10,761,730           |  |  |  |
| PIMCO All Asset                              | \$30,486,277                 | -\$69,707   | \$0           | -\$69,707     | \$1,384,314              | \$31,800,884           |  |  |  |
| PIMCO Core Plus                              | \$32,450,108                 | -\$600,000  | \$1,000,000   | \$400,000     | \$649,275                | \$33,499,383           |  |  |  |
| PIMCO Unconstrained                          | \$33,951,934                 | -\$200,000  | \$0           | -\$200,000    | \$583,393                | \$34,335,328           |  |  |  |
| RREEF America REIT III                       | \$2,821,930                  | -\$236,523  | \$0           | -\$236,523    | \$342,644                | \$2,928,051            |  |  |  |
| Schroder                                     | \$20,259,928                 | \$0         | \$0           | \$0           | \$196,476                | \$20,456,404           |  |  |  |
| Siguler Guff                                 |                              | \$0         | \$1,133,403   | \$1,133,403   | \$0                      | \$1,133,403            |  |  |  |
|  |                              |             |               |               |                          |                        |  |  |  |

# Total Fund Asset Growth Summary by Manager

|                              | Quarter Ending June 30, 2014 |              |               |               |                          |                        |  |  |  |  |  |
|------------------------------|------------------------------|--------------|---------------|---------------|--------------------------|------------------------|--|--|--|--|--|
|                              | Beginning<br>Market Value    | Withdrawals  | Contributions | Net Cash Flow | Net Investment<br>Change | Ending<br>Market Value |  |  |  |  |  |
| SSgA ACWI Ex US              | \$7,430,748                  | \$0          | \$0           | \$0           | \$385,980                | \$7,816,728            |  |  |  |  |  |
| SSgA Russell 2000 Growth     | \$8,021,278                  | \$0          | \$0           | \$0           | \$138,674                | \$8,159,951            |  |  |  |  |  |
| SSgA S&P 400                 | \$3,643,110                  | \$0          | \$0           | \$0           | \$157,376                | \$3,800,486            |  |  |  |  |  |
| SSgA S&P 500 Cap-Wgt         | \$23,925,417                 | \$0          | \$0           | \$0           | \$1,253,180              | \$25,178,598           |  |  |  |  |  |
| SSgA S&P 500 Equal-Wgt       | \$13,339,575                 | \$0          | \$0           | \$0           | \$727,586                | \$14,067,160           |  |  |  |  |  |
| T. Rowe                      | \$13,856,019                 | \$0          | \$320,750     | \$320,750     | \$782,593                | \$14,959,362           |  |  |  |  |  |
| TERMINATED Post Advisory     | \$0                          | \$0          | \$0           | \$0           | \$0                      |                        |  |  |  |  |  |
| Transwestern / Aslan III     | \$105,942                    | -\$7,245     | \$0           | -\$7,245      | \$5,899                  | \$104,596              |  |  |  |  |  |
| UBS Trumbull                 | \$8,230,442                  | -\$22,266    | \$22,266      | \$0           | \$186,366                | \$8,416,808            |  |  |  |  |  |
| Vermont Cash                 | \$613,133                    | -\$83,245    | \$156,399     | \$73,154      | \$0                      | \$686,287              |  |  |  |  |  |
| Wellington                   | \$10,557,247                 | \$0          | \$0           | \$0           | \$47,350                 | \$10,604,597           |  |  |  |  |  |
| Wellington DAS               | \$12,700,360                 | \$0          | \$0           | \$0           | \$432,797                | \$13,133,157           |  |  |  |  |  |
| Wellington OIF               | \$19,806,647                 | \$0          | \$0           | \$0           | \$681,159                | \$20,487,807           |  |  |  |  |  |
| Wellington Opportunistic EMD | \$25,648,372                 | \$0          | \$0           | \$0           | \$1,364,817              | \$27,013,189           |  |  |  |  |  |
| Total                        | \$501,679,641                | -\$2,578,426 | \$3,522,499   | \$944,073     | \$19,908,538             | \$522,532,252          |  |  |  |  |  |



# Total Fund Performance Detail

|  | Market Value<br>(\$) | % of<br>Portfolio | Policy % | 3 Mo<br>(%) | Rank | YTD<br>(%) | Rank | 1 Yr<br>(%) | Rank | 3 Yrs<br>(%) | Rank | 5 Yrs<br>(%) | Rank |
|--|----------------------|-------------------|----------|-------------|------|------------|------|-------------|------|--------------|------|--------------|------|
| Municipal Composite                        | 522,532,252          | 100.0             | 100.0    | 4.0         | 21   | 6.7        | 3    | 14.6        | 72   | 8.5          | 79   | 12.7         | 39   |
| Policy Index                               |                      |                   |          | 3.3         | 68   | 5.2        | 47   | 13.4        | 92   | 7.3          | 95   | 10.2         | 85   |
| Allocation Index                           |                      |                   |          | 3.3         | 68   | 5.1        | 53   | 13.4        | 92   | 7.3          | 95   | 10.7         | 79   |
| InvestorForce Public DB Gross Median       |                      |                   |          | 3.5         |      | 5.2        |      | 16.0        |      | 9.5          |      | 12.3         |      |
| Large Cap Comp                             | 54,205,120           | 10.4              | 10.0     | 5.4         | 29   | 7.5        | 39   | 25.7        | 50   | 16.8         | 40   | 20.6         | 16   |
| S&P 500                                    |                      |                   |          | 5.2         | 33   | 7.1        | 45   | 24.6        | 61   | 16.6         | 44   | 18.8         | 48   |
| eA US Large Cap Equity Gross Median        |                      |                   |          | 4.7         |      | 6.8        |      | 25.6        |      | 16.2         |      | 18.7         |      |
| T. Rowe                                    | 14,959,362           | 2.9               | 3.0      | 5.5         | 25   | 7.1        | 46   | 25.7        | 49   | 17.1         | 32   | 18.9         | 46   |
| SSgA S&P 500 Cap-Wgt                       | 25,178,598           | 4.8               | 4.0      | 5.2         | 33   | 7.1        | 45   | 24.6        | 61   | 16.6         | 43   |              |      |
| S&P 500                                    |                      |                   |          | 5.2         | 33   | 7.1        | 45   | 24.6        | 61   | 16.6         | 44   | 18.8         | 48   |
| SSgA S&P 500 Equal-Wgt                     | 14,067,160           | 2.7               | 3.0      | 5.5         | 27   | 8.6        | 19   | 27.3        | 31   | 17.2         | 32   | 22.4         | 4    |
| S&P 500 Equal Weighted                     |                      |                   |          | 5.5         | 24   | 8.7        | 18   | 27.4        | 31   | 17.2         | 32   | 22.4         | 4    |
| Small/Mid Cap Comp                         | 33,450,732           | 6.4               | 6.5      | 2.4         | 56   | 3.8        | 64   | 24.0        | 66   | 15.5         | 50   | 21.6         | 46   |
| Russell 2000                               |                      |                   |          | 2.0         | 65   | 3.2        | 72   | 23.6        | 69   | 14.6         | 59   | 20.2         | 74   |
| eA US Small-Mid Cap Equity Gross Median    |                      |                   |          | 2.8         |      | 4.9        |      | 25.7        |      | 15.4         |      | 21.5         |      |
| SSgA S&P 400                               | 3,800,486            | 0.7               | 0.5      | 4.3         | 40   | 7.5        | 36   | 25.3        | 58   |              |      |              |      |
| S&P 400 MidCap                             |                      |                   |          | 4.3         | 40   | 7.5        | 36   | 25.2        | 59   | 15.3         | 51   | 21.7         | 44   |
| eA US Mid Cap Equity Gross Median          |                      |                   |          | 3.9         |      | 6.2        |      | 26.6        |      | 15.3         |      | 21.4         |      |
| Champlain                                  | 10,885,697           | 2.1               | 2.0      | 4.3         | 42   | 5.8        | 57   | 25.9        | 55   | 15.9         | 41   |              |      |
| Russell 2500                               |                      |                   |          | 3.6         | 60   | 5.9        | 54   | 25.6        | 56   | 15.5         | 49   | 21.6         | 45   |
| eA US Mid Cap Equity Gross Median          |                      |                   |          | 3.9         |      | 6.2        |      | 26.6        |      | 15.3         |      | 21.4         |      |
| Wellington                                 | 10,604,597           | 2.0               | 2.0      | 0.4         | 93   | 2.0        | 90   | 20.1        | 93   | 15.4         | 66   | 22.1         | 42   |
| Russell 2000 Value                         |                      |                   |          | 2.4         | 68   | 4.2        | 65   | 22.5        | 79   | 14.6         | 75   | 19.9         | 79   |
| eA US Small Cap Value Equity Gross Median  |                      |                   |          | 3.1         |      | 5.1        |      | 25.4        |      | 16.4         |      | 21.7         |      |
| SSgA Russell 2000 Growth                   | 8,159,951            | 1.6               | 2.0      | 1.7         | 26   | 2.2        | 38   | 24.6        | 47   | 14.5         | 55   | 20.5         | 73   |
| Russell 2000 Growth                        |                      |                   |          | 1.7         | 27   | 2.2        | 37   | 24.7        | 46   | 14.5         | 55   | 20.5         | 73   |
| eA US Small Cap Growth Equity Gross Median |                      |                   |          | 0.2         |      | 1.0        |      | 24.2        |      | 14.9         |      | 21.9         |      |

#### Fiscal Year End if 6/30

# Total Fund Performance Detail

|   | Market Value<br>(\$) | % of<br>Portfolio | Policy % | 3 Mo<br>(%) | Rank | YTD<br>(%) | Rank | 1 Yr<br>(%) | Rank | 3 Yrs<br>(%) | Rank | 5 Yrs<br>(%) | Rank |
|---|----------------------|-------------------|----------|-------------|------|------------|------|-------------|------|--------------|------|--------------|------|
| Int'l Equity Comp                         | 51,112,345           | 9.8               | 10.0     | 4.8         | 25   | 8.7        | 8    | 28.0        | 22   | 9.3          | 54   | 12.9         | 68   |
| MSCI EAFE                                 |                      |                   |          | 4.1         | 45   | 4.8        | 54   | 23.6        | 60   | 8.1          | 76   | 11.8         | 87   |
| eA All EAFE Equity Gross Median           |                      |                   |          | 3.8         |      | 5.0        |      | 24.4        |      | 9.5          |      | 13.7         |      |
| Acadian                                   | 21,419,194           | 4.1               | 4.0      | 3.9         | 48   | 8.7        | 7    | 30.0        | 14   | 9.9          | 43   | 14.0         | 44   |
| Mondrian                                  | 21,876,422           | 4.2               | 4.0      | 5.6         | 10   | 9.5        | 4    | 28.1        | 22   | 9.9          | 44   | 12.7         | 74   |
| MSCI EAFE                                 |                      |                   |          | 4.1         | 45   | 4.8        | 54   | 23.6        | 60   | 8.1          | 76   | 11.8         | 87   |
| SSgA ACWI Ex US                           | 7,816,728            | 1.5               | 2.0      | 5.2         | 23   | 5.8        | 34   | 22.1        | 48   | 6.0          | 87   |              |      |
| MSCI ACWI ex USA                          |                      |                   |          | 5.0         | 26   | 5.6        | 43   | 21.8        | 50   | 5.7          | 91   | 11.1         | 95   |
| eA ACWI ex-US All Cap Equity Gross Median |                      |                   |          | 4.1         |      | 4.6        |      | 21.7        |      | 8.6          |      | 14.1         |      |
| Emerging Market Comp                      | 33,987,864           | 6.5               | 6.0      | 6.5         | 69   | 8.2        | 28   | 10.2        | 90   |              |      |              |      |
| Aberdeen                                  | 33,987,864           | 6.5               | 6.0      | 6.5         | 69   | 8.2        | 28   | 10.2        | 90   | 4.2          | 21   | 14.5         | 14   |
| MSCI Emerging Markets                     |                      |                   |          | 6.6         | 67   | 6.1        | 61   | 14.3        | 64   | -0.4         | 81   | 9.2          | 78   |
| eA Emg Mkts Equity Gross Median           |                      |                   |          | 7.2         |      | 6.7        |      | 15.5        |      | 2.2          |      | 11.6         |      |
| US Fixed Income                           | 130,241,790          | 24.9              |          | 2.5         | 29   | 4.8        | 33   | 5.4         | 44   |              |      |              |      |
| Barclays Aggregate                        |                      |                   |          | 2.0         | 49   | 3.9        | 51   | 4.4         | 61   | 3.7          | 63   | 4.9          | 65   |
| eA All US Fixed Inc Gross Median          |                      |                   |          | 2.0         |      | 3.9        |      | 4.9         |      | 4.4          |      | 5.7          |      |
| Diversified Fixed                         | 94,118,211           | 18.0              | 18.0     | 2.4         | 30   | 4.6        | 35   | 4.5         | 60   | 4.6          | 46   | 7.4          | 35   |
| Barclays Aggregate                        |                      |                   |          | 2.0         | 49   | 3.9        | 51   | 4.4         | 61   | 3.7          | 63   | 4.9          | 65   |
| eA All US Fixed Inc Gross Median          |                      |                   |          | 2.0         |      | 3.9        |      | 4.9         |      | 4.4          |      | 5.7          |      |
| Allianz Structured Alpha                  | 13,150,343           | 2.5               | 2.0      | 4.0         | 2    | 8.2        | 3    | 7.9         | 3    | 5.5          | 11   | 9.4          | 1    |
| Citigroup 10 Year Treasury                |                      |                   |          | 2.7         | 6    | 6.1        | 4    | 2.8         | 98   | 5.0          | 20   | 5.0          | 77   |
| PIMCO Core Plus                           | 33,499,383           | 6.4               | 6.5      | 2.2         | 39   | 4.0        | 61   | 3.9         | 83   | 4.4          | 53   |              |      |
| Barclays Aggregate                        |                      |                   |          | 2.0         | 58   | 3.9        | 62   | 4.4         | 71   | 3.7          | 84   | 4.9          | 83   |
| PIMCO Unconstrained                       | 34,335,328           | 6.6               | 6.5      | 1.7         | 80   | 2.7        | 92   | 2.5         | 99   | 2.9          | 97   |              |      |
| 25% HY, 25% EMD, 50% BC Agg               |                      |                   |          | 3.0         | 4    | 5.6        | 5    | 7.9         | 3    | 6.2          | 5    | 8.5          | 2    |
| 3-Month Libor Total Return USD            |                      |                   |          | 0.1         | 99   | 0.1        | 99   | 0.2         | 99   | 0.3          | 99   | 0.3          | 99   |
| Wellington DAS                            | 13,133,157           | 2.5               | 3.0      | 3.4         | 3    | 7.8        | 3    | 7.6         | 5    | 8.8          | 2    | 8.2          | 4    |
| Wellington Custom Benchmark               |                      |                   |          | 4.4         | 2    | 11.2       | 2    | 5.9         | 16   | 8.1          | 2    | 7.2          | 12   |



## Total Fund Performance Detail

|  | Market Value<br>(\$) | % of<br>Portfolio | Policy % | 3 Mo<br>(%) | Rank | YTD<br>(%) | Rank | 1 Yr<br>(%)  | Rank | 3 Yrs<br>(%) | Rank | 5 Yrs<br>(%) | Rank |
|--|----------------------|-------------------|----------|-------------|------|------------|------|--------------|------|--------------|------|--------------|------|
| High Yield Comp  | 20,085,494           | 3.8               | 4.0      | 1.7         | 87   | 4.6        | 80   | 10.3         | 79   | 9.2          | 63   | 12.3         | 79   |
| Barclays High Yield<br>eA US High Yield Fixed Inc Gross Median |                      |                   |          | 2.4<br>2.4  | 46   | 5.5<br>5.5 | 55   | 11.7<br>11.7 | 47   | 9.5<br>9.5   | 52   | 14.0<br>13.7 | 41   |
| KDP  | 4,833,929            | 0.9               | 1.0      | 1.9         | 80   | 4.5        | 81   | 9.3          | 83   | 8.4          | 81   |              |      |
| Barclays High Yield  |                      |                   |          | 2.4         | 46   | 5.5        | 55   | 11.7         | 47   | 9.5          | 52   | 14.0         | 41   |
| BofA Merrill Lynch US High Yield BB-B Rated                    |                      |                   |          | 2.5         | 40   | 5.5        | 50   | 11.4         | 57   | 9.0          | 68   | 12.6         | 75   |
| Guggenheim   | 15,251,564           | 2.9               | 3.0      | 1.6         | 89   | 4.6        | 78   |              |      |              |      |              |      |
| Barclays High Yield  |                      |                   |          | 2.4         | 46   | 5.5        | 55   | 11.7         | 47   | 9.5          | 52   | 14.0         | 41   |
| eA US High Yield Fixed Inc Gross Median                        |                      |                   |          | 2.4         |      | 5.5        |      | 11.7         |      | 9.5          |      | 13.7         |      |
| TIPS   | 16,038,085           | 3.1               | 3.0      |             |      |            |      |              |      |              |      |              |      |
| BlackRock TIPS   | 16,038,085           | 3.1               | 3.0      | 3.8         |      | 5.8        |      | 4.5          |      | 3.5          |      |              |      |
| Barclays US TIPS   |                      |                   |          | 3.8         |      | 5.8        |      | 4.4          |      | 3.6          |      | 5.6          |      |
| Global Fixed Income Comp                                       | 14,642,263           | 2.8               | 3.0      | 2.0         | 74   | 4.0        | 81   | 5.5          | 82   | 1.1          | 94   | 5.6          | 70   |
| Citi WGBI  |                      |                   |          | 2.3         | 65   | 5.0        | 61   | 6.8          | 72   | 1.6          | 92   | 3.6          | 98   |
| eA All Global Fixed Inc Gross Median                           |                      |                   |          | 2.6         |      | 5.4        |      | 8.6          |      | 5.0          |      | 7.0          |      |
| Mondrian GFI   | 14,642,263           | 2.8               | 3.0      | 2.0         | 74   | 4.0        | 81   | 5.5          | 82   | 0.2          | 98   | 4.1          | 97   |
| Citi WGBI  |                      |                   |          | 2.3         | 65   | 5.0        | 61   | 6.8          | 72   | 1.6          | 92   | 3.6          | 98   |
| Emerging Market Debt   | 27,013,189           | 5.2               | 5.0      |             |      |            |      |              |      |              |      |              |      |
| Wellington Opportunistic EMD                                   | 27,013,189           | 5.2               | 5.0      | 5.3         | 22   | 9.2        | 18   | 11.1         | 26   | 8.3          | 14   |              |      |
| JP Morgan EMBI Global TR                                       |                      |                   |          | 5.4         | 19   | 9.1        | 19   | 11.0         | 26   | 7.6          | 29   | 10.4         | 57   |
| eA All Emg Mkts Fixed Inc Gross Median                         |                      |                   |          | 4.8         |      | 7.5        |      | 9.6          |      | 6.6          |      | 11.0         |      |
| Total Real Estate  | 22,243,309           | 4.3               | 4.5      |             |      |            |      |              |      |              |      |              |      |
| Morgan Stanley Prime Property                                  | 9,660,451            | 1.8               | 2.0      | 3.1         |      | 6.1        |      | 14.6         |      | 15.1         |      | 11.0         |      |
| UBS Trumbull   | 8,416,808            | 1.6               | 2.0      | 2.3         |      | 4.9        |      | 10.2         |      | 10.4         |      | 9.3          |      |
| RREEF America REIT III   | 2,928,051            | 0.6               | 0.5      | 13.2        |      | 17.8       |      | 27.0         |      | 22.2         |      | 16.5         |      |
| Transwestern / Aslan III                                       | 104,596              | 0.0               | 0.0      | 5.6         |      | 5.9        |      | 10.6         |      | 16.4         |      | -5.0         |      |
| NCREIF Property Index  |                      |                   |          | 2.9         |      | 5.7        |      | 11.2         |      | 11.3         |      | 9.7          |      |
| NCREIF ODCE  |                      |                   |          | 2.9         |      | 5.5        |      | 12.7         |      | 12.4         |      | 10.0         |      |
| Siguler Guff   | 1,133,403            | 0.2               |          |             |      |            |      |              |      |              |      |              |      |
|  |                      |                   |          |             |      |            |      |              |      |              |      |              |      |

Real Estate performance reported on a quarterly basis. NCREIF Property is available 25 days after quarter end.



### Total Fund Performance Detail

|  | Market Value<br>(\$) | % of<br>Portfolio | Policy % | 3 Mo<br>(%) | Rank | YTD<br>(%) | Rank | 1 Yr<br>(%) | Rank | 3 Yrs<br>(%) | Rank | 5 Yrs<br>(%) | Rank |
|--|----------------------|-------------------|----------|-------------|------|------------|------|-------------|------|--------------|------|--------------|------|
| Hedge Fund Comp                              | 26,834,931           | 5.1               | 5.0      | 1.8         | 40   | 3.2        | 38   | 10.4        | 33   | 6.8          | 27   |              |      |
| eA HFN FOF - Multi-Strategy Net Median       |                      |                   |          | 1.5         |      | 2.6        |      | 9.3         |      | 5.3          |      | 6.4          |      |
| Grosvenor                                    | 10,576,222           | 2.0               | 2.0      | 1.3         | 60   | 2.9        | 45   | 11.0        | 30   | 6.9          | 26   |              |      |
| GAM  | 5,496,978            | 1.1               | 1.0      | 1.4         | 55   | 1.8        | 61   | 7.4         | 66   | 6.7          | 28   |              |      |
| Permal                                       | 10,761,730           | 2.1               | 2.0      | 2.4         | 24   | 4.2        | 27   | 11.2        | 29   | 6.8          | 27   |              |      |
| HFRI Fund of Funds Composite Index           |                      |                   |          | 1.5         | 53   | 2.0        | 58   | 7.6         | 65   | 3.3          | 76   | 4.2          | 79   |
| GAA Comp                                     | 105,198,603          | 20.1              | 20.0     | 5.7         | 11   | 8.9        | 11   | 16.0        | 33   | 7.7          | 36   | 12.7         | 25   |
| eA Global TAA Gross Median                   |                      |                   |          | 3.7         |      | 5.4        |      | 13.3        |      | 6.3          |      | 9.4          |      |
| Mellon Global Expanded Alpha                 | 10,059,603           | 1.9               | 2.5      | 4.4         | 32   | -0.4       | 96   | 8.9         | 76   | 6.1          | 52   | 12.1         | 29   |
| Mellon GA GEA Index                          |                      |                   |          | 3.5         | 59   | 5.6        | 44   | 14.3        | 44   | 7.6          | 36   | 9.8          | 48   |
| AQR Global Risk Premium                      | 42,850,309           | 8.2               | 8.0      | 8.0         | 1    | 14.1       | 1    | 18.8        | 9    | 9.2          | 26   |              |      |
| 60% MSCI World / 40% CITI WGBI               |                      |                   |          | 3.9         | 43   | 6.0        | 35   | 17.4        | 22   | 8.2          | 32   | 10.9         | 37   |
| PIMCO All Asset                              | 31,800,884           | 6.1               | 5.0      | 4.5         | 27   | 7.4        | 15   | 12.4        | 58   | 7.6          | 36   | 11.1         | 36   |
| PIMCO All Asset Index                        |                      |                   |          | 3.0         | 69   | 5.0        | 56   | 7.4         | 86   | 5.5          | 60   | 7.6          | 72   |
| CPI + 5% (Seasonally Adjusted)               |                      |                   |          | 2.1         | 81   | 3.8        | 76   | 7.2         | 87   | 6.9          | 44   | 7.1          | 79   |
| Wellington OIF                               | 20,487,807           | 3.9               | 4.5      | 3.5         | 58   | 6.0        | 34   | 19.4        | 7    | 5.7          | 60   | 10.6         | 38   |
| 65% MSCI ACWI (Net) / 35% BC Agg             |                      |                   |          | 4.0         | 42   | 5.4        | 47   | 16.2        | 32   | 8.2          | 33   | 11.2         | 36   |
| Commodities                                  | 20,456,404           | 3.9               | 4.0      |             |      |            |      |             |      |              |      |              |      |
| Schroder                                     | 20,456,404           | 3.9               | 4.0      | 1.0         |      | 6.9        |      | 8.6         |      | -3.1         |      |              |      |
| Bloomberg Commodity Index                    |                      |                   |          | 0.1         |      | 7.1        |      | 8.2         |      | -5.2         |      | 2.0          |      |
| Cash   | 686,287              | 0.1               | 0.0      |             |      |            |      |             |      |              |      |              |      |
| Vermont Cash                                 | 686,287              | 0.1               | 0.0      | 0.0         |      | 0.0        |      | 0.0         |      | 0.0          |      | 0.1          |      |
| 91 Day T-Bills                               |                      |                   |          | 0.0         |      | 0.0        |      | 0.0         |      | 0.0          |      | 0.1          |      |
| Private Equity                               | 2,459,416            | 0.5               | 1.0      |             |      |            |      |             |      |              |      |              |      |
| Harbourvest Partners IX Credit Opportunities | 125,628              | 0.0               |          |             |      |            |      |             |      |              |      |              |      |
| Harbourvest Partners IX Venture Fund         | 614,615              | 0.1               |          |             |      |            |      |             |      |              |      |              |      |
| Harbourvest Partners IX Buyout Fund          | 700,871              | 0.1               |          |             |      |            |      |             |      |              |      |              |      |
| Harbourvest Dover VIII Fund                  | 1,018,303            | 0.2               |          |             |      |            |      |             |      |              |      |              |      |
| Eqty Composite                               |                      |                   |          |             |      |            |      |             |      |              |      |              |      |

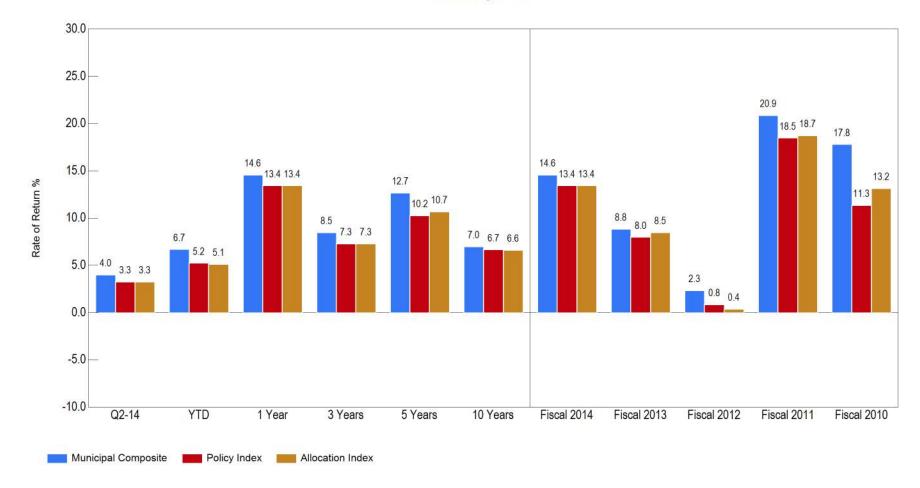
Harbourvest is based on final Capital Account Statements for Q1 2014, and cash adjusted through June for any Capital Calls or Distributions

PIMCO All Asset Index: 40% BC Agg / 30% TIPS / 10% S&P500 / 10% BC HY / 10% JPM EMBI+

Mellon CF GEA Index: 50% MSCI ACWI / 25% CITI WGBI H/H / 10% BC Global Inflation Linked H/H /5% BC US Interm. Credit / 5% DJ-UBS Commodity / 5% R2000.



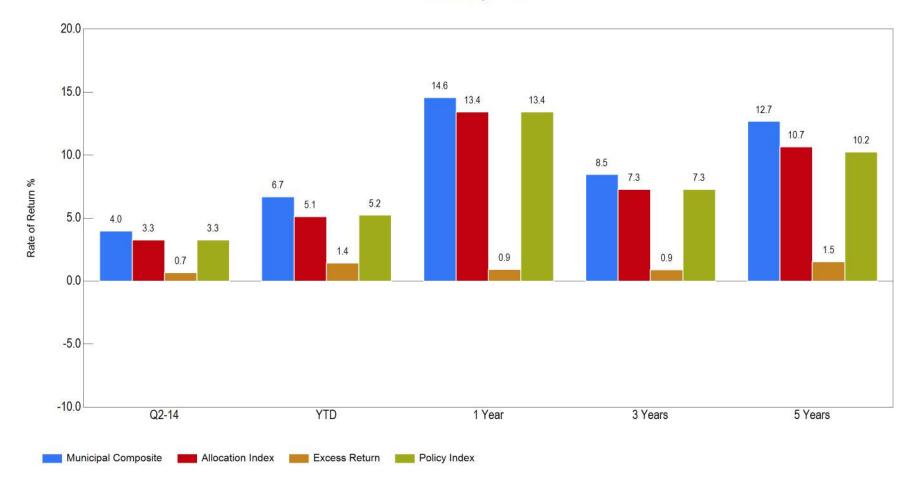
### Total Fund Return Summary



### **Return Summary Gross**



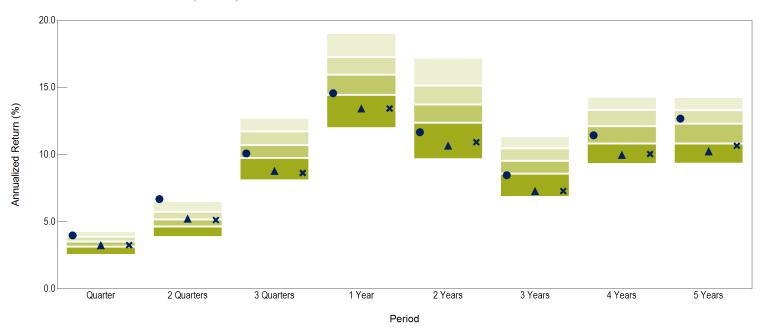
### Total Fund Return Summary



**Return Summary Gross** 



### Total Fund Return Summary vs. Peer Universe

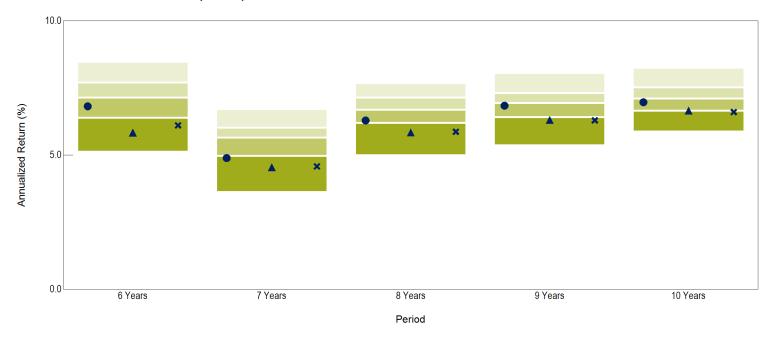


### Municipal Composite vs. InvestorForce Public DB Gross

|   | Return (Rank) |        |          |           |           |            |           |                |
|---|---------------|--------|----------|-----------|-----------|------------|-----------|----------------|
| 5th Percentile                          | 4.3           | 6.5    | 12.7     | 19.0      | 17.2      | 11.4       | 14.3      | 14.3           |
| 25th Percentile                         | 3.9           | 5.8    | 11.7     | 17.3      | 15.2      | 10.5       | 13.3      | 13.3           |
| Median                                  | 3.5           | 5.2    | 10.7     | 16.0      | 13.7      | 9.5        | 12.1      | 12.3           |
| 75th Percentile                         | 3.2           | 4.6    | 9.8      | 14.5      | 12.4      | 8.6        | 10.8      | 10.8           |
| 95th Percentile                         | 2.5           | 3.9    | 8.1      | 12.0      | 9.7       | 6.9        | 9.3       | 9.3            |
| # of Portfolios                         | 207           | 202    | 199      | 198       | 191       | 181        | 172       | 165            |
| <ul> <li>Municipal Composite</li> </ul> | 4.0 (2        | 1) 6.7 | (3) 10.1 | (61) 14.6 | (72) 11.7 | (86) 8.5 ( | (79) 11.4 | (65) 12.7 (39) |
| Policy Index                            | 3.3 (6        | 8) 5.2 | (47) 8.8 | (92) 13.4 | (92) 10.7 | (92) 7.3 ( | (95) 10.0 | (88) 10.2 (85) |
| × Allocation Index                      | 3.3 (6        | 8) 5.1 | (53) 8.6 | (94) 13.4 | (92) 10.9 | (91) 7.3 ( | (95) 10.0 | (88) 10.7 (79) |



## Total Fund Return Summary vs. Peer Universe

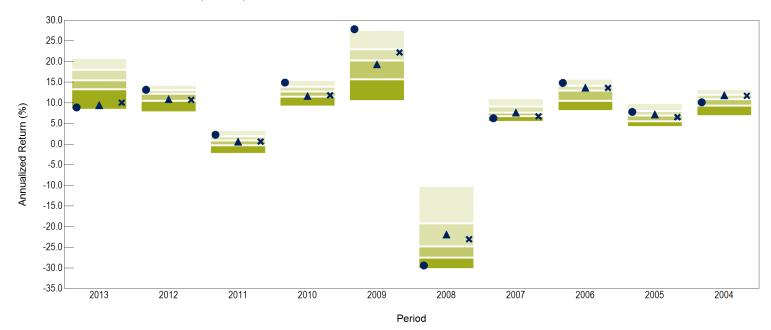


### Municipal Composite vs. InvestorForce Public DB Gross

|                     | Return (Rank) |          |          |          |          |
|---------------------|---------------|----------|----------|----------|----------|
| 5th Percentile      | 8.5           | 6.7      | 7.7      | 8.1      | 8.2      |
| 25th Percentile     | 7.7           | 6.0      | 7.1      | 7.3      | 7.5      |
| Median              | 7.1           | 5.7      | 6.7      | 6.9      | 7.1      |
| 75th Percentile     | 6.4           | 5.0      | 6.2      | 6.4      | 6.7      |
| 95th Percentile     | 5.1           | 3.6      | 5.0      | 5.4      | 5.9      |
| # of Portfolios     | 161           | 157      | 154      | 146      | 141      |
| Municipal Composite | 6.8 (61)      | 4.9 (77) | 6.3 (73) | 6.8 (54) | 7.0 (57) |
| Policy Index        | 5.8 (87)      | 4.5 (83) | 5.8 (89) | 6.3 (83) | 6.7 (76) |
| × Allocation Index  | 6.1 (85)      | 4.6 (82) | 5.9 (88) | 6.3 (84) | 6.6 (79) |



### Total Fund Return Summary vs. Peer Universe

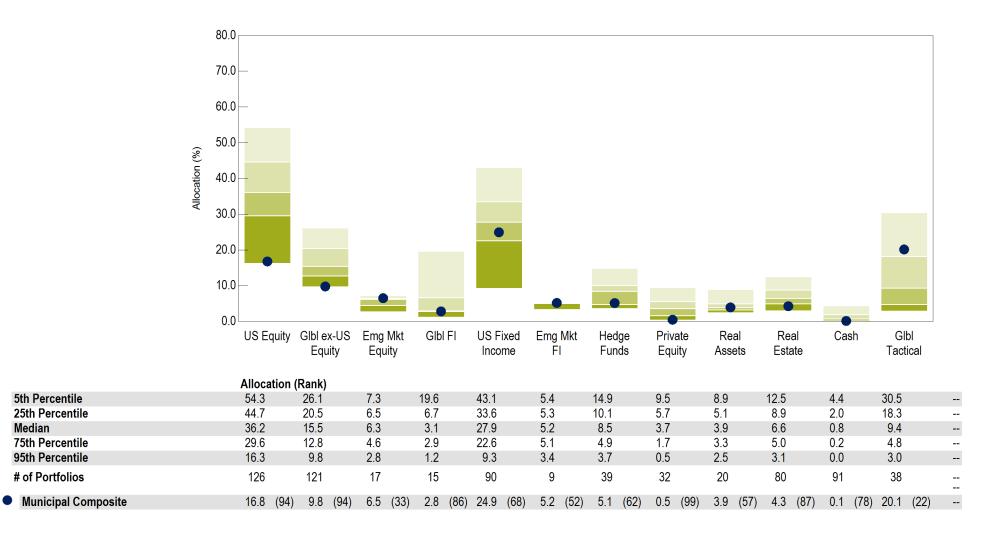


Municipal Composite vs. InvestorForce Public DB Gross

|   | Return (Rank) |          |            |           |           |            |          |           |          |           |
|---|---------------|----------|------------|-----------|-----------|------------|----------|-----------|----------|-----------|
| 5th Percentile                          | 20.8          | 14.3     | 3.4        | 15.5      | 27.6      | -10.2      | 11.1     | 15.8      | 9.9      | 13.2      |
| 25th Percentile                         | 18.0          | 13.1     | 1.9        | 13.9      | 23.0      | -19.2      | 9.1      | 14.2      | 8.1      | 12.0      |
| Median                                  | 15.5          | 12.2     | 0.9        | 12.8      | 20.3      | -24.7      | 7.7      | 13.0      | 6.9      | 10.9      |
| 75th Percentile                         | 13.3          | 10.5     | -0.3       | 11.5      | 15.7      | -27.4      | 6.8      | 10.5      | 5.5      | 9.4       |
| 95th Percentile                         | 8.4           | 7.7      | -2.4       | 9.2       | 10.4      | -30.2      | 5.4      | 8.0       | 4.2      | 6.8       |
| # of Portfolios                         | 212           | 192      | 162        | 154       | 152       | 149        | 146      | 136       | 131      | 125       |
| <ul> <li>Municipal Composite</li> </ul> | 8.9 (93)      | 13.1 (24 | ) 2.2 (17) | 14.9 (12) | 27.8 (5)  | -29.4 (89) | 6.3 (85) | 14.8 (17) | 7.8 (32) | 10.1 (65) |
| Policy Index                            | 9.5 (92)      | 10.9 (71 | ) 0.6 (62) | 11.7 (72) | 19.3 (55) | -21.9 (35) | 7.7 (51) | 13.7 (35) | 7.2 (47) | 11.9 (29) |
| × Allocation Index                      | 10.0 (91)     | 10.7 (73 | ) 0.6 (62) | 11.8 (70) | 22.2 (29) | -23.0 (41) | 6.7 (79) | 13.6 (37) | 6.5 (57) | 11.7 (34) |



### Total Fund Allocation vs. Peer Universe



Total Plan Allocation vs. InvestorForce Public DB Gross As of June 30, 2014



**5th Percentile** 

Median

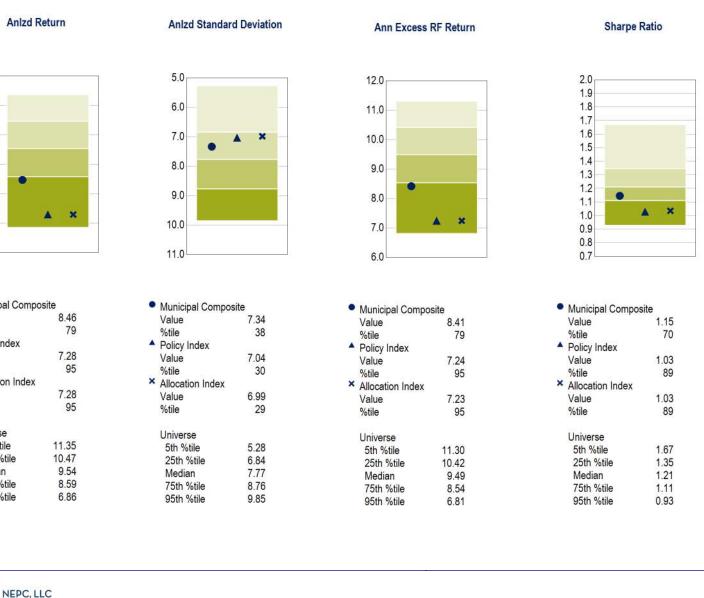
25th Percentile

75th Percentile

95th Percentile

# of Portfolios

### Total Fund Risk Statistics vs. Peer Universe



**Municipal Composite vs. IFx Public DB Gross** 3 Years

Sortino Ratio RF

×

1.67

1.40

1.37

2.58

1.83

1.61

1.44

1.14

81

80

39

3.1

2.9

2.7

2.5

2.3

2.1

1.9

1.7

1.5

1.3

1.1

0.9

0.7

Value

%tile

Value

%tile

Value

%tile

Universe

5th %tile

Median

25th %tile

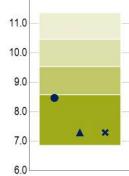
75th %tile

95th %tile

Policy Index

× Allocation Index

Municipal Composite



12.0

- Municipal Composite
- Value %tile Policy Index Value %tile
- × Allocation Index
- Value

# Universe

%tile

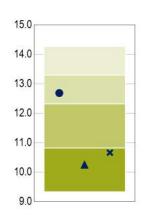
5th %tile 25th %tile Median 75th %tile 95th %tile

| LLC |  |  |
|-----|--|--|

### Total Fund Risk Statistics vs. Peer Universe

Municipal Composite vs. IFx Public DB Gross 5 Years

Ann Excess RF Return



Anizd Return

 Municipal Composite Value 12.68 %tile 39 Policy Index Value 10.25 85 %tile × Allocation Index Value 10.65 %tile 79 Universe 5th %tile 14.26 25th %tile 13.30 Median 12.32

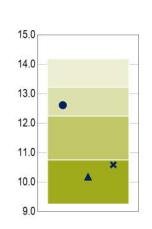
75th %tile

95th %tile

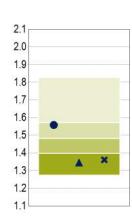
| 5.0  |   |    |   |
|------|---|----|---|
| 6.0  |   |    |   |
| 7.0  |   | 12 |   |
| 8.0  | • |    | × |
| 9.0  |   |    |   |
| 10.0 |   |    |   |
| 11.0 |   |    |   |

AnIzd Standard Deviation

| • | Municipal Compo  | site  |
|---|------------------|-------|
|   | Value            | 8.09  |
|   | %tile            | 49    |
| • | Policy Index     |       |
|   | Value            | 7.56  |
|   | %tile            | 36    |
| × | Allocation Index |       |
|   | Value            | 7.78  |
|   | %tile            | 39    |
|   | Universe         |       |
|   | 5th %tile        | 5.70  |
|   | 25th %tile       | 7.04  |
|   | Median           | 8.21  |
|   | 75th %tile       | 9.14  |
|   | 95th %tile       | 10.34 |



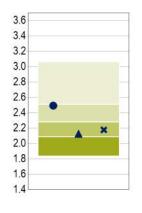
| • | Municipal Composite |       |  |  |  |  |  |  |
|---|---------------------|-------|--|--|--|--|--|--|
|   | Value               | 12.61 |  |  |  |  |  |  |
|   | %tile               | 39    |  |  |  |  |  |  |
| • | Policy Index        |       |  |  |  |  |  |  |
|   | Value               | 10.18 |  |  |  |  |  |  |
|   | %tile               | 85    |  |  |  |  |  |  |
| × | Allocation Index    |       |  |  |  |  |  |  |
|   | Value               | 10.58 |  |  |  |  |  |  |
|   | %tile               | 79    |  |  |  |  |  |  |
|   | Universe            |       |  |  |  |  |  |  |
|   | 5th %tile           | 14.18 |  |  |  |  |  |  |
|   | 25th %tile          | 13.23 |  |  |  |  |  |  |
|   | Median              | 12.25 |  |  |  |  |  |  |
|   | 75th %tile          | 10.75 |  |  |  |  |  |  |
|   | 95th %tile          | 9.26  |  |  |  |  |  |  |



Sharpe Ratio

| • | Municipal Comp   | osite |
|---|------------------|-------|
|   | Value            | 1.56  |
|   | %tile            | 32    |
| • | Policy Index     |       |
|   | Value            | 1.35  |
|   | %tile            | 86    |
| × | Allocation Index |       |
|   | Value            | 1.36  |
|   | %tile            | 84    |
|   | Universe         |       |
|   | 5th %tile        | 1.83  |
|   | 25th %tile       | 1.57  |
|   | Median           | 1.48  |
|   | 75th %tile       | 1.40  |
|   | 95th %tile       | 1.27  |





|   | Municipal Compos |      |
|---|------------------|------|
|   | Value            | 2.49 |
|   | %tile            | 27   |
| • | Policy Index     |      |
|   | Value            | 2.13 |
|   | %tile            | 70   |
| × | Allocation Index |      |
|   | Value            | 2.17 |
|   | %tile            | 63   |
|   | Universe         |      |
|   | 5th %tile        | 3.06 |
|   | 25th %tile       | 2.51 |
|   | Median           | 2.28 |
|   | 75th %tile       | 2.09 |
|   | 95th %tile       | 1.84 |

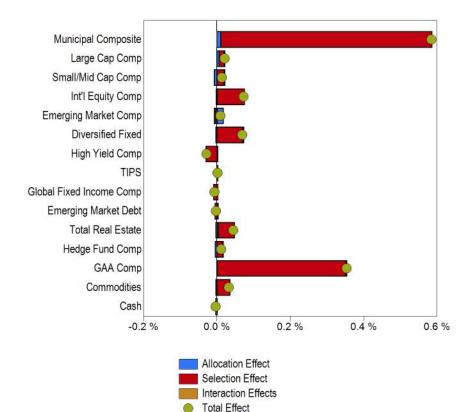


10.83

9.33

### Total Fund Attribution Analysis

### Attribution Effects Relative to Policy Index 3 Months Ending June 30, 2014



### **Attribution Summary** 3 Months Ending June 30, 2014

|                             | Wtd. <sub>W</sub><br>Actual<br>Return | /td. Index<br>Return | Excess<br>Return | Selection<br>Effect | Allocation<br>Effect | Interaction<br>Effects | Total<br>Effects |
|-----------------------------|---------------------------------------|----------------------|------------------|---------------------|----------------------|------------------------|------------------|
| Large Cap Comp              | 5.4%                                  | 5.2%                 | 0.1%             | 0.0%                | 0.0%                 | 0.0%                   | 0.0%             |
| Small/Mid Cap Comp          | 2.4%                                  | 2.0%                 | 0.4%             | 0.0%                | 0.0%                 | 0.0%                   | 0.0%             |
| Int'l Equity Comp           | 4.8%                                  | 4.1%                 | 0.7%             | 0.1%                | 0.0%                 | 0.0%                   | 0.1%             |
| Emerging Market Comp        | 6.5%                                  | 6.6%                 | -0.1%            | 0.0%                | 0.0%                 | 0.0%                   | 0.0%             |
| Diversified Fixed           | 2.4%                                  | 2.0%                 | 0.4%             | 0.1%                | 0.0%                 | 0.0%                   | 0.1%             |
| High Yield Comp             | 1.7%                                  | 2.4%                 | -0.7%            | 0.0%                | 0.0%                 | 0.0%                   | 0.0%             |
| TIPS                        | 3.8%                                  | 3.8%                 | 0.0%             | 0.0%                | 0.0%                 | 0.0%                   | 0.0%             |
| Global Fixed Income<br>Comp | 2.0%                                  | 2.3%                 | -0.3%            | 0.0%                | 0.0%                 | 0.0%                   | 0.0%             |
| Emerging Market Debt        | 5.3%                                  | 5.4%                 | -0.1%            | 0.0%                | 0.0%                 | 0.0%                   | 0.0%             |
| Total Real Estate           | 3.8%                                  | 2.9%                 | 0.9%             | 0.0%                | 0.0%                 | 0.0%                   | 0.0%             |
| Hedge Fund Comp             | 1.8%                                  | 1.5%                 | 0.3%             | 0.0%                | 0.0%                 | 0.0%                   | 0.0%             |
| GAA Comp                    | 5.7%                                  | 3.9%                 | 1.8%             | 0.4%                | 0.0%                 | 0.0%                   | 0.4%             |
| Commodities                 | 1.0%                                  | 0.1%                 | 0.9%             | 0.0%                | 0.0%                 | 0.0%                   | 0.0%             |
| Cash                        | 0.0%                                  | 0.0%                 | 0.0%             | 0.0%                | 0.0%                 | 0.0%                   | 0.0%             |
| Total                       | 4.0%                                  | 3.4%                 | 0.6%             | 0.6%                | 0.0%                 | 0.0%                   | 0.6%             |

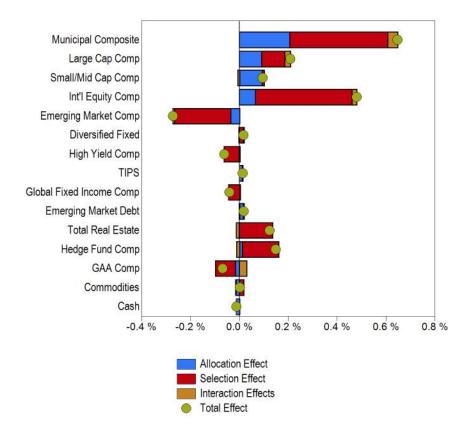
Note: Plan attribution calculations are returns based and the results shown reflect the composites shown. As a result, the total returns shown may vary from the calculated returns shown on the performance report. The target return shown for each composite is a custom index, based on aggregated policy indices. This policy index asset weights the underlying policy indices of each option in the plan and the respective benchmark. The allocation, selection, and interaction effects are calculated using the custom index described above along with the policy or target weight of each composite.

May not add up due to rounding.



### Total Fund Attribution Analysis

### Attribution Effects Relative to Policy Index 1 Year Ending June 30, 2014



### **Attribution Summary** 1 Year Ending June 30, 2014

|                             | Wtd. <sub>V</sub><br>Actual<br>Return | Vtd. Index<br>Return | Excess<br>Return | Selection<br>Effect | Allocation<br>Effect | Interaction<br>Effects | Total<br>Effects |
|-----------------------------|---------------------------------------|----------------------|------------------|---------------------|----------------------|------------------------|------------------|
| Large Cap Comp              | 25.7%                                 | 24.6%                | 1.0%             | 0.1%                | 0.1%                 | 0.0%                   | 0.2%             |
| Small/Mid Cap Comp          | 24.0%                                 | 23.6%                | 0.3%             | 0.0%                | 0.1%                 | 0.0%                   | 0.1%             |
| Int'l Equity Comp           | 28.0%                                 | 23.6%                | 4.4%             | 0.4%                | 0.1%                 | 0.0%                   | 0.5%             |
| Emerging Market Comp        | 10.2%                                 | 14.3%                | -4.1%            | -0.2%               | 0.0%                 | 0.0%                   | -0.3%            |
| Diversified Fixed           | 4.5%                                  | 4.4%                 | 0.1%             | 0.0%                | 0.0%                 | 0.0%                   | 0.0%             |
| High Yield Comp             | 10.3%                                 | 11.7%                | -1.5%            | -0.1%               | 0.0%                 | 0.0%                   | -0.1%            |
| TIPS                        | 4.5%                                  | 4.4%                 | 0.0%             | 0.0%                | 0.0%                 | 0.0%                   | 0.0%             |
| Global Fixed Income<br>Comp | 5.5%                                  | 6.8%                 | -1.4%            | 0.0%                | 0.0%                 | 0.0%                   | 0.0%             |
| Emerging Market Debt        | 11.1%                                 | 11.0%                | 0.1%             | 0.0%                | 0.0%                 | 0.0%                   | 0.0%             |
| Total Real Estate           | 14.1%                                 | 11.2%                | 2.9%             | 0.1%                | 0.0%                 | 0.0%                   | 0.1%             |
| Hedge Fund Comp             | 10.4%                                 | 7.6%                 | 2.8%             | 0.1%                | 0.0%                 | 0.0%                   | 0.1%             |
| GAA Comp                    | 16.0%                                 | 16.4%                | -0.3%            | -0.1%               | 0.0%                 | 0.0%                   | -0.1%            |
| Commodities                 | 8.6%                                  | 8.2%                 | 0.4%             | 0.0%                | 0.0%                 | 0.0%                   | 0.0%             |
| Cash                        | 0.0%                                  | 0.0%                 | 0.0%             | 0.0%                | 0.0%                 | 0.0%                   | 0.0%             |
| Total                       | 14.6%                                 | 13.8%                | 0.8%             | 0.4%                | 0.2%                 | 0.0%                   | 0.6%             |

Note: Plan attribution calculations are returns based and the results shown reflect the composites shown. As a result, the total returns shown may vary from the calculated returns shown on the performance report. The target return shown for each composite is a custom index, based on aggregated policy indices. This policy index asset weights the underlying policy indices of each option in the plan and the respective benchmark. The allocation, selection, and interaction effects are calculated using the custom index described above along with the policy or target weight of each composite.

May not add up due to rounding.



# Total Fund Risk Statistics

|                                      |          |           |      | :                | 3 Years En | ding June 30, | 2014 |                 |      |                     |      |                   |      |
|--------------------------------------|----------|-----------|------|------------------|------------|---------------|------|-----------------|------|---------------------|------|-------------------|------|
|                                      | % of Tot | Anlzd Ret | Rank | Anlzd Std<br>Dev | Rank       | Anlzd AJ      | Rank | Sharpe<br>Ratio | Rank | Sortino<br>Ratio RF | Rank | Tracking<br>Error | Rank |
| Municipal Composite                  | 100.00%  | 8.46%     | 79   | 7.34%            | 38         | 0.90%         | 14   | 1.15            | 70   | 1.67                | 39   | 0.85%             | 15   |
| Policy Index                         |          | 7.28%     | 95   | 7.04%            | 30         | 0.00%         | 45   | 1.03            | 89   | 1.40                | 80   | 0.00%             | 1    |
| US Equity                            | 16.78%   | 16.28%    | 46   | 13.81%           | 41         | -1.30%        | 46   | 1.18            | 41   | 1.67                | 43   | 1.67%             | 4    |
| Russell 3000                         |          | 16.46%    | 44   | 12.85%           | 27         | 0.00%         | 34   | 1.28            | 30   | 1.84                | 30   | 0.00%             | 1    |
| Large Cap Comp                       | 10.37%   | 16.75%    | 40   | 13.00%           | 48         | -0.79%        | 49   | 1.28            | 45   | 1.87                | 44   | 1.15%             | 1    |
| S&P 500                              |          | 16.58%    | 44   | 12.26%           | 29         | 0.00%         | 38   | 1.35            | 35   | 2.03                | 31   | 0.00%             | 1    |
| Small/Mid Cap Comp                   | 6.40%    | 15.45%    | 50   | 15.55%           | 36         | 2.21%         | 47   | 0.99            | 43   | 1.47                | 34   | 2.53%             | 1    |
| Russell 2000                         |          | 14.57%    | 59   | 16.98%           | 67         | 0.00%         | 71   | 0.86            | 67   | 1.26                | 63   | 0.00%             | 1    |
| Int'l Equity Comp                    | 9.78%    | 9.29%     | 54   | 15.21%           | 25         | 1.80%         | 49   | 0.61            | 47   | 0.77                | 44   | 2.31%             | 11   |
| MSCI EAFE                            |          | 8.10%     | 76   | 16.34%           | 61         | 0.00%         | 77   | 0.49            | 76   | 0.63                | 71   | 0.00%             | 1    |
| Emerging Market Comp                 | 6.50%    | 4.23%     | 21   | 17.97%           | 25         | 4.57%         | 21   | 0.23            | 23   | 0.33                | 19   | 5.18%             | 67   |
| MSCI Emerging Markets                |          | -0.39%    | 81   | 19.49%           | 62         | 0.00%         | 82   | -0.02           | 82   | -0.03               | 82   | 0.00%             | 1    |
| US Fixed Income                      | 24.93%   | 5.42%     | 36   | 3.40%            | 65         | 1.80%         | 35   | 1.58            | 51   | 1.94                | 67   | 2.02%             | 44   |
| Barclays Aggregate                   |          | 3.66%     | 63   | 2.77%            | 49         | 0.00%         | 88   | 1.31            | 78   | 1.80                | 77   | 0.00%             | 1    |
| Diversified Fixed                    | 18.01%   | 4.63%     | 46   | 3.35%            | 65         | 0.78%         | 61   | 1.37            | 73   | 1.87                | 71   | 1.65%             | 37   |
| Barclays Aggregate                   |          | 3.66%     | 63   | 2.77%            | 49         | 0.00%         | 88   | 1.31            | 78   | 1.80                | 77   | 0.00%             | 1    |
| High Yield Comp                      | 3.84%    | 9.19%     | 63   | 5.41%            | 28         | 1.24%         | 34   | 1.69            | 34   | 2.15                | 51   | 1.33%             | 49   |
| Barclays High Yield                  |          | 9.48%     | 52   | 6.39%            | 70         | 0.00%         | 74   | 1.48            | 73   | 1.95                | 72   | 0.00%             | 1    |
| TIPS                                 | 3.07%    | 3.54%     | 71   | 5.49%            | 83         | -0.01%        | 83   | 0.64            | 81   | 0.77                | 67   | 0.11%             | 2    |
| Barclays US TIPS                     |          | 3.55%     | 71   | 5.49%            | 84         | 0.00%         | 83   | 0.64            | 81   | 0.79                | 62   | 0.00%             | 1    |
| Global Fixed Income Comp             | 2.80%    | 1.10%     | 94   | 5.24%            | 52         | -0.61%        | 96   | 0.20            | 94   | 0.34                | 92   | 1.93%             | 11   |
| Citi WGBI                            |          | 1.57%     | 92   | 4.46%            | 32         | 0.00%         | 91   | 0.34            | 87   | 0.55                | 84   | 0.00%             | 1    |
| Emerging Market Debt                 | 5.17%    | 8.29%     | 14   | 7.96%            | 18         | 0.89%         | 17   | 1.03            | 13   | 1.39                | 15   | 1.23%             | 7    |
| JP Morgan EMBI Global TR             |          | 7.63%     | 29   | 8.12%            | 22         | 0.00%         | 34   | 0.93            | 28   | 1.36                | 17   | 0.00%             | 1    |
| Total Real Estate                    | 4.26%    | 14.15%    |      | 5.77%            |            | 0.14%         |      | 2.44            |      | 1,659.90            |      | 1.74%             |      |
| NCREIF Property Index                |          | 11.32%    |      | 4.53%            |            | 0.00%         |      | 2.49            |      | 1,326.99            |      | 0.00%             |      |
| Hedge Fund Comp                      | 5.14%    | 6.80%     | 27   | 4.48%            | 48         | 3.30%         | 32   | 1.50            | 30   | 1.99                | 35   | 1.09%             | 1    |
| HFRI Fund of Funds Composite Index   |          | 3.28%     | 76   | 4.09%            | 39         | 0.00%         | 73   | 0.79            | 69   | 1.08                | 67   | 0.00%             | 1    |
| GAA Comp                             | 20.13%   | 7.67%     | 36   | 8.77%            | 50         | 1.41%         | 51   | 0.87            | 51   | 1.10                | 51   | 3.23%             | 21   |
| 60% MSCI ACWI (Net)/40%<br>CITI WGBI |          | 6.95%     | 44   | 9.12%            | 56         | 0.00%         | 57   | 0.76            | 54   | 0.96                | 56   | 0.00%             | 1    |
| Commodities                          | 3.91%    | -3.12%    |      | 12.53%           |            | 1.01%         |      | -0.25           |      | -0.35               |      | 5.14%             |      |

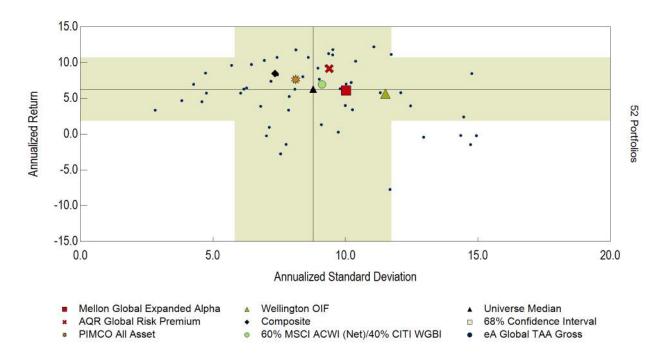


# Total Fund Risk Statistics

| 5 Years Ending June 30, 2014<br>% of Tot Anlzd Ret Rank Anlzd Std Rank Anlzd Ay Rank Sharpe Rank Sortino Rank Tracking Rank |          |           |      |                  |      |          |      |                 |      |                     |      |                   |      |  |
|---|----------|-----------|------|------------------|------|----------|------|-----------------|------|---------------------|------|-------------------|------|--|
|   | % of Tot | Anlzd Ret | Rank | Anlzd Std<br>Dev | Rank | Anlzd AJ | Rank | Sharpe<br>Ratio | Rank | Sortino<br>Ratio RF | Rank | Tracking<br>Error | Rank |  |
| Municipal Composite   | 100.00%  | 12.68%    | 39   | 8.09%            | 49   | 1.82%    | 8    | 1.56            | 32   | 2.49                | 27   | 1.19%             | 49   |  |
| Policy Index  |          | 10.25%    | 85   | 7.56%            | 36   | 0.00%    | 64   | 1.35            | 86   | 2.13                | 70   | 0.00%             | 1    |  |
| US Equity   | 16.78%   |           |      |                  |      |          |      |                 |      |                     |      |                   |      |  |
| Russell 3000  |          | 19.33%    | 62   | 13.94%           | 30   | 0.00%    | 51   | 1.38            | 38   | 2.27                | 33   | 0.00%             | 1    |  |
| Large Cap Comp  | 10.37%   | 20.59%    | 16   | 14.16%           | 55   | 0.77%    | 31   | 1.45            | 26   | 2.33                | 28   | 1.33%             | 1    |  |
| S&P 500   |          | 18.83%    | 48   | 13.40%           | 31   | 0.00%    | 46   | 1.40            | 38   | 2.32                | 28   | 0.00%             | 1    |  |
| Small/Mid Cap Comp  | 6.40%    | 21.64%    | 46   | 16.18%           | 36   | 3.82%    | 45   | 1.33            | 39   | 2.29                | 28   | 2.89%             | 1    |  |
| Russell 2000  |          | 20.21%    | 74   | 18.23%           | 77   | 0.00%    | 91   | 1.10            | 84   | 1.81                | 79   | 0.00%             | 1    |  |
| Int'l Equity Comp   | 9.78%    | 12.93%    | 68   | 15.86%           | 21   | 2.05%    | 57   | 0.81            | 53   | 1.16                | 51   | 2.26%             | 10   |  |
| MSCI EAFE   |          | 11.77%    | 87   | 17.05%           | 57   | 0.00%    | 86   | 0.69            | 85   | 1.00                | 80   | 0.00%             | 1    |  |
| Emerging Market Comp  | 6.50%    |           |      |                  |      |          |      |                 |      |                     |      |                   |      |  |
| MSCI Emerging Markets   |          | 9.24%     | 78   | 19.15%           | 44   | 0.00%    | 76   | 0.48            | 76   | 0.72                | 71   | 0.00%             | 1    |  |
| US Fixed Income   | 24.93%   |           |      |                  |      |          |      |                 |      |                     |      |                   |      |  |
| Barclays Aggregate  |          | 4.85%     | 65   | 2.85%            | 45   | 0.00%    | 88   | 1.68            | 76   | 2.43                | 75   | 0.00%             | 1    |  |
| Diversified Fixed   | 18.01%   | 7.42%     | 35   | 3.82%            | 69   | 1.77%    | 40   | 1.92            | 60   | 3.38                | 34   | 1.94%             | 43   |  |
| Barclays Aggregate  |          | 4.85%     | 65   | 2.85%            | 45   | 0.00%    | 88   | 1.68            | 76   | 2.43                | 75   | 0.00%             | 1    |  |
| High Yield Comp   | 3.84%    | 12.31%    | 79   | 5.33%            | 19   | 1.58%    | 25   | 2.30            | 25   | 3.20                | 43   | 1.91%             | 66   |  |
| Barclays High Yield   |          | 13.98%    | 41   | 6.82%            | 68   | 0.00%    | 70   | 2.04            | 63   | 2.99                | 62   | 0.00%             | 1    |  |
| TIPS  | 3.07%    |           |      |                  |      |          |      |                 |      |                     |      |                   |      |  |
| Barclays US TIPS  |          | 5.55%     | 77   | 5.22%            | 80   | 0.00%    | 90   | 1.05            | 93   | 1.37                | 79   | 0.00%             | 1    |  |
| Global Fixed Income Comp  | 2.80%    | 5.59%     | 70   | 6.10%            | 52   | 2.19%    | 77   | 0.90            | 72   | 1.45                | 56   | 2.57%             | 21   |  |
| Citi WGBI   |          | 3.60%     | 98   | 5.87%            | 45   | 0.00%    | 99   | 0.60            | 96   | 0.76                | 97   | 0.00%             | 1    |  |
| Emerging Market Debt  | 5.17%    |           |      |                  |      |          |      |                 |      |                     |      |                   |      |  |
| JP Morgan EMBI Global TR  |          | 10.43%    | 57   | 7.31%            | 9    | 0.00%    | 49   | 1.42            | 42   | 1.94                | 33   | 0.00%             | 1    |  |
| Total Real Estate   | 4.26%    |           |      |                  |      |          |      |                 |      |                     |      |                   |      |  |
| NCREIF Property Index   |          | 9.67%     |      | 5.39%            |      | 0.00%    |      | 1.78            |      | 4.61                |      | 0.00%             |      |  |
| Hedge Fund Comp   | 5.14%    |           |      |                  |      |          |      |                 |      |                     |      |                   |      |  |
| HFRI Fund of Funds Composite Index  |          | 4.23%     | 79   | 4.07%            | 33   | 0.00%    | 75   | 1.02            | 64   | 1.41                | 65   | 0.00%             | 1    |  |
| GAA Comp  | 20.13%   | 12.73%    | 25   | 8.63%            | 52   | 4.55%    | 19   | 1.47            | 26   | 2.09                | 36   | 3.69%             | 24   |  |
| 60% MSCI ACWI (Net)/40%<br>CITI WGBI  |          | 10.16%    | 46   | 10.01%           | 69   | 0.00%    | 71   | 1.01            | 60   | 1.53                | 60   | 0.00%             | 1    |  |
| Commodities   | 3.91%    |           |      |                  |      |          |      |                 |      |                     |      |                   |      |  |



### Total Global Asset Allocation/Better Beta



Annualized Return vs. Annualized Standard Deviation 3 Years Ending June 30, 2014

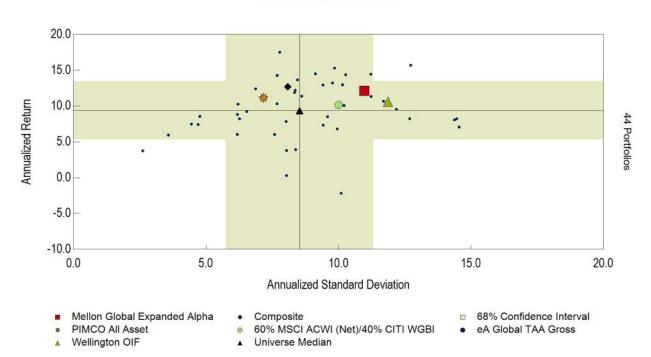
### Statistics Summary

#### 3 Years Ending June 30, 2014

|                              | Anlzd Return | Anlzd Standard Deviation |
|------------------------------|--------------|--------------------------|
| GAA Comp                     | 7.67%        | 8.77%                    |
| Mellon Global Expanded Alpha | 6.11%        | 10.02%                   |
| AQR Global Risk Premium      | 9.15%        | 9.39%                    |
| PIMCO All Asset              | 7.64%        | 8.12%                    |
| Wellington OIF               | 5.65%        | 11.51%                   |
| Composite                    | 8.46%        | 7.34%                    |



### Total Global Asset Allocation/Better Beta



Annualized Return vs. Annualized Standard Deviation 5 Years Ending June 30, 2014

### Statistics Summary

### 5 Years Ending June 30, 2014

|                              | AnIzd Return | AnIzd Standard Deviation |
|------------------------------|--------------|--------------------------|
| GAA Comp                     | 12.73%       | 8.63%                    |
| Mellon Global Expanded Alpha | 12.12%       | 10.98%                   |
| AQR Global Risk Premium      |              |                          |
| PIMCO All Asset              | 11.14%       | 7.17%                    |
| Wellington OIF               | 10.61%       | 11.87%                   |
| Composite                    | 12.68%       | 8.09%                    |



# **VPIC Allocation Comparison**



Total Fund Performance

|                                |             |            |              |              |              | Ending J      | une 30, 2014         |
|--------------------------------|-------------|------------|--------------|--------------|--------------|---------------|----------------------|
|                                | 3 Mo<br>(%) | YTD<br>(%) | 1 Yr<br>(%)  | 3 Yrs<br>(%) | 5 Yrs<br>(%) | 10 Yrs<br>(%) | Market Value<br>(\$) |
| VPIC Composite                 | 4.0         | 6.7        | 14.4         | 8.3          | 12.6         | 6.8           | 4,023,971,551        |
|                                |             |            |              |              |              |               |                      |
| Vermont State Teachers         | 4.0         | 6.7        | 14.2         | 8.2          | 12.5         | 6.8           | 1,699,280,948        |
| Allocation Index               | 3.3         | 5.1        | 13.1         | 7.1          | 10.7         | 6.3           |                      |
| Policy Index                   | 3.3         | 5.2        | 13.4         | 7.3          | 10.3         | 6.4           |                      |
| Vermont State Employees        | 4.0         | 6.7        | 14.5         | 8.4          | 12.6         | 6.9           | 1,649,761,578        |
| Allocation Index               | 3.3         | 5.2        | 14.5         | 0.4<br>7.1   | 12.0         | 6.5           | 1,049,701,370        |
| Policy Index                   | 3.3         | 5.2        | 13.4<br>13.4 | 7.7          | 10.7         | 6.5           |                      |
|                                | 0.0         | 0.2        | 10.4         | 7.0          | 10.2         | 0.0           |                      |
| Vermont Municipal Employees    | 4.0         | 6.7        | 14.6         | 8.5          | 12.7         | 7.0           | 522,532,252          |
| Allocation Index               | 3.3         | 5.1        | 13.4         | 7.3          | 10.7         | 6.6           |                      |
| Policy Index                   | 3.3         | 5.2        | 13.4         | 7.3          | 10.2         | 6.7           |                      |
| City of Burlington             | 4.0         | 6.7        | 14.4         | 8.3          | 12.6         | 6.5           | 152,396,774          |
| Allocation Index               | 3.3         | 5.1        | 14.4         | 0.0          | 12.0         | 0.0           | 152,590,774          |
| Policy Index                   | 3.3         | 5.2        | 13.3         | 7.3          | 10.2         | 6.0           |                      |
| 60% MSCI World / 40% CITI WGBI | 3.9         | 5.2<br>6.0 | 13.4         | 8.2          | 10.2         | 6.9           |                      |
|                                | 5.9         | 0.0        | 11.7         | 0.2          | 10.9         | 0.3           |                      |



## Total Fund Performance Detail

|                                      | Market Value<br>(\$) | % of<br>Portfolio | Policy % | 3 Mo<br>(%) | Rank | YTD<br>(%) | Rank | 1 Yr<br>(%) | Rank | 3 Yrs<br>(%) | Rank | 5 Yrs<br>(%) | Rank |
|--------------------------------------|----------------------|-------------------|----------|-------------|------|------------|------|-------------|------|--------------|------|--------------|------|
| Composite                            | 4,023,971,551        | 100.0             | 100.0    | 4.0         | 20   | 6.7        | 3    | 14.4        | 76   | 8.3          | 83   | 12.6         | 43   |
| InvestorForce Public DB Gross Median |                      |                   |          | 3.5         |      | 5.2        |      | 16.0        |      | 9.5          |      | 12.3         |      |
| Total Equity                         | 1,314,511,989        | 32.7              |          | 4.9         | 43   | 7.3        | 35   | 23.2        | 58   |              |      |              |      |
| MSCI ACWI                            |                      |                   |          | 5.0         | 39   | 6.2        | 53   | 22.9        | 60   | 10.3         | 74   | 14.3         | 78   |
| eA All Global Equity Gross Median    |                      |                   |          | 4.7         |      | 6.3        |      | 24.1        |      | 12.0         |      | 16.2         |      |
| US Equity                            | 668,631,479          | 16.6              |          | 4.3         | 49   | 6.2        | 51   | 25.1        | 55   |              |      |              |      |
| Russell 3000                         |                      |                   |          | 4.9         | 36   | 6.9        | 39   | 25.2        | 53   | 16.5         | 44   | 19.3         | 62   |
| eA All US Equity Gross Median        |                      |                   |          | 4.2         |      | 6.2        |      | 25.5        |      | 16.0         |      | 20.0         |      |
| Large Cap Comp                       | 434,607,928          | 10.8              | 10.0     | 5.4         | 29   | 7.5        | 39   | 25.7        | 50   | 16.8         | 40   | 20.6         | 16   |
| S&P 500                              |                      |                   |          | 5.2         | 33   | 7.1        | 45   | 24.6        | 61   | 16.6         | 44   | 18.8         | 48   |
| eA US Large Cap Equity Gross Median  |                      |                   |          | 4.7         |      | 6.8        |      | 25.6        |      | 16.2         |      | 18.7         |      |
| T. Rowe                              | 121,639,641          | 3.0               | 3.0      | 5.5         | 25   | 7.1        | 46   | 25.7        | 49   | 17.1         | 32   | 18.9         | 46   |
| S&P 500                              |                      |                   |          | 5.2         | 33   | 7.1        | 45   | 24.6        | 61   | 16.6         | 44   | 18.8         | 48   |
| SSgA S&P 500 Cap-Wgt                 | 198,771,476          | 4.9               | 4.0      | 5.2         | 33   | 7.1        | 45   | 24.6        | 61   | 16.6         | 43   |              |      |
| S&P 500                              |                      |                   |          | 5.2         | 33   | 7.1        | 45   | 24.6        | 61   | 16.6         | 44   | 18.8         | 48   |
| SSgA S&P 500 Equal-Wgt               | 114,196,811          | 2.8               | 3.0      | 5.5         | 27   | 8.6        | 19   | 27.3        | 31   | 17.2         | 32   | 22.4         | 4    |
| S&P 500 Equal Weighted               |                      |                   |          | 5.5         | 24   | 8.7        | 18   | 27.4        | 31   | 17.2         | 32   | 22.4         | 4    |

All sub-composite returns for the total plan are based off TRS returns up to 4/31/2012, and include all plans thereafter.

Note: Returns are gross of manager fees. Results for periods longer than one year are annualized.

Fiscal Year End is 6/30



# Total Fund Performance Detail

|  | Market Value<br>(\$) | % of<br>Portfolio | Policy % | 3 Mo<br>(%) | Rank | YTD<br>(%) | Rank | 1 Yr<br>(%) | Rank | 3 Yrs<br>(%) | Rank | 5 Yrs<br>(%) | Rank |
|--|----------------------|-------------------|----------|-------------|------|------------|------|-------------|------|--------------|------|--------------|------|
| Small/Mid Cap Comp                         | 234,023,551          | 5.8               | 6.5      | 2.4         | 56   | 3.8        | 65   | 23.8        | 68   | 15.4         | 51   | 21.6         | 50   |
| Russell 2000                               |                      |                   |          | 2.0         | 65   | 3.2        | 72   | 23.6        | 69   | 14.6         | 59   | 20.2         | 74   |
| eA US Small-Mid Cap Equity Gross Median    |                      |                   |          | 2.8         |      | 4.9        |      | 25.7        |      | 15.4         |      | 21.5         |      |
| SSgA S&P 400                               | 21,729,242           | 0.5               | 0.5      | 4.3         | 40   | 7.5        | 36   | 25.3        | 58   |              |      |              |      |
| S&P 400 MidCap                             |                      |                   |          | 4.3         | 40   | 7.5        | 36   | 25.2        | 59   | 15.3         | 51   | 21.7         | 44   |
| eA US Mid Cap Equity Gross Median          |                      |                   |          | 3.9         |      | 6.2        |      | 26.6        |      | 15.3         |      | 21.4         |      |
| Champlain                                  | 81,344,162           | 2.0               | 2.0      | 4.3         | 42   | 5.8        | 57   | 25.9        | 55   | 15.9         | 41   |              |      |
| Russell 2500                               |                      |                   |          | 3.6         | 60   | 5.9        | 54   | 25.6        | 56   | 15.5         | 49   | 21.6         | 45   |
| eA US Mid Cap Equity Gross Median          |                      |                   |          | 3.9         |      | 6.2        |      | 26.6        |      | 15.3         |      | 21.4         |      |
| Wellington                                 | 78,378,725           | 1.9               | 2.0      | 0.4         | 93   | 2.0        | 90   | 20.1        | 93   | 15.4         | 66   | 22.1         | 42   |
| Russell 2000 Value                         |                      |                   |          | 2.4         | 68   | 4.2        | 65   | 22.5        | 79   | 14.6         | 75   | 19.9         | 79   |
| eA US Small Cap Value Equity Gross Median  |                      |                   |          | 3.1         |      | 5.1        |      | 25.4        |      | 16.4         |      | 21.7         |      |
| SSgA Russell 2000 Growth                   | 52,571,423           | 1.3               | 2.0      | 1.7         | 26   | 2.2        | 38   | 24.6        | 47   | 14.5         | 55   | 20.5         | 73   |
| Russell 2000 Growth                        |                      |                   |          | 1.7         | 27   | 2.2        | 37   | 24.7        | 46   | 14.5         | 55   | 20.5         | 73   |
| eA US Small Cap Growth Equity Gross Median |                      |                   |          | 0.2         |      | 1.0        |      | 24.2        |      | 14.9         |      | 21.9         |      |
| Int'l Equity Comp                          | 386,617,281          | 9.6               | 10.0     | 4.8         | 25   | 8.6        | 8    | 28.0        | 22   | 9.3          | 54   | 12.9         | 69   |
| MSCI EAFE                                  |                      |                   |          | 4.1         | 45   | 4.8        | 54   | 23.6        | 60   | 8.1          | 76   | 11.8         | 87   |
| eA All EAFE Equity Gross Median            |                      |                   |          | 3.8         |      | 5.0        |      | 24.4        |      | 9.5          |      | 13.7         |      |



# Total Fund Performance Detail

|   | Market Value<br>(\$) | % of<br>Portfolio | Policy % | 3 Mo<br>(%) | Rank | YTD<br>(%) | Rank | 1 Yr<br>(%) | Rank | 3 Yrs<br>(%) | Rank | 5 Yrs<br>(%) | Rank |
|---|----------------------|-------------------|----------|-------------|------|------------|------|-------------|------|--------------|------|--------------|------|
| Acadian                                   | 159,736,761          | 4.0               | 4.0      | 3.9         | 48   | 8.7        | 7    | 30.0        | 14   | 9.9          | 43   | 14.0         | 44   |
| Mondrian                                  | 164,726,297          | 4.1               | 4.0      | 5.6         | 10   | 9.5        | 4    | 28.1        | 22   | 9.9          | 44   | 12.7         | 74   |
| MSCI EAFE                                 |                      |                   |          | 4.1         | 45   | 4.8        | 54   | 23.6        | 60   | 8.1          | 76   | 11.8         | 87   |
| S&P EPAC LargeMidCap                      |                      |                   |          | 4.6         | 29   | 5.3        | 44   | 23.9        | 55   | 8.3          | 72   | 12.5         | 76   |
| SSgA ACWI Ex US                           | 62,154,223           | 1.5               | 2.0      | 5.2         | 23   | 5.8        | 34   | 22.1        | 48   | 6.0          | 87   |              |      |
| MSCI ACWI ex USA                          |                      |                   |          | 5.0         | 26   | 5.6        | 43   | 21.8        | 50   | 5.7          | 91   | 11.1         | 95   |
| eA ACWI ex-US All Cap Equity Gross Median |                      |                   |          | 4.1         |      | 4.6        |      | 21.7        |      | 8.6          |      | 14.1         |      |
| Emerging Market Comp                      | 259,263,230          | 6.4               | 6.0      |             |      |            |      |             |      |              |      |              |      |
| eA Emg Mkts Equity Gross Median           |                      |                   |          |             |      |            |      |             |      |              |      |              |      |
| Aberdeen                                  | 259,263,230          | 6.4               | 6.0      | 6.5         | 69   | 8.2        | 28   | 10.2        | 90   | 4.2          | 21   | 14.5         | 14   |
| MSCI Emerging Markets                     |                      |                   |          | 6.6         | 67   | 6.1        | 61   | 14.3        | 64   | -0.4         | 81   | 9.2          | 78   |
| eA Emg Mkts Equity Gross Median           |                      |                   |          | 7.2         |      | 6.7        |      | 15.5        |      | 2.2          |      | 11.6         |      |
| US Fixed Income                           | 982,621,322          | 24.4              |          | 2.5         | 29   | 4.8        | 33   | 5.4         | 43   |              |      |              |      |
| Barclays Aggregate                        |                      |                   |          | 2.0         | 49   | 3.9        | 51   | 4.4         | 61   | 3.7          | 63   | 4.9          | 65   |
| eA All US Fixed Inc Gross Median          |                      |                   |          | 2.0         |      | 3.9        |      | 4.9         |      | 4.4          |      | 5.7          |      |



# Total Fund Performance Detail

|   | Market Value<br>(\$) | % of<br>Portfolio | Policy % | 3 Mo<br>(%) | Rank | YTD<br>(%) | Rank | 1 Yr<br>(%) | Rank | 3 Yrs<br>(%) | Rank | 5 Yrs<br>(%) | Rank |
|---|----------------------|-------------------|----------|-------------|------|------------|------|-------------|------|--------------|------|--------------|------|
| Diversified Fixed Income                      | 704,478,385          | 17.5              | 18.0     | 2.4         | 30   | 4.6        | 36   | 4.5         | 60   | 4.6          | 46   | 7.4          | 35   |
| Barclays Aggregate                            |                      |                   |          | 2.0         | 49   | 3.9        | 51   | 4.4         | 61   | 3.7          | 63   | 4.9          | 65   |
| eA All US Fixed Inc Gross Median              |                      |                   |          | 2.0         |      | 3.9        |      | 4.9         |      | 4.4          |      | 5.7          |      |
| Allianz Structured Alpha                      | 100,544,660          | 2.5               | 2.0      | 4.0         | 2    | 8.2        | 3    | 7.9         | 3    | 5.4          | 11   | 9.4          | 1    |
| Citigroup 10 Year Treasury                    |                      |                   |          | 2.7         | 6    | 6.1        | 4    | 2.8         | 98   | 5.0          | 20   | 5.0          | 77   |
| PIMCO Core Plus                               | 247,781,138          | 6.2               | 6.5      | 2.2         | 39   | 4.0        | 61   | 3.9         | 83   | 4.4          | 53   |              |      |
| Barclays Aggregate                            |                      |                   |          | 2.0         | 58   | 3.9        | 62   | 4.4         | 71   | 3.7          | 84   | 4.9          | 83   |
| PIMCO Unconstrained                           | 255,774,063          | 6.4               | 6.5      | 1.7         | 80   | 2.7        | 92   | 2.5         | 99   | 2.9          | 97   |              |      |
| 25% HY, 25% EMD, 50% BC Agg                   |                      |                   |          | 3.0         | 4    | 5.6        | 5    | 7.9         | 3    | 6.2          | 5    | 8.5          | 2    |
| 3-Month Libor Total Return USD                |                      |                   |          | 0.1         | 99   | 0.1        | 99   | 0.2         | 99   | 0.3          | 99   | 0.3          | 99   |
| Wellington DAS                                | 100,378,523          | 2.5               | 3.0      | 3.4         | 3    | 7.8        | 3    | 7.6         | 5    | 8.8          | 2    | 8.2          | 4    |
| Wellington Custom Benchmark                   |                      |                   |          | 4.4         | 2    | 11.2       | 2    | 5.9         | 16   | 8.1          | 2    | 7.2          | 12   |
| High Yield Comp                               | 158,218,581          | 3.9               | 4.0      | 1.7         | 87   | 4.6        | 80   | 10.2        | 79   | 9.2          | 63   | 12.3         | 79   |
| eA US High Yield Fixed Inc Gross Median       |                      |                   |          | 2.4         |      | 5.5        |      | 11.7        |      | 9.5          |      | 13.7         |      |
| KDP   | 38,525,004           | 1.0               | 1.0      | 1.9         | 80   | 4.5        | 81   | 9.3         | 83   | 8.4          | 81   |              |      |
| Guggenheim                                    | 119,693,578          | 3.0               | 3.0      | 1.6         | 89   | 4.6        | 78   |             |      |              |      |              |      |
| Barclays High Yield                           |                      |                   |          | 2.4         | 46   | 5.5        | 55   | 11.7        | 47   | 9.5          | 52   | 14.0         | 41   |
| BofA Merrill Lynch US High Yield BB-B Rated   |                      |                   |          | 2.5         | 40   | 5.5        | 50   | 11.4        | 57   | 9.0          | 68   | 12.6         | 75   |
| eA US High Yield Fixed Inc Gross Median       |                      |                   |          | 2.4         |      | 5.5        |      | 11.7        |      | 9.5          |      | 13.7         |      |
| TIPS  | 119,924,356          | 3.0               | 3.0      |             |      |            |      |             |      |              |      |              |      |
| eA TIPS / Infl Indexed Fixed Inc Gross Median |                      |                   |          |             |      |            |      |             |      |              |      |              |      |
| BlackRock TIPS                                | 119,924,356          | 3.0               | 3.0      | 3.8         |      | 5.8        |      | 4.5         |      | 3.5          |      |              |      |
| Barclays US TIPS                              |                      |                   |          | 3.8         |      | 5.8        |      | 4.4         |      | 3.6          |      | 5.6          |      |

Wellington Custom Benchmark: 5/1/2002 - 5/31/2011 is the Barclays Aggregate; 6/1/2011 - Present is the Citigroup US Strips Index



# Total Fund Performance Detail

|  | Market Value<br>(\$) | % of<br>Portfolio | Policy % | 3 Mo<br>(%) | Rank | YTD<br>(%) | Rank | 1 Yr<br>(%) | Rank | 3 Yrs<br>(%) | Rank | 5 Yrs<br>(%) | Rank |
|--|----------------------|-------------------|----------|-------------|------|------------|------|-------------|------|--------------|------|--------------|------|
| Global Fixed Income Comp               | 117,287,789          | 2.9               | 3.0      | 2.0         | 74   | 4.0        | 81   | 5.5         | 82   | 1.1          | 94   | 5.6          | 70   |
| eA All Global Fixed Inc Gross Median   |                      |                   |          | 2.6         |      | 5.4        |      | 8.6         |      | 5.0          |      | 7.0          |      |
| Mondrian GFI                           | 117,287,789          | 2.9               | 3.0      | 2.0         | 74   | 4.0        | 81   | 5.5         | 82   | 0.2          | 98   | 4.1          | 97   |
| Citi WGBI                              |                      |                   |          | 2.3         | 65   | 5.0        | 61   | 6.8         | 72   | 1.6          | 92   | 3.6          | 98   |
| Emerging Market Debt                   | 208,709,051          | 5.2               | 5.0      |             |      |            |      |             |      |              |      |              |      |
| eA All Emg Mkts Fixed Inc Gross Median |                      |                   |          |             |      |            |      |             |      |              |      |              |      |
| Wellington Opportunistic EMD           | 208,709,051          | 5.2               | 5.0      | 5.3         | 22   | 9.2        | 18   | 11.1        | 26   | 8.3          | 14   |              |      |
| JP Morgan EMBI Global TR               |                      |                   |          | 5.4         | 19   | 9.1        | 19   | 11.0        | 26   | 7.6          | 29   | 10.4         | 57   |
| eA All Emg Mkts Fixed Inc Gross Median |                      |                   |          | 4.8         |      | 7.5        |      | 9.6         |      | 6.6          |      | 11.0         |      |
| Total Real Estate                      | 201,972,911          | 5.0               | 4.5      | 4.1         |      | 7.1        |      | 14.4        |      |              |      |              |      |
| Morgan Stanley Prime Property          | 88,401,029           | 2.2               | 2.0      | 3.3         |      | 6.3        |      | 14.8        |      | 15.2         |      | 11.1         |      |
| UBS Trumbull                           | 77,020,681           | 1.9               | 2.0      | 2.5         |      | 5.1        |      | 10.4        |      | 10.5         |      | 9.4          |      |
| RREEF America REIT III                 | 26,794,066           | 0.7               | 0.5      | 13.4        |      | 18.1       |      | 27.4        |      | 22.4         |      | 16.6         |      |
| Siguler Guff                           | 8,800,000            | 0.2               |          |             |      |            |      |             |      |              |      |              |      |
| Transwestern / Aslan III               | 957,135              | 0.0               | 0.0      | 5.8         |      | 6.1        |      | 10.7        |      | 16.2         |      | -5.1         |      |
| NCREIF Property Index                  |                      |                   |          | 2.9         |      | 5.7        |      | 11.2        |      | 11.3         |      | 9.7          |      |
| NCREIF ODCE                            |                      |                   |          | 2.9         |      | 5.5        |      | 12.7        |      | 12.4         |      | 10.0         |      |



# Total Fund Performance Detail

|  | Market Value<br>(\$) | % of<br>Portfolio | Policy % | 3 Mo<br>(%) | Rank | YTD<br>(%) | Rank | 1 Yr<br>(%) | Rank | 3 Yrs<br>(%) | Rank | 5 Yrs<br>(%) | Rank |
|--|----------------------|-------------------|----------|-------------|------|------------|------|-------------|------|--------------|------|--------------|------|
| Transwestern / Aslan III               | 957,135              | 0.0               | 0.0      | 5.8         |      | 6.1        |      | 10.7        |      | 16.2         |      | -5.1         |      |
| NCREIF Property Index                  |                      |                   |          | 2.9         |      | 5.7        |      | 11.2        |      | 11.3         |      | 9.7          |      |
| NCREIF ODCE                            |                      |                   |          | 2.9         |      | 5.5        |      | 12.7        |      | 12.4         |      | 10.0         |      |
| Hedge Fund Comp                        | 201,554,976          | 5.0               | 5.0      | 1.8         | 40   | 3.2        | 38   | 10.4        | 33   | 6.8          | 27   |              |      |
| eA HFN FOF - Multi-Strategy Net Median |                      |                   |          | 1.5         |      | 2.6        |      | 9.3         |      | 5.3          |      | 6.4          |      |
| Grosvenor                              | 80,753,709           | 2.0               | 2.0      | 1.3         | 60   | 2.9        | 45   | 11.0        | 30   | 6.9          | 26   |              |      |
| GAM                                    | 39,860,150           | 1.0               | 1.0      | 1.4         | 55   | 1.8        | 61   | 7.4         | 66   | 6.7          | 28   |              |      |
| Permal                                 | 80,941,117           | 2.0               | 2.0      | 2.4         | 24   | 4.2        | 27   | 11.2        | 29   | 6.8          | 27   |              |      |
| HFRI Fund of Funds Composite Index     |                      |                   |          | 1.5         | 53   | 2.0        | 58   | 7.6         | 65   | 3.3          | 76   | 4.2          | 79   |
| GAA Comp                               | 818,562,593          | 20.3              | 20.0     | 5.7         | 11   | 8.9        | 11   | 16.1        | 33   | 7.7          | 36   | 12.7         | 25   |
| eA Global TAA Gross Median             |                      |                   |          | 3.7         |      | 5.4        |      | 13.3        |      | 6.3          |      | 9.4          |      |
| Mellon Global Expanded Alpha           | 78,074,689           | 1.9               | 2.5      | 4.4         | 32   | -0.4       | 96   | 8.9         | 76   | 6.1          | 52   | 12.1         | 29   |
| Mellon GA GEA Index                    |                      |                   |          | 3.5         | 59   | 5.6        | 44   | 14.3        | 44   | 7.6          | 36   | 9.8          | 48   |
| AQR Global Risk Premium                | 336,846,014          | 8.4               | 8.0      | 8.0         | 1    | 14.1       | 1    | 18.8        | 9    | 9.2          | 26   |              |      |
| 60% MSCI World / 40% CITI WGBI         |                      |                   |          | 3.9         | 43   | 6.0        | 35   | 17.4        | 22   | 8.2          | 32   | 10.9         | 37   |



## Total Fund Performance Detail

|  | Market Value<br>(\$) | % of<br>Portfolio | Policy % | 3 Mo<br>(%) | Rank | YTD<br>(%) | Rank | 1 Yr<br>(%) | Rank | 3 Yrs<br>(%) | Rank | 5 Yrs<br>(%) | Rank |
|--|----------------------|-------------------|----------|-------------|------|------------|------|-------------|------|--------------|------|--------------|------|
| PIMCO All Asset                              | 244,114,413          | 6.1               | 5.0      | 4.5         | 27   | 7.4        | 15   | 12.4        | 58   | 7.6          | 36   | 11.1         | 36   |
| PIMCO All Asset Index                        |                      |                   |          | 3.0         | 69   | 5.0        | 56   | 7.4         | 86   | 5.5          | 60   | 7.6          | 72   |
| CPI + 5% (Seasonally Adjusted)               |                      |                   |          | 2.1         | 81   | 3.8        | 76   | 7.2         | 87   | 6.9          | 44   | 7.1          | 79   |
| Wellington OIF                               | 159,527,476          | 4.0               | 4.5      | 3.5         | 58   | 6.0        | 34   | 19.4        | 7    | 5.7          | 60   | 10.6         | 38   |
| 65% MSCI World (Net) /35% BC Agg             |                      |                   |          | 3.9         | 43   | 5.4        | 47   | 16.9        | 29   | 9.1          | 26   | 11.6         | 32   |
| Commodities                                  | 155,892,109          | 3.9               | 4.0      |             |      |            |      |             |      |              |      |              |      |
| Schroder                                     | 155,892,109          | 3.9               | 4.0      | 1.0         |      | 6.9        |      | 8.6         |      | -3.1         |      |              |      |
| Bloomberg Commodity Index                    |                      |                   |          | 0.1         |      | 7.1        |      | 8.2         |      | -5.2         |      | 2.0          |      |
| Cash   | 3,052,171            | 0.1               | 0.0      | 0.0         |      | 0.0        |      | 0.0         |      | 0.0          |      | 0.2          |      |
| 91 Day T-Bills                               |                      |                   |          | 0.0         |      | 0.0        |      | 0.0         |      | 0.0          |      | 0.1          |      |
| Private Equity                               | 19,806,640           | 0.5               | 1.0      |             |      |            |      |             |      |              |      |              |      |
| Cambridge Private Equity Index               |                      |                   |          |             |      |            |      |             |      |              |      |              |      |
| Harbourvest Partners IX Credit Opportunities | 1,021,449            | 0.0               |          |             |      |            |      |             |      |              |      |              |      |
| Harbourvest Partners IX Venture Fund         | 4,934,740            | 0.1               |          |             |      |            |      |             |      |              |      |              |      |
| Harbourvest Partners IX Buyout Fund          | 5,705,611            | 0.1               |          |             |      |            |      |             |      |              |      |              |      |
| Harbourvest Dover VIII Fund                  | 8,144,840            | 0.2               |          |             |      |            |      |             |      |              |      |              |      |

Harbourvest is based on final Capital Account Statements for Q1 2014, and cash adjusted through June for any Capital Calls or Distributions

Real Estate performance reported on a quarterly basis. NCREIF Property is available 25 days after quarter end.

PIMCO All Asset Index: 40% BC Agg / 30% TIPS / 10% S&P500 / 10% BC HY / 10% JPM EMBI+

Mellon CF GEA Index: 50% MSCI ACWI / 25% CITI WGBI H/H / 10% BC Global Inflation Linked H/H /5% BC US Interm. Credit / 5% DJ-UBS Commodity / 5% R2000.



|                                |             |      |             |      |             |      |             |      |             |      |             |      | Ending June 30, 2014 |      |             |      |             |      |
|--------------------------------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|----------------------|------|-------------|------|-------------|------|
|                                | 2013<br>(%) | Rank | 2012<br>(%) | Rank | 2011<br>(%) | Rank | 2010<br>(%) | Rank | 2009<br>(%) | Rank | 2008<br>(%) | Rank | 2007<br>(%)          | Rank | 2006<br>(%) | Rank | 2005<br>(%) | Rank |
|                                |             |      |             |      |             |      |             |      |             |      |             |      |                      |      |             |      |             |      |
| Vermont State Teachers         | 8.1         | 96   | 13.2        | 24   | 2.2         | 17   | 14.9        | 12   | 26.5        | 9    | -30.1       | 94   | 6.3                  | 83   | 15.7        | 6    | 5.6         | 73   |
| Allocation Index               | 9.3         | 93   | 10.8        | 72   | 0.7         | 62   | 11.6        | 74   | 22.7        | 26   | -25.2       | 57   | 6.5                  | 80   | 14.8        | 17   | 5.1         | 81   |
| Policy Index                   | 9.5         | 92   | 10.9        | 71   | 0.6         | 62   | 11.7        | 72   | 19.3        | 55   | -24.3       | 49   | 7.6                  | 52   | 14.4        | 20   | 6.6         | 57   |
|                                |             |      |             |      |             |      |             |      |             |      |             |      |                      |      |             |      |             |      |
| Vermont Municipal Employees    | 8.9         | 93   | 13.1        | 24   | 2.2         | 17   | 14.9        | 12   | 27.8        | 5    | -29.4       | 89   | 6.3                  | 85   | 14.8        | 17   | 7.8         | 32   |
| Allocation Index               | 10.0        | 91   | 10.7        | 73   | 0.6         | 62   | 11.8        | 70   | 22.2        | 29   | -23.0       | 41   | 6.7                  | 79   | 13.6        | 37   | 6.5         | 57   |
| Policy Index                   | 9.5         | 92   | 10.9        | 71   | 0.6         | 62   | 11.7        | 72   | 19.3        | 55   | -21.9       | 35   | 7.7                  | 51   | 13.7        | 35   | 7.2         | 47   |
| Vermont State Employees        | 8.6         | 94   | 13.1        | 25   | 2.2         | 17   | 14.9        | 12   | 27.4        | 6    | -29.6       | 90   | 6.4                  | 81   | 14.9        | 16   | 6.6         | 56   |
| Allocation Index               | 9.8         | 91   | 10.6        | 74   | 0.5         | 63   | 11.9        | 69   | 22.6        | 26   | -23.9       | 46   | 6.6                  | 79   | 14.1        | 27   | 6.0         | 66   |
| Policy Index                   | 9.5         | 92   | 10.9        | 71   | 0.6         | 62   | 11.7        | 72   | 19.5        | 53   | -22.5       | 39   | 7.6                  | 52   | 13.9        | 31   | 6.3         | 59   |
|                                |             |      |             |      |             |      |             |      |             |      |             |      |                      |      |             |      |             |      |
| City of Burlington             | 8.4         | 95   | 13.1        | 25   | 2.2         | 17   | 14.9        | 12   | 26.6        | 7    | -30.3       | 96   | 5.5                  | 93   | 13.4        | 43   | 7.9         | 27   |
| Policy Index                   | 9.5         | 92   | 10.9        | 71   | 0.6         | 62   | 11.7        | 72   | 19.3        | 55   | -24.3       | 49   | 7.4                  | 58   | 12.6        | 55   | 6.1         | 66   |
| 60% MSCI World / 40% CITI WGBI | 13.9        | 69   | 10.6        | 75   | -0.3        | 78   | 9.8         | 93   | 19.2        | 56   | -22.7       | 41   | 10.3                 | 14   | 14.7        | 18   | 3.1         | 99   |



## Total Fund Yearly Performance

|  | 2013<br>(%) | Rank | 2012<br>(%) | Rank | 2011<br>(%) | Rank | 2010<br>(%) | Rank | 2009<br>(%) | Rank | 2008<br>(%) | Rank | 2007<br>(%) | Rank | 2006<br>(%) | Rank | 2005<br>(%) | Rank |
|--|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|
| Composite                                  | 8.4         | 95   | 13.2        | 24   | 2.2         | 17   | 14.9        | 12   | 26.8        | 7    | -29.8       | 93   | 6.3         | 82   | 15.3        | 12   | 6.2         | 62   |
| InvestorForce Public DB Gross<br>Median    | 15.5        |      | 12.2        |      | 0.9         |      | 12.8        |      | 20.3        |      | -24.7       |      | 7.7         |      | 13.0        |      | 6.9         |      |
| Total Equity                               | 23.4        | 65   |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |
| MSCI ACWI                                  | 22.8        | 66   | 16.1        | 61   | -7.3        | 53   | 12.7        | 65   | 34.6        | 44   | -42.2       | 55   | 11.7        | 50   | 21.0        | 61   | 10.8        | 70   |
| eA All Global Equity Gross Median          | 26.2        |      | 17.2        |      | -7.0        |      | 14.3        |      | 33.3        |      | -41.3       |      | 11.6        |      | 22.5        |      | 13.0        |      |
| US Equity                                  |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |
| Russell 3000                               | 33.6        | 64   | 16.4        | 45   | 1.0         | 39   | 16.9        | 61   | 28.3        | 60   | -37.3       | 54   | 5.1         | 60   | 15.7        | 46   | 6.1         | 72   |
| eA All US Equity Gross Median              | 35.6        |      | 16.0        |      | -0.4        |      | 19.6        |      | 30.9        |      | -36.9       |      | 6.8         |      | 15.1        |      | 8.5         |      |
| Large Cap Comp                             | 33.9        | 48   | 16.6        | 38   | 1.4         | 41   | 17.6        | 22   | 40.4        | 11   | -40.3       | 81   | 4.6         | 74   | 16.2        | 40   | 4.6         | 79   |
| S&P 500                                    | 32.4        | 62   | 16.0        | 45   | 2.1         | 34   | 15.1        | 47   | 26.5        | 56   | -37.0       | 57   | 5.5         | 68   | 15.8        | 43   | 4.9         | 77   |
| eA US Large Cap Equity Gross<br>Median     | 33.6        |      | 15.6        |      | 0.4         |      | 14.8        |      | 28.0        |      | -36.3       |      | 8.0         |      | 14.8        |      | 7.7         |      |
| T. Rowe                                    | 33.7        | 49   | 16.8        | 35   | 1.8         | 37   | 14.0        | 61   | 30.4        | 41   | -36.0       | 49   | 6.2         | 62   | 16.9        | 36   |             |      |
| S&P 500                                    | 32.4        | 62   | 16.0        | 45   | 2.1         | 34   | 15.1        | 47   | 26.5        | 56   | -37.0       | 57   | 5.5         | 68   | 15.8        | 43   | 4.9         | 77   |
| SSgA S&P 500 Cap-Wgt                       | 32.4        | 61   | 16.1        | 44   | 2.2         | 33   |             |      |             |      |             |      |             |      |             |      |             |      |
| S&P 500                                    | 32.4        | 62   | 16.0        | 45   | 2.1         | 34   | 15.1        | 47   | 26.5        | 56   | -37.0       | 57   | 5.5         | 68   | 15.8        | 43   | 4.9         | 77   |
| SSgA S&P 500 Equal-Wgt                     | 36.2        | 29   | 17.5        | 29   | -0.1        | 56   | 22.0        | 5    | 46.7        | 4    | -40.6       | 83   | 0.5         | 90   | 15.9        | 42   |             |      |
| S&P 500 Equal Weighted                     | 36.2        | 29   | 17.7        | 27   | -0.1        | 56   | 21.9        | 5    | 46.3        | 5    | -39.7       | 78   | 1.5         | 87   | 15.8        | 43   | 8.1         | 47   |
| Small/Mid Cap Comp                         | 38.4        | 49   | 15.2        | 59   | 0.9         | 31   | 27.3        | 48   | 33.1        | 60   | -34.0       | 21   | 1.8         | 73   | 10.9        | 71   | 4.8         | 89   |
| Russell 2000                               | 38.8        | 45   | 16.3        | 49   | -4.2        | 70   | 26.9        | 52   | 27.2        | 82   | -33.8       | 21   | -1.6        | 84   | 18.4        | 21   | 4.6         | 90   |
| eA US Small-Mid Cap Equity<br>Gross Median | 38.2        |      | 16.0        |      | -1.5        |      | 26.9        |      | 35.2        |      | -38.1       |      | 8.8         |      | 13.9        |      | 10.4        |      |
| SSgA S&P 400                               | 33.7        | 68   | 17.9        | 31   |             |      |             |      |             |      |             |      |             |      |             |      |             |      |
| S&P 400 MidCap                             | 33.5        | 70   | 17.9        | 31   | -1.7        | 52   | 26.6        | 33   | 37.4        | 53   | -36.2       | 30   | 8.0         | 59   | 10.3        | 72   | 12.5        | 47   |
| eA US Mid Cap Equity Gross<br>Median       | 35.8        |      | 16.1        |      | -1.4        |      | 24.5        |      | 37.9        |      | -40.1       |      | 9.7         |      | 13.7        |      | 12.1        |      |

All sub-composite returns for the total plan are based off TRS returns up to 4/31/2012, and include all plans thereafter.

Note: Returns are gross of manager fees. Results for periods longer than one year are annualized.



|   | 2013<br>(%) | Rank | 2012<br>(%) | Rank | 2011<br>(%) | Rank | 2010<br>(%) | Rank | 2009<br>(%) | Rank | 2008<br>(%) | Rank | 2007<br>(%) | Rank | 2006<br>(%) | Rank | 2005<br>(%) | Rank |
|---|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|
| Champlain                                     | 39.2        | 26   | 12.9        | 78   | 3.8         | 14   | 22.8        | 64   |             |      |             |      |             |      |             |      |             |      |
| Russell 2500                                  | 36.8        | 43   | 17.9        | 31   | -2.5        | 60   | 26.7        | 33   | 34.4        | 66   | -36.8       | 34   | 1.4         | 85   | 16.2        | 31   | 8.1         | 83   |
| eA US Mid Cap Equity Gross<br>Median          | 35.8        |      | 16.1        |      | -1.4        |      | 24.5        |      | 37.9        |      | -40.1       |      | 9.7         |      | 13.7        |      | 12.1        |      |
| Wellington                                    | 34.9        | 77   | 16.9        | 51   | 1.8         | 16   | 28.3        | 39   | 32.6        | 50   | -26.5       | 15   | -2.1        | 45   | 20.5        | 33   | 11.2        | 26   |
| Russell 2000 Value                            | 34.5        | 78   | 18.0        | 43   | -5.5        | 69   | 24.5        | 72   | 20.6        | 85   | -28.9       | 27   | -9.8        | 82   | 23.5        | 14   | 4.7         | 78   |
| eA US Small Cap Value Equity<br>Gross Median  | 38.1        |      | 16.9        |      | -3.3        |      | 26.9        |      | 32.0        |      | -32.3       |      | -2.9        |      | 18.7        |      | 8.2         |      |
| SSgA Russell 2000 Growth                      | 43.3        | 70   | 14.7        | 47   | -3.0        | 61   | 29.2        | 44   | 34.2        | 60   | -38.4       | 26   |             |      |             |      |             |      |
| Russell 2000 Growth                           | 43.3        | 70   | 14.6        | 48   | -2.9        | 60   | 29.1        | 46   | 34.5        | 59   | -38.5       | 26   | 7.0         | 64   | 13.3        | 40   | 4.2         | 79   |
| eA US Small Cap Growth<br>Equity Gross Median | 45.6        |      | 14.3        |      | -1.5        |      | 28.6        |      | 36.5        |      | -41.5       |      | 11.0        |      | 12.3        |      | 7.6         |      |
| Int'l Equity Comp                             | 23.6        | 57   | 14.0        | 92   | -9.2        | 22   | 9.4         | 71   | 25.4        | 92   | -42.0       | 33   | 10.9        | 64   | 33.7        | 11   | 14.2        | 78   |
| MSCI EAFE                                     | 22.8        | 65   | 17.3        | 77   | -12.1       | 53   | 7.8         | 83   | 31.8        | 69   | -43.4       | 45   | 11.2        | 62   | 26.3        | 61   | 13.5        | 83   |
| eA All EAFE Equity Gross Median               | 24.6        |      | 20.4        |      | -12.0       |      | 11.7        |      | 36.5        |      | -44.1       |      | 13.2        |      | 27.3        |      | 17.5        |      |
| Acadian                                       | 27.2        | 31   | 17.0        | 82   | -13.0       | 60   | 14.6        | 34   | 27.7        | 85   | -49.0       | 85   | 8.7         | 78   | 37.4        | 3    |             |      |
| Mondrian                                      | 23.9        | 55   | 9.8         | 99   | -3.5        | 3    | 3.6         | 97   | 24.4        | 94   | -37.1       | 11   | 12.4        | 55   | 31.1        | 22   | 13.4        | 83   |
| MSCI EAFE                                     | 22.8        | 65   | 17.3        | 77   | -12.1       | 53   | 7.8         | 83   | 31.8        | 69   | -43.4       | 45   | 11.2        | 62   | 26.3        | 61   | 13.5        | 83   |
| S&P EPAC LargeMidCap                          | 22.2        | 69   | 18.1        | 70   | -11.7       | 47   | 9.2         | 73   | 34.3        | 59   | -43.3       | 44   | 12.9        | 52   | 25.2        | 74   | 15.2        | 70   |
| SSgA ACWI Ex US                               | 15.5        | 82   | 17.2        | 75   | -13.5       | 73   |             |      |             |      |             |      |             |      |             |      |             |      |
| MSCI ACWI ex USA                              | 15.3        | 83   | 16.8        | 77   | -13.7       | 73   | 11.2        | 75   | 41.4        | 41   | -45.5       | 58   | 16.7        | 63   | 26.7        | 70   | 16.6        | 94   |
| eA ACWI ex-US All Cap Equity<br>Gross Median  | 19.5        |      | 19.6        |      | -11.5       |      | 15.0        |      | 38.7        |      | -45.2       |      | 17.4        |      | 28.6        |      | 20.5        |      |
| Emerging Market Comp                          |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |
| eA Emg Mkts Equity Gross Median               |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |
| Aberdeen                                      | -5.9        | 94   | 26.4        | 11   | -10.5       | 4    | 29.1        | 6    | 81.7        | 37   |             |      |             |      |             |      |             |      |
| MSCI Emerging Markets                         | -2.6        | 80   | 18.2        | 68   | -18.4       | 48   | 18.9        | 64   | 78.5        | 57   | -53.3       | 42   | 39.4        | 60   | 32.2        | 70   | 34.0        | 70   |
| eA Emg Mkts Equity Gross<br>Median            | 1.0         |      | 20.9        |      | -18.6       |      | 20.1        |      | 79.5        |      | -54.0       |      | 40.5        |      | 34.2        |      | 36.5        |      |

|  | 2013<br>(%) | Rank | 2012<br>(%) | Rank | 2011<br>(%) | Rank | 2010<br>(%) | Rank | 2009<br>(%) | Rank | 2008<br>(%) | Rank | 2007<br>(%) | Rank | 2006<br>(%) | Rank | 2005<br>(%) | Rank |
|--|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|
| US Fixed Income                                |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |
| Barclays Aggregate                             | -2.0        | 83   | 4.2         | 70   | 7.8         | 32   | 6.5         | 57   | 5.9         | 73   | 5.2         | 27   | 7.0         | 33   | 4.3         | 72   | 2.4         | 64   |
| eA All US Fixed Inc Gross Median               | -0.3        |      | 6.1         |      | 6.5         |      | 6.9         |      | 9.3         |      | 2.4         |      | 6.2         |      | 4.7         |      | 2.7         |      |
| Diversified Fixed Income                       | -2.3        | 86   | 7.0         | 43   | 8.6         | 21   | 9.5         | 26   | 21.5        | 19   | -14.9       | 87   | 4.4         | 79   |             |      |             |      |
| Barclays Aggregate                             | -2.0        | 83   | 4.2         | 70   | 7.8         | 32   | 6.5         | 57   | 5.9         | 73   | 5.2         | 27   | 7.0         | 33   | 4.3         | 72   | 2.4         | 64   |
| eA All US Fixed Inc Gross<br>Median            | -0.3        |      | 6.1         |      | 6.5         |      | 6.9         |      | 9.3         |      | 2.4         |      | 6.2         |      | 4.7         |      | 2.7         |      |
| Allianz Structured Alpha                       | -2.5        | 95   | 10.6        | 2    | 7.3         | 67   | 12.7        | 1    | 22.6        | 2    |             |      |             |      |             |      |             |      |
| Citigroup 10 Year Treasury                     | -7.8        | 99   | 4.2         | 89   | 17.0        | 1    | 8.1         | 26   | -9.9        | 99   | 20.3        | 1    | 9.8         | 1    | 1.4         | 99   | 2.0         | 93   |
| PIMCO Core Plus                                | -2.5        | 95   | 7.4         | 20   | 7.7         | 52   | 9.1         | 9    |             |      |             |      |             |      |             |      |             |      |
| Barclays Aggregate                             | -2.0        | 82   | 4.2         | 90   | 7.8         | 46   | 6.5         | 76   | 5.9         | 80   | 5.2         | 37   | 7.0         | 47   | 4.3         | 69   | 2.4         | 79   |
| PIMCO Unconstrained                            | -1.5        | 55   | 4.6         | 82   |             |      |             |      |             |      |             |      |             |      |             |      |             |      |
| 25% HY, 25% EMD, 50% BC Agg                    | -0.9        | 27   | 10.6        | 2    | 7.4         | 63   | 10.1        | 6    | 23.1        | 2    | -7.1        | 95   | 5.5         | 86   | 7.6         | 1    | 4.6         | 1    |
| 3-Month Libor Total Return USD                 | 0.3         | 6    | 0.4         | 99   | 0.3         | 99   | 0.3         | 99   | 0.8         | 99   | 3.2         | 56   | 5.5         | 87   | 5.4         | 3    | 3.7         | 3    |
| Wellington DAS                                 | -3.9        | 99   | 8.5         | 8    | 18.3        | 1    | 7.9         | 29   | 9.8         | 43   |             |      |             |      |             |      |             |      |
| Wellington Custom Benchmark                    | -11.7       | 99   | 3.5         | 96   | 25.7        | 1    | 6.5         | 76   | 5.9         | 80   | 5.2         | 37   | 7.0         | 47   | 4.3         | 69   | 2.4         | 79   |
| High Yield Comp                                | 7.6         | 52   | 14.9        | 62   | 5.7         | 37   | 14.0        | 71   | 41.2        | 65   | -19.0       | 29   | 4.7         | 11   |             |      |             |      |
| eA US High Yield Fixed Inc Gross<br>Median     | 7.6         |      | 15.5        |      | 4.9         |      | 14.9        |      | 45.0        |      | -21.2       |      | 3.5         |      | 10.5        |      | 3.7         |      |
| KDP  | 5.2         | 93   | 12.6        | 87   | 6.6         | 15   | 11.7        | 92   |             |      |             |      |             |      |             |      |             |      |
| Guggenheim                                     |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |
| Barclays High Yield                            | 7.4         | 54   | 15.8        | 43   | 5.0         | 49   | 15.1        | 45   | 58.2        | 14   | -26.2       | 81   | 1.9         | 89   | 11.8        | 28   | 2.7         | 81   |
| BofA Merrill Lynch US High Yield<br>BB-B Rated | 6.3         | 80   | 14.7        | 65   | 5.4         | 45   | 14.5        | 64   | 46.1        | 49   | -23.7       | 70   | 2.7         | 72   | 10.7        | 49   | 3.4         | 64   |
| eA US High Yield Fixed Inc<br>Gross Median     | 7.6         |      | 15.5        |      | 4.9         |      | 14.9        |      | 45.0        |      | -21.2       |      | 3.5         |      | 10.5        |      | 3.7         |      |

|  | 2013<br>(%) | Rank | 2012<br>(%) | Rank | 2011<br>(%) | Rank | 2010<br>(%) | Rank | 2009<br>(%) | Rank | 2008<br>(%) | Rank | 2007<br>(%) | Rank | 2006<br>(%) | Rank | 2005<br>(%) | Rank |
|--|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|
| TIPS   |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |
| eA TIPS / Infl Indexed Fixed Inc<br>Gross Median |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |
| BlackRock TIPS                                   | -8.6        |      | 7.0         |      | 13.6        |      | 6.4         |      |             |      |             |      |             |      |             |      |             |      |
| Barclays US TIPS                                 | -8.6        |      | 7.0         |      | 13.6        |      | 6.3         |      | 11.4        |      | -2.4        |      | 11.6        |      | 0.4         |      | 2.8         |      |
| Global Fixed Income Comp                         | -6.2        | 97   | 3.7         | 90   | 7.3         | 21   | 10.9        | 21   | 16.0        | 32   | 0.3         | 57   | 11.2        | 15   |             |      |             |      |
| eA All Global Fixed Inc Gross<br>Median          | 0.2         |      | 9.5         |      | 5.0         |      | 7.3         |      | 10.6        |      | 1.4         |      | 8.7         |      | 6.1         |      | -1.2        |      |
| Mondrian GFI                                     | -6.2        | 97   | 2.1         | 97   | 5.8         | 38   | 8.6         | 33   | 8.8         | 59   | 10.2        | 11   | 11.5        | 13   | 5.5         | 64   | -3.5        | 61   |
| Citi WGBI  | -4.0        | 86   | 1.6         | 98   | 6.4         | 33   | 5.2         | 85   | 2.6         | 97   | 10.9        | 9    | 11.0        | 17   | 6.1         | 51   | -6.9        | 93   |
| Emerging Market Debt                             |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |
| eA All Emg Mkts Fixed Inc Gross<br>Median        |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |
| Wellington Opportunistic EMD                     | -5.1        | 39   | 19.9        | 35   | 7.6         | 16   | 13.7        | 70   |             |      |             |      |             |      |             |      |             |      |
| JP Morgan EMBI Global TR                         | -6.6        | 61   | 18.5        | 59   | 8.5         | 7    | 12.0        | 87   | 28.2        | 65   | -10.9       | 52   | 6.3         | 73   | 9.9         | 95   | 10.7        | 74   |
| eA All Emg Mkts Fixed Inc Gross<br>Median        | -6.1        |      | 19.1        |      | 2.6         |      | 14.5        |      | 30.7        |      | -10.8       |      | 7.7         |      | 12.3        |      | 12.3        |      |
| Total Real Estate                                | 14.7        |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |
| Morgan Stanley Prime Property                    | 17.4        |      | 12.6        |      | 16.8        |      | 15.8        |      | -33.7       |      | -4.7        |      | 16.2        |      | 18.4        |      | 19.9        |      |
| UBS Trumbull                                     | 10.4        |      | 10.2        |      | 13.2        |      | 16.9        |      | -22.3       |      | -7.5        |      | 13.9        |      | 16.6        |      | 21.1        |      |
| RREEF America REIT III                           | 16.9        |      | 23.8        |      | 55.4        |      | 9.1         |      | -64.1       |      | -41.7       |      | 18.1        |      |             |      |             |      |
| Siguler Guff                                     |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |
| Transwestern / Aslan III                         | 49.9        |      | 13.8        |      | -11.8       |      | -41.9       |      | -87.7       |      | -26.0       |      | 3.5         |      | -16.3       |      |             |      |
| NCREIF Property Index                            | 11.0        |      | 10.5        |      | 14.3        |      | 13.1        |      | -16.9       |      | -6.5        |      | 15.8        |      | 16.6        |      | 20.1        |      |
| NCREIF ODCE                                      | 13.9        |      | 10.9        |      | 16.0        |      | 16.4        |      | -29.8       |      | -10.0       |      | 16.0        |      | 16.3        |      | 21.4        |      |



|   | 2013<br>(%) | Rank | 2012<br>(%) | Rank | 2011<br>(%) | Rank | 2010<br>(%) | Rank | 2009<br>(%) | Rank | 2008<br>(%) | Rank | 2007<br>(%) | Rank | 2006<br>(%) | Rank | 2005<br>(%) | Rank |
|---|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|
| NCREIF ODCE                               | 13.9        |      | 10.9        |      | 16.0        |      | 16.4        |      | -29.8       |      | -10.0       |      | 16.0        |      | 16.3        |      | 21.4        |      |
| Hedge Fund Comp                           | 14.1        | 22   | 9.3         | 24   | -3.8        | 46   |             |      |             |      |             |      |             |      |             |      |             |      |
| eA\HFN FOF - Multi-Strategy Net<br>Median | 10.5        |      | 6.5         |      | -4.0        |      | 6.1         |      | 13.9        |      | -20.2       |      | 11.2        |      | 10.8        |      | 7.6         |      |
| Grosvenor                                 | 15.2        | 16   | 8.5         | 29   | -3.4        | 42   |             |      |             |      |             |      |             |      |             |      |             |      |
| GAM                                       | 14.0        | 22   | 8.3         | 31   | -3.5        | 43   |             |      |             |      |             |      |             |      |             |      |             |      |
| Permal                                    | 13.0        | 29   | 10.5        | 14   | -5.5        | 66   |             |      |             |      |             |      |             |      |             |      |             |      |
| HFRI Fund of Funds Composite<br>Index     | 9.0         | 60   | 4.8         | 71   | -5.7        | 68   | 5.7         | 55   | 11.5        | 62   | -21.4       | 57   | 10.3        | 56   | 10.4        | 56   | 7.5         | 51   |
| GAA Comp                                  | 3.2         | 69   | 15.3        | 2    | 0.8         | 34   | 18.0        | 19   | 31.0        | 21   | -26.3       | 61   | 5.7         | 87   |             |      |             |      |
| eA Global TAA Gross Median                | 7.7         |      | 10.6        |      | -0.8        |      | 14.6        |      | 23.4        |      | -25.5       |      | 11.0        |      | 14.3        |      | 8.4         |      |
| Mellon Global Expanded Alpha              | 12.2        | 31   | 11.3        | 40   | 1.0         | 34   | 16.1        | 29   | 31.4        | 17   | -36.0       | 92   | 1.7         | 95   |             |      |             |      |
| Mellon GA GEA Index                       | 10.3        | 40   | 11.5        | 37   | -0.6        | 50   | 8.8         | 86   | 17.4        | 79   | -22.4       | 46   | 7.9         | 60   |             |      |             |      |
| AQR Global Risk Premium                   | -2.0        | 88   | 16.0        | 1    | 7.0         | 12   | 25.1        | 5    |             |      |             |      |             |      |             |      |             |      |
| 60% MSCI World / 40% CITI WGBI            | 13.9        | 24   | 10.6        | 51   | -0.3        | 43   | 9.8         | 83   | 19.2        | 78   | -22.7       | 46   | 10.3        | 52   | 14.7        | 47   | 3.1         | 99   |
| PIMCO All Asset                           | 1.7         | 74   | 16.5        | 1    | 3.4         | 17   | 14.7        | 50   | 24.1        | 44   | -14.8       | 24   | 9.6         | 53   |             |      |             |      |
| PIMCO All Asset Index                     | 0.2         | 77   | 8.1         | 62   | 7.6         | 11   | 8.5         | 87   | 16.5        | 80   | -6.7        | 14   | 7.7         | 61   | 6.0         | 99   | 3.5         | 99   |
| CPI + 5% (Seasonally Adjusted)            | 6.6         | 54   | 6.8         | 69   | 8.2         | 11   | 6.5         | 94   | 8.0         | 92   | 5.0         | 1    | 9.3         | 53   | 7.6         | 99   | 8.5         | 47   |
| Wellington OIF                            | 12.1        | 32   | 14.3        | 11   | -13.8       | 98   | 17.8        | 20   | 36.8        | 14   |             |      |             |      |             |      |             |      |
| 65% MSCI World (Net) /35% BC<br>Agg       | 15.9        | 15   | 11.9        | 29   | -0.7        | 50   | 10.5        | 81   | 21.6        | 62   | -26.9       | 64   | 8.4         | 55   | 14.4        | 48   | 7.1         | 75   |

Real Estate performance reported on a quarterly basis. NCREIF Property is available 25 days after quarter end.

PIMCO All Asset Index: 40% BC Agg / 30% TIPS / 10% S&P500 / 10% BC HY / 10% JPM EMBI+

Mellon CF GEA Index: 50% MSCI ACWI / 25% CITI WGBI H/H / 10% BC Global Inflation Linked H/H /5% BC US Interm. Credit / 5% DJ-UBS Commodity / 5% R2000.



|   | 2013<br>(%) | Rank | 2012<br>(%) | Rank | 2011<br>(%) | Rank | 2010<br>(%) | Rank | 2009<br>(%) | Rank | 2008<br>(%) | Rank | 2007<br>(%) | Rank | 2006<br>(%) | Rank | 2005<br>(%) | Rank |
|---|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|
| Commodities                                     |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |
| Schroder  | -8.4        |      | 0.5         |      | -6.8        | 99   | 17.1        | 53   |             |      |             |      |             |      |             |      |             |      |
| Bloomberg Commodity Index                       | -9.5        |      | -1.1        |      | -13.3       | 99   | 16.8        | 55   | 18.9        | 67   | -35.6       | 30   | 16.2        | 94   | 2.1         | 56   | 21.4        | 99   |
| Cash  | 0.0         |      | 0.1         |      | 0.2         |      | 0.3         |      | 0.6         |      | 2.4         |      | 6.4         |      | 5.2         |      | 5.4         |      |
| 91 Day T-Bills                                  | 0.0         |      | 0.1         |      | 0.0         |      | 0.1         |      | 0.1         |      | 1.3         |      | 4.4         |      | 5.0         |      | 3.2         |      |
| Private Equity                                  |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |
| Cambridge Private Equity Index                  |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |
| Harbourvest Partners IX Credit<br>Opportunities |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |
| Harbourvest Partners IX Venture<br>Fund         |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |
| Harbourvest Partners IX Buyout<br>Fund          |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |
| Harbourvest Dover VIII Fund                     |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |             |      |



# Manager Characteristics



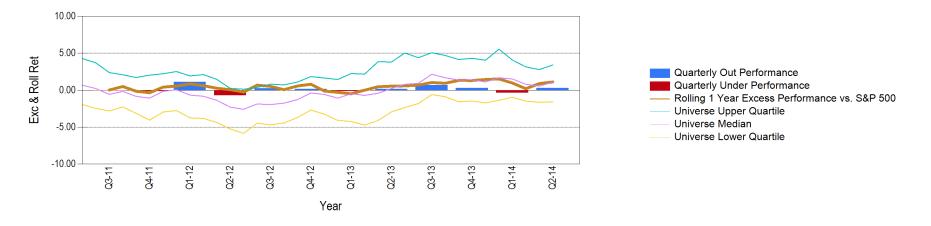
### T. Rowe

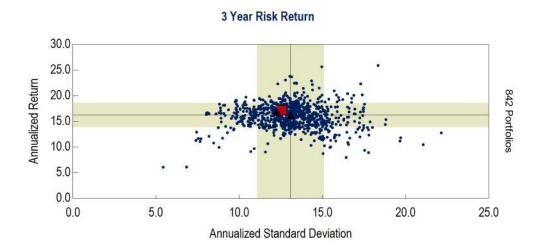
T. Rowe Price employs a fundamental, bottom-up approach to investing in equity assets. The strategy delivers a research portfolio managed by the firm's industry analysts and representing their best ideas. The Structured Research Strategy seeks to provide superior long-term returns and capture the style of the S&P 500 Stock Index by combining analyst-driven research and security selection with the benefits of disciplined portfolio construction. T. Rowe Price's approach results in an industry and sector neutral portfolio that aims to consistently and reliably provide alpha through bottom-up, fundamental research and stock selection, consistent excess returns, index like return volatility, low tracking error (below 175bps), and a high information ratio.



eA US Large Cap Equity Gross Accounts

**Annualized Excess Performance** 





| Characteristics                 |           |         |
|---------------------------------|-----------|---------|
|                                 | Portfolio | S&P 500 |
| Number of Holdings              | 264       | 501     |
| Weighted Avg. Market Cap. (\$B) | 113.8     | 118.1   |
| Median Market Cap. (\$B)        | 23.6      | 17.5    |
| Price To Earnings               | 23.8      | 20.4    |
| Price To Book                   | 4.4       | 3.9     |
| Price To Sales                  | 3.3       | 2.7     |
| Return on Equity (%)            | 19.5      | 18.8    |
| Yield (%)                       | 1.7       | 2.0     |
| Beta                            | 1.0       | 1.0     |
| R-Squared                       | 1.0       | 1.0     |

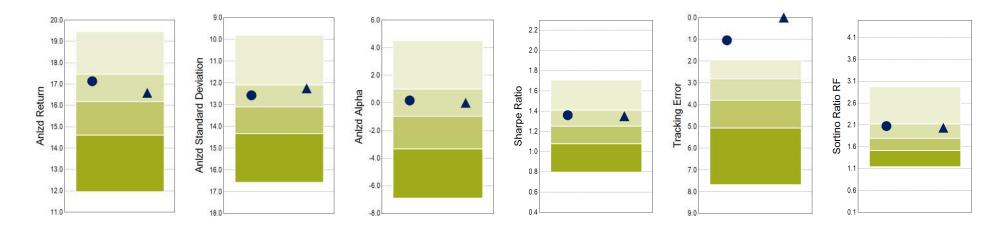


S&P 500 ٠

Universe Median .

68% Confidence Interval 

• eA US Large Cap Equity Gross



### **3 Year Risk Statistics**

### NEPC, LLC

June 30, 2014

Using a replication process, we purchase each security for the Strategy in the same capitalization weight as it appears in the S&P 500 Index. Replication results in low turnover, accurate tracking, and low costs. SSgA's internal liquidity has allowed the firm to acquire many of the benchmark constituents for free. These free trading opportunities have allowed SSgA to gradually reduce security-level misweights while avoiding the open market. This process has resulted in portfolios that look and behave like the benchmark, and do so at a very low cost. SSgA's passive equity process objective is to remain fully invested in the equity market at all times. To accomplish this, it holds a small amount of unleveraged exchange-traded S&P 500® futures contracts to maintain full exposure. SSgA tends to hold approximately 1-3% of the strategy's value in suitable CFTC approved index futures contracts. This position in futures also allows the firm to accommodate cash flows into and out of the portfolio on a daily basis and to equitize dividend receivables to achieve closer tracking.

#### **Characteristics**

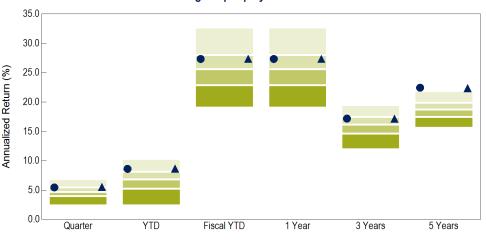
|                                 | Portfolio | S&P 500 |
|---------------------------------|-----------|---------|
| Number of Holdings              | 506       | 501     |
| Weighted Avg. Market Cap. (\$B) | 118.4     | 118.1   |
| Median Market Cap. (\$B)        | 17.4      | 17.5    |
| Price To Earnings               | 21.5      | 20.4    |
| Price To Book                   | 4.2       | 3.9     |
| Price To Sales                  | 3.0       | 2.7     |
| Return on Equity (%)            | 20.0      | 18.8    |
| Yield (%)                       | 2.0       | 2.0     |
| Beta                            | 1.0       | 1.0     |
| R-Squared                       | 1.0       | 1.0     |



eA US Large Cap Equity Gross Accounts

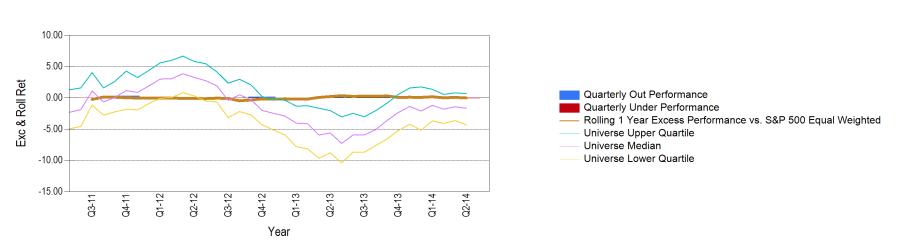


The Strategy is managed using a "passive" or "indexing" investment approach, by which SSgA attempts to match, before expenses, the performance of the Index. SSqA will typically attempt to invest in the securities comprising the Index, in the same proportions as they are represented in the Index. In some cases, it may not be possible or practicable to purchase all of the securities comprising the Index, or to hold them in the same weightings as they represent in the Index. In those circumstances, SSqA may employ a sampling or optimization technique to construct the portfolio in question. From time to time securities are added to or removed from the Index. SSgA may sell securities that are represented in the Index, or purchase securities that are not yet represented in the Index, in anticipation of their removal from or addition to the Index. The Strategy may at times purchase or sell futures contracts on the Index, or options on those futures, or engage in other transactions involving the use of derivatives, in lieu of investment directly in the securities making up the Index or to enhance the Strategy's replication of the Index return. The Strategy's return may not match the return of the Index.



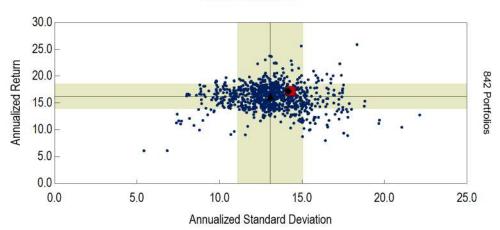
eA US Large Cap Equity Gross Accounts

● SSgA S&P 500 Equal-Wgt ▲ S&P 500 Equal Weighted

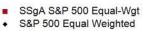




## SSgA S&P 500 Equal-Wgt



3 Year Risk Return



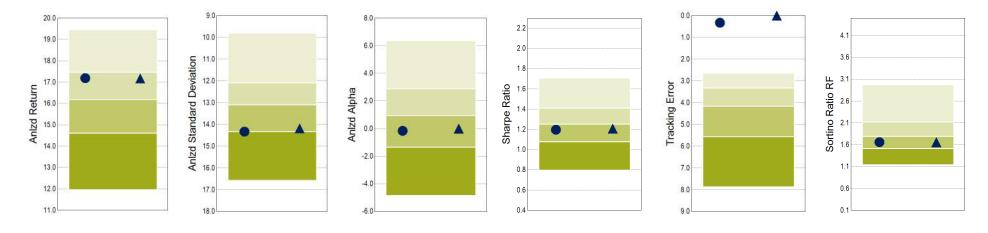
Universe Median

- 68% Confidence Interval
- eA US Large Cap Equity Gross

#### Characteristics

~ ~ - - - -

|                                 | Portfolio | S&P 500 |
|---------------------------------|-----------|---------|
| Number of Holdings              | 505       | 501     |
| Weighted Avg. Market Cap. (\$B) | 35.5      | 118.1   |
| Median Market Cap. (\$B)        | 17.5      | 17.5    |
| Price To Earnings               | 24.0      | 20.4    |
| Price To Book                   | 3.9       | 3.9     |
| Price To Sales                  | 2.8       | 2.7     |
| Return on Equity (%)            | 18.1      | 18.8    |
| Yield (%)                       | 1.8       | 2.0     |
| Beta                            | 1.1       | 1.0     |
| R-Squared                       | 1.0       | 1.0     |
|                                 |           |         |



### **3 Year Risk Statistics**

NEPC, LLC

The Strategy is managed using a "passive" or "indexing" investment approach, by which SSqA attempts to match, before expenses, the performance of the Index. SSgA will typically attempt to invest in the securities comprising the Index, in the same proportions as they are represented in the Index. In some cases, it may not be possible or practicable to purchase all of the securities comprising the Index, or to hold them in the same weightings as they represent in the Index. In those circumstances, SSgA may employ a sampling or optimization technique to construct the portfolio in question. From time to time securities are added to or removed from the Index. SSgA may sell securities that are represented in the Index, or purchase securities that are not yet represented in the Index, in anticipation of their removal from or addition to the Index. The Strategy may at times purchase or sell futures contracts on the Index, or options on those futures, or engage in other transactions involving the use of derivatives, in lieu of investment directly in the securities making up the Index or to enhance the Strategy's replication of the Index return. The Strategy's return may not match the return of the Index.

#### **Characteristics**

|                                 | Portfolio | S&P 400<br>MidCap |
|---------------------------------|-----------|-------------------|
| Number of Holdings              | 404       | 400               |
| Weighted Avg. Market Cap. (\$B) | 5.2       | 5.3               |
| Median Market Cap. (\$B)        | 3.9       | 3.9               |
| Price To Earnings               | 25.2      | 24.1              |
| Price To Book                   | 3.7       | 3.2               |
| Price To Sales                  | 2.8       | 2.6               |
| Return on Equity (%)            | 15.3      | 13.6              |
| Yield (%)                       | 1.4       | 1.4               |
| Beta                            |           | 1.0               |
| R-Squared                       |           | 1.0               |



### Champlain

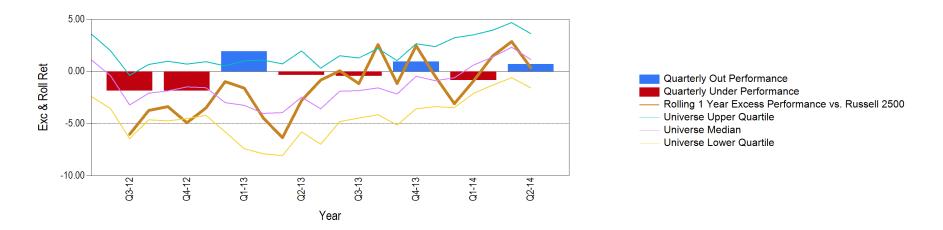
Champlain employs a fundamental, bottom-up approach to investing in equity assets. They believe that superior companies purchased at attractive valuations have the highest probability to wealth creation. Champlain seeks strong businesses with credible and sincere management and aims to buy shares of their stock at discounts to fair or intrinsic value. Portfolio construction applies sector weight guidelines and position size rules to manage risk. The portfolio will have some exposure to at least seven out of the eight largest sectors of the S&P 400, with a maximum weighting on 25% in any one sector. Individual positions will not represent more than 2% of the respective companies' outstanding shares and are limited to no more than 5% of assets under management. The portfolio typically holds 50-75 securities with average position sizes of 2%. The strategy's minimum market cap is \$1.5 billion at purchase and a maximum market cap of \$15 billion. In general, no more than 10% of portfolio in stocks with a market cap below \$2B and no more than 5% of portfolio in companies with market cap above \$20B.

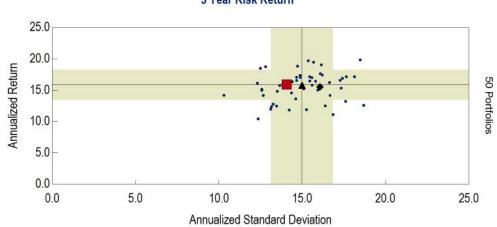


eA US Mid Cap Core Equity Gross Accounts

Champlain A Russell 2500

**Annualized Excess Performance** 





3 Year Risk Return



|                                 | Portfolio | Russell<br>2500 |
|---------------------------------|-----------|-----------------|
| Number of Holdings              | 60        | 2,499           |
| Weighted Avg. Market Cap. (\$B) | 9.2       | 3.9             |
| Median Market Cap. (\$B)        | 6.5       | 1.0             |
| Price To Earnings               | 25.2      | 23.8            |
| Price To Book                   | 4.2       | 3.2             |
| Price To Sales                  | 3.4       | 2.7             |
| Return on Equity (%)            | 17.3      | 12.3            |
| Yield (%)                       | 1.2       | 1.2             |
| Beta                            |           | 1.0             |
| R-Squared                       |           | 1.0             |

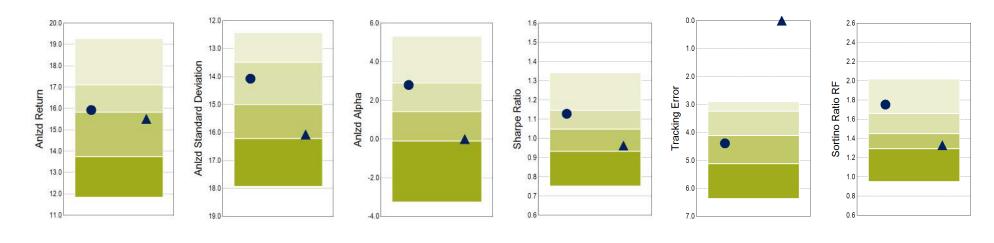


Russell 2500

Universe Median

68% Confidence Interval

eA US Mid Cap Core Equity Gross



### **3 Year Risk Statistics**

### Wellington

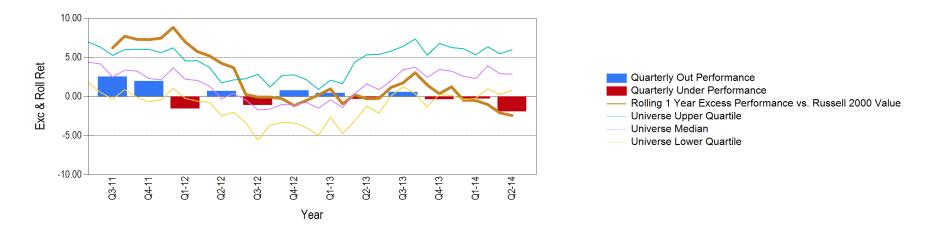
Wellington's investment objective is to seek long-term total returns in excess of the Russell 2000 Value Index by investing in conservatively-valued securities of high-quality, small cap companies. Wellington employ a bottom-up stock selection process that utilizes Wellington Management's proprietary, fundamental research to identify undervalued companies that have the potential for significant longer-term rewards. The investment universe consists of all stocks generally between US\$100 million and US\$2 billion in market capitalization. These stocks are reviewed for certain financial and valuation requirements that correspond with our investment process and philosophy. The Small Cap Value Team conducts their own proprietary research and leverages the broader research of the firm as appropriate. The Portfolio is expected to have a lower P/E ratio and other value-oriented characteristics relative to the overall small cap market, with a similar market capitalization. The return on equity is expected to be higher than the small cap value indexes, consistent with the high-quality focus.



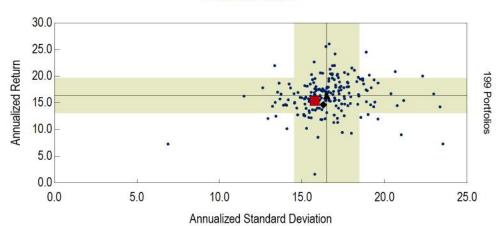
▲ Russell 2000 Value

eA US Small Cap Value Equity Gross Accounts

**Annualized Excess Performance** 







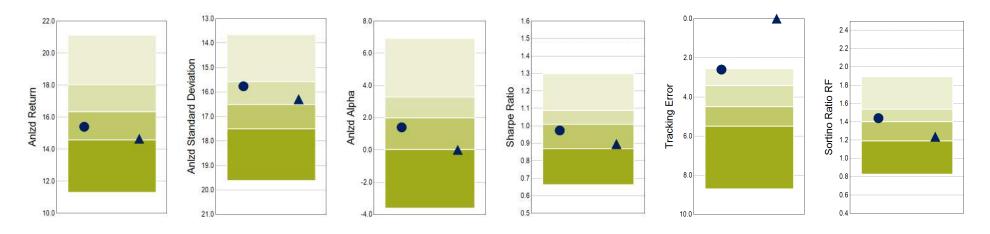
3 Year Risk Return

### Characteristics

|                                 | Portfolio 20 | Russell<br>000 Value |
|---------------------------------|--------------|----------------------|
| Number of Holdings              | 76           | 1,321                |
| Weighted Avg. Market Cap. (\$B) | 1.7          | 1.7                  |
| Median Market Cap. (\$B)        | 1.5          | 0.7                  |
| Price To Earnings               | 24.7         | 20.0                 |
| Price To Book                   | 2.1          | 1.8                  |
| Price To Sales                  | 2.1          | 2.4                  |
| Return on Equity (%)            | 10.1         | 7.5                  |
| Yield (%)                       | 1.6          | 1.6                  |
| Beta                            |              | 1.0                  |
| R-Squared                       |              | 1.0                  |



- Russell 2000 Value
- Universe Median
- 68% Confidence Interval
- eA US Small Cap Value Equity Gross



### **3 Year Risk Statistics**

The Strategy is managed using a "passive" or "indexing" investment approach, by which SSqA attempts to match, before expenses, the performance of the Index. SSgA will typically attempt to invest in the securities comprising the Index, in the same proportions as they are represented in the Index. In some cases, it may not be possible or practicable to purchase all of the securities comprising the Index, or to hold them in the same weightings as they represent in the Index. In those circumstances, SSqA may employ a sampling or optimization technique to construct the portfolio in question. From time to time securities are added to or removed from the Index. SSgA may sell securities that are represented in the Index, or purchase securities that are not yet represented in the Index, in anticipation of their removal from or addition to the Index. The Strategy may at times purchase or sell futures contracts on the Index, or options on those futures, or engage in other transactions involving the use of derivatives, in lieu of investment directly in the securities making up the Index or to enhance the Strategy's replication of the Index return. The Strategy's return may not match the return of the Index.

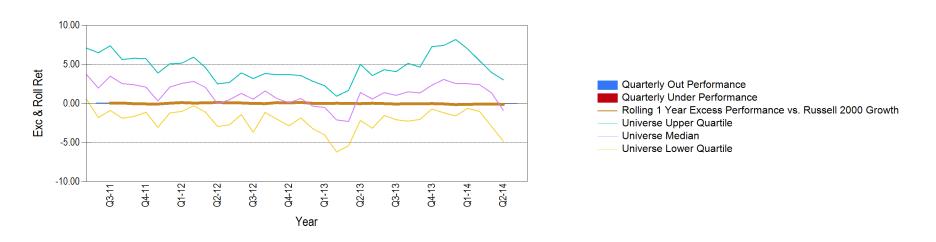
35.0 30.0 25.0 Annualized Return (%) 20.0 15.0 10.0 5.0 0.0 -5 0 -10.0 Fiscal YTD 1 Year 3 Years 5 Years Quarter YTD

▲ Russell 2000 Growth

SSgA Russell 2000 Growth

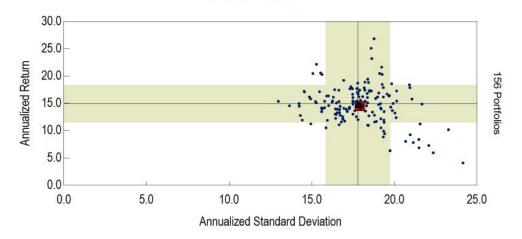
eA US Small Cap Growth Equity Gross Accounts







## SSgA Russell 2000 Growth

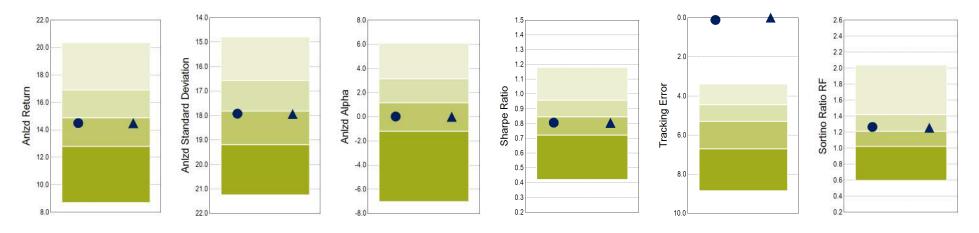


3 Year Risk Return

### Characteristics

|                                 | Portfolio | Russell<br>2000<br>Growth |
|---------------------------------|-----------|---------------------------|
| Number of Holdings              | 1,109     | 1,163                     |
| Weighted Avg. Market Cap. (\$B) | 1.9       | 1.9                       |
| Median Market Cap. (\$B)        | 0.9       | 0.8                       |
| Price To Earnings               | 29.5      | 28.6                      |
| Price To Book                   | 5.9       | 5.0                       |
| Price To Sales                  | 4.9       | 3.4                       |
| Return on Equity (%)            | 17.1      | 15.3                      |
| Yield (%)                       | 0.6       | 0.4                       |
| Beta                            |           | 1.0                       |
| R-Squared                       |           | 1.0                       |

- SSgA Russell 2000 Growth
- Russell 2000 Growth
- ▲ Universe Median
- 68% Confidence Interval
- eA US Small Cap Growth Equity Gross



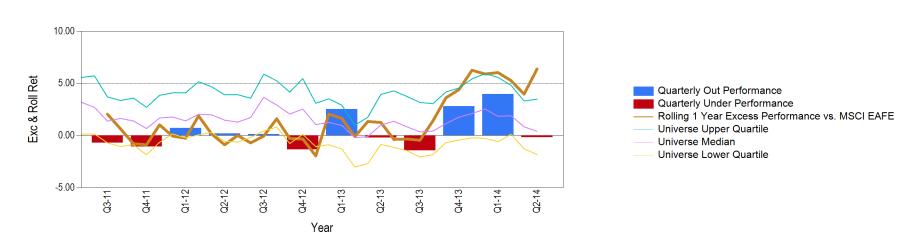
### **3 Year Risk Statistics**

### Acadian

Acadian believes that the larger the pool of potential investments, the greater the potential opportunity an active manager has to add value. They believe that stocks and markets have many attributes that are related to potential outperformance, and that a successful investment approach must be multi-faceted and highly adaptable. They believe that objectivity is crucial to investment success. Acadian's quantitative process and extensive database allows them to apply their valuation techniques to over 40,000 stocks worldwide. They do not limit the universe other than to employ screens based on invest-ability and availability of data. For example, they only evaluate stocks that have sufficient daily trading volume to be appropriate for institutional investment. Other than these practical considerations, they consider our investment universe to encompass all institutionally investable stocks in the world.



eA All EAFE Equity Gross Accounts





16.0

14.0

12.0

10.0

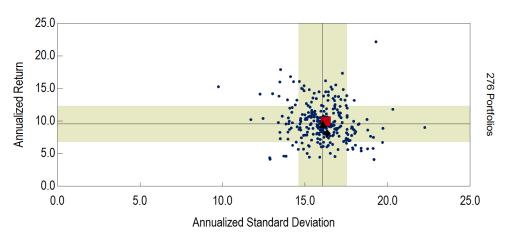
8.0

6.0

4.0

NEPC, LLC

Anlzd Return



#### 3 Year Risk Return

|--|

MSCI EAFE ٠

Universe Median

- 68% Confidence Interval
- eA All EAFE Equity Gross •



### **3 Year Risk Statistics**

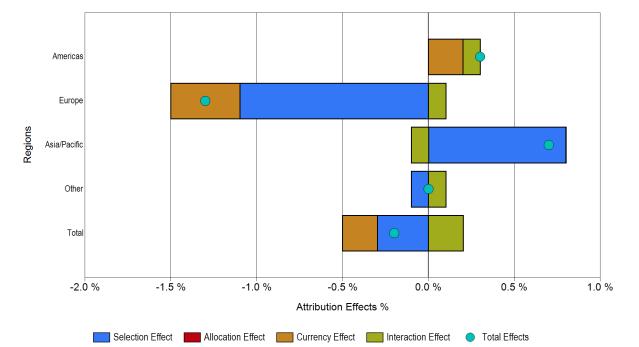
#### Characteristics

|                                 | Portfolio | MSCI<br>EAFE |
|---------------------------------|-----------|--------------|
| Number of Holdings              | 484       | 899          |
| Weighted Avg. Market Cap. (\$B) | 32.6      | 63.8         |
| Median Market Cap. (\$B)        | 0.7       | 9.4          |
| Price To Earnings               | 17.9      | 19.2         |
| Price To Book                   | 2.0       | 2.3          |
| Price To Sales                  | 1.0       | 1.9          |
| Return on Equity (%)            | 13.7      | 13.3         |
| Yield (%)                       | 2.8       | 3.0          |
| Beta                            |           | 1.0          |
| R-Squared                       |           | 1.0          |

|                | Country A        | llocation        |              |              |
|----------------|------------------|------------------|--------------|--------------|
|                | Manager          | Index            | Manager      | Index        |
|                | Allocation (USD) | Allocation (USD) | Return (USD) | Return (USD) |
| Americas       |                  |                  |              |              |
| Argentina**    | 0.3%             | 0.0%             | -3.1%        | 18.6%        |
| Brazil*        | 2.3%             | 0.0%             | 4.0%         | 7.5%         |
| Canada         | 5.6%             | 0.0%             | 7.7%         | 9.9%         |
| Mexico*        | 0.3%             | 0.0%             | 34.8%        | 6.6%         |
| United States  | 0.3%             | 0.0%             | 9.7%         | 5.1%         |
| Total-Americas | 8.8%             | 0.0%             | 7.5%         |              |
| Europe         |                  |                  |              |              |
| Austria        | 1.7%             | 0.3%             | 3.6%         | -0.3%        |
| Belgium        | 0.4%             | 1.2%             | 8.3%         | 5.1%         |
| Denmark        | 2.4%             | 1.4%             | 5.5%         | 3.9%         |
| Finland        | 2.3%             | 0.9%             | -0.4%        | 5.5%         |
| France         | 8.2%             | 10.4%            | -1.9%        | 2.4%         |
| Germany        | 11.3%            | 9.5%             | -2.3%        | 2.1%         |
| Ireland        | 0.2%             | 0.3%             | -1.7%        | -8.9%        |
| Italy          | 3.1%             | 2.6%             | -8.7%        | 1.5%         |
| Netherlands    | 4.2%             | 2.8%             | 13.1%        | 0.7%         |
| Norway         | 3.3%             | 0.8%             | 11.4%        | 10.8%        |
| Poland*        | 0.1%             | 0.0%             | -2.0%        | -1.1%        |
| Portugal       | 0.5%             | 0.2%             | -0.7%        | -1.1%        |
| Spain          | 1.9%             | 3.6%             | 7.7%         | 7.2%         |
| Sweden         | 4.9%             | 3.2%             | -0.2%        | -0.3%        |
| Switzerland    | 4.4%             | 9.3%             | -4.5%        | 2.4%         |
| United Kingdom | 12.8%            | 21.1%            | 4.4%         | 6.1%         |
| Total-Europe   | 61.3%            | 67.5%            | 1.5%         | 3.7%         |

### Country Allocation

|                   | Manager          | Index            | Manager      | Index        |
|-------------------|------------------|------------------|--------------|--------------|
|                   | Allocation (USD) | Allocation (USD) | Return (USD) | Return (USD) |
| AsiaPacific       |                  |                  |              |              |
| Australia         | 2.5%             | 7.9%             | -2.2%        | 2.8%         |
| Hong Kong         | 0.3%             | 2.8%             | 1.5%         | 8.3%         |
| India*            | 0.2%             | 0.0%             | -4.1%        | -1.1%        |
| Japan             | 20.0%            | 19.7%            | -0.7%        | 6.6%         |
| Korea*            | 2.9%             | 0.0%             | 4.4%         | 1.7%         |
| New Zealand       | 0.1%             | 0.1%             | 3.4%         | 2.5%         |
| Singapore         | 1.6%             | 1.5%             | 4.7%         | 5.8%         |
| Taiwan*           | 2.2%             | 0.0%             | 1.5%         | 1.2%         |
| Thailand*         | 0.1%             | 0.0%             | 10.1%        | 4.1%         |
| Total-AsiaPacific | 29.9%            | 31.9%            | 0.2%         | 5.8%         |
| Other             |                  |                  |              |              |
| Israel            | 0.1%             | 0.5%             | -3.2%        | 2.5%         |
| Total-Other       | 0.1%             | 0.5%             | -3.2%        | 2.5%         |
| Totals            |                  |                  |              |              |
| Developed         | 91.7%            | 100.0%           | 1.0%         | 4.3%         |
| Emerging*         | 8.1%             | 0.0%             | 1.2%         |              |
| Frontier**        | 0.3%             | 0.0%             | -3.1%        |              |
|                   |                  |                  |              |              |



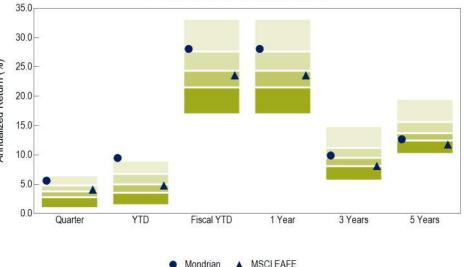
Acadian Performance Attribution vs. MSCI EAFE

|              |                   | Returns and     | Weights           |                 |                     | Attri                | bution Effects     |                       |                  |
|--------------|-------------------|-----------------|-------------------|-----------------|---------------------|----------------------|--------------------|-----------------------|------------------|
|              | Manager<br>Return | Index<br>Return | Manager<br>Weight | Index<br>Weight | Selection<br>Effect | Allocation<br>Effect | Currency<br>Effect | Interaction<br>Effect | Total<br>Effects |
| Totals       |                   |                 |                   |                 |                     |                      |                    |                       |                  |
| Americas     | 7.5%              |                 | 8.8%              | 0.0%            | 0.0%                | 0.0%                 | 0.2%               | 0.1%                  | 0.3%             |
| Europe       | 1.5%              | 3.7%            | 61.3%             | 67.5%           | -1.1%               | 0.0%                 | -0.4%              | 0.1%                  | -1.3%            |
| Asia/Pacific | 8.4%              | 5.7%            | 29.9%             | 32.0%           | 0.8%                | 0.0%                 | 0.0%               | -0.1%                 | 0.7%             |
| Other        | -9.1%             | 2.5%            | 0.1%              | 0.5%            | -0.1%               | 0.0%                 | 0.0%               | 0.1%                  | 0.0%             |
| Total        | 4.1%              | 4.3%            | 100.0%            | 100.0%          | -0.3%               | 0.0%                 | -0.2%              | 0.2%                  | -0.2%            |
| Totals       |                   |                 |                   |                 |                     |                      |                    |                       |                  |
| Developed    | 3.6%              | 4.3%            | 91.7%             | 100.0%          | -0.5%               | 0.0%                 | -0.3%              | 0.0%                  | -0.7%            |
| Emerging*    | 9.9%              |                 | 8.1%              | 0.0%            | 0.0%                | 0.0%                 | 0.1%               | 0.4%                  | 0.5%             |
| Frontier**   | -3.1%             |                 | 0.3%              | 0.0%            | 0.0%                | 0.0%                 | 0.0%               | 0.0%                  | 0.0%             |

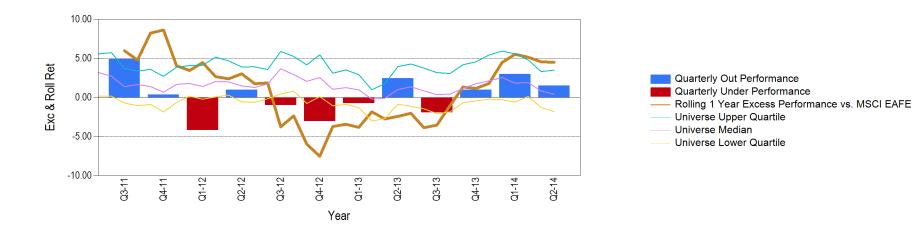


### Mondrian

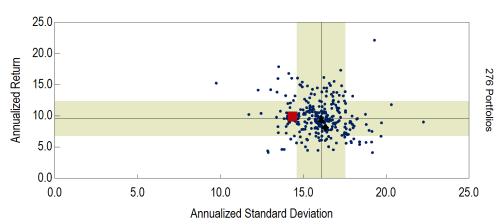
The firm is an active value-oriented defensive manager. The firm's value driven investment philosophy is based on the belief that investments need to be evaluated in terms of their fundamental long-term value. The firm believes that the value of a company lies in its future income stream as dividends represent the most direct form of cash flow to a shareholder. The firm uses an inflation adjusted dividend discount model to derive the underlying value of a company. This methodology is applied consistently to individual securities  $\widehat{\mathfrak{E}}$ across all markets and industries. The universe spans markets covered in the MSCI Indices and those developing markets with adequate investor protection ACTOSS all markets and indecessor MSCI Indices and those developing markets with adequate investor protection and good repatriation procedures. The firm will then narrow the universe to a list of more than 1000 securities on the basis of value criteria, and then further reduce this to a shorter list of approximately 250 securities annually, characteristics such as price to book, price to cash flow ratio, price to earnings ratio, and yield, as well as liquidity considerations. A focus list of approximately 80 securities is then created from that list of approximately 250 through fundamental research and deliberations of the Equity Strategy Committee. It is this list of securities on which more detailed fundamental analysis and financial modeling is carried out utilizing the dividend discount model, which is based on an evaluation of a company's future income stream, which is then discounted in real terms.



eA All EAFE Equity Gross Accounts







#### 3 Year Risk Return

#### Characteristics

|                                 | Portfolio | MSCI<br>EAFE |
|---------------------------------|-----------|--------------|
| Number of Holdings              | 29        | 899          |
| Weighted Avg. Market Cap. (\$B) | 84.4      | 63.8         |
| Median Market Cap. (\$B)        | 45.6      | 9.4          |
| Price To Earnings               | 18.5      | 19.2         |
| Price To Book                   | 2.1       | 2.3          |
| Price To Sales                  | 1.4       | 1.9          |
| Return on Equity (%)            | 13.7      | 13.3         |
| Yield (%)                       | 3.8       | 3.0          |
| Beta                            |           | 1.0          |
| R-Squared                       |           | 1.0          |

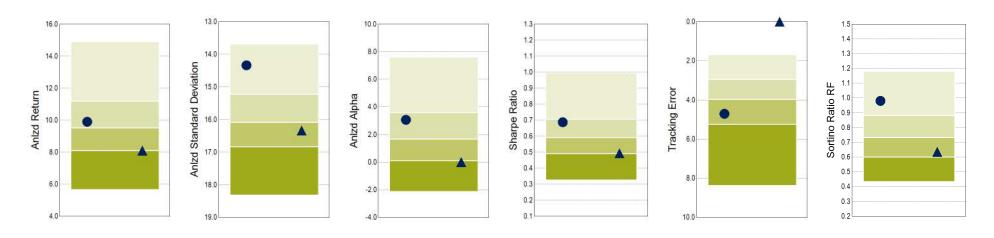


MSCI EAFE

Universe Median

68% Confidence Interval

• eA All EAFE Equity Gross

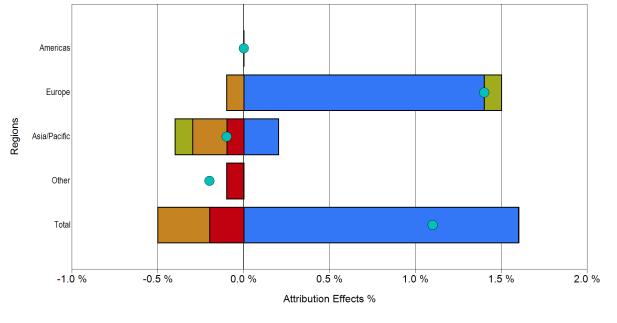


### **3 Year Risk Statistics**

| Country Allocation |                        |             |              |              |  |  |  |
|--------------------|------------------------|-------------|--------------|--------------|--|--|--|
|                    | Manager Index Manager  |             |              |              |  |  |  |
|                    | Allocation (USD) Alloc | ation (USD) | Return (USD) | Return (USD) |  |  |  |
| Americas           |                        |             |              |              |  |  |  |
| United States      | 0.9%                   | 0.0%        | 4.0%         | 5.1%         |  |  |  |
| Total-Americas     | 0.9%                   | 0.0%        | 4.0%         |              |  |  |  |
| Europe             |                        |             |              |              |  |  |  |
| France             | 14.9%                  | 10.4%       | 4.9%         | 2.4%         |  |  |  |
| Germany            | 4.5%                   | 9.5%        | 3.0%         | 2.1%         |  |  |  |
| Netherlands        | 10.6%                  | 2.8%        | 5.2%         | 0.7%         |  |  |  |
| Spain              | 7.9%                   | 3.6%        | 11.4%        | 7.2%         |  |  |  |
| Sweden             | 1.0%                   | 3.2%        | -5.9%        | -0.3%        |  |  |  |
| Switzerland        | 16.2%                  | 9.3%        | 2.3%         | 2.4%         |  |  |  |
| United Kingdom     | 17.3%                  | 21.1%       | 8.3%         | 6.1%         |  |  |  |
| Total-Europe       | 72.5%                  | 67.5%       | 5.6%         | 3.7%         |  |  |  |

| Country Allocation |                  |                  |              |              |  |  |  |
|--------------------|------------------|------------------|--------------|--------------|--|--|--|
|                    | Manager          | Index            | Manager      | Index        |  |  |  |
|                    | Allocation (USD) | Allocation (USD) | Return (USD) | Return (USD) |  |  |  |
| AsiaPacific        |                  |                  |              |              |  |  |  |
| Australia          | 2.7%             | 7.9%             | 8.4%         | 2.8%         |  |  |  |
| Japan              | 10.9%            | 19.7%            | 8.6%         | 6.6%         |  |  |  |
| Singapore          | 7.5%             | 1.5%             | 1.8%         | 5.8%         |  |  |  |
| Total-AsiaPacific  | 21.1%            | 32.0%            | 6.2%         | 5.7%         |  |  |  |
| Other              |                  |                  |              |              |  |  |  |
| Israel             | 5.6%             | 0.5%             | -0.1%        | 2.5%         |  |  |  |
| Total-Other        | 5.6%             | 0.5%             | -0.1%        | 2.5%         |  |  |  |
| Totals             |                  |                  |              |              |  |  |  |
| Developed          | 100.0%           | 100.0%           | 5.4%         | 4.3%         |  |  |  |
|                    |                  |                  |              |              |  |  |  |





#### Mondrian Performance Attribution vs. MSCI EAFE

| Selection Effect | Allocation Effect | Currency Effect | Interaction Effect | Total Effects |
|------------------|-------------------|-----------------|--------------------|---------------|
|------------------|-------------------|-----------------|--------------------|---------------|

|              | Returns and Weights |                 |                   | Attribution Effects |                     |                      |                    |                       |                  |
|--------------|---------------------|-----------------|-------------------|---------------------|---------------------|----------------------|--------------------|-----------------------|------------------|
|              | Manager<br>Return   | Index<br>Return | Manager<br>Weight | Index<br>Weight     | Selection<br>Effect | Allocation<br>Effect | Currency<br>Effect | Interaction<br>Effect | Total<br>Effects |
| Totals       |                     |                 |                   |                     |                     |                      |                    |                       |                  |
| Americas     | 4.0%                |                 | 0.9%              | 0.0%                | 0.0%                | 0.0%                 | 0.0%               | 0.0%                  | 0.0%             |
| Europe       | 5.6%                | 3.7%            | 72.5%             | 67.5%               | 1.4%                | 0.0%                 | -0.1%              | 0.1%                  | 1.4%             |
| Asia/Pacific | 6.2%                | 5.7%            | 21.1%             | 32.0%               | 0.2%                | -0.1%                | -0.2%              | -0.1%                 | -0.1%            |
| Other        | -0.1%               | 2.5%            | 5.6%              | 0.5%                | 0.0%                | -0.1%                | 0.0%               | 0.0%                  | -0.2%            |
| Total        | 5.4%                | 4.3%            | 100.0%            | 100.0%              | 1.6%                | -0.2%                | -0.3%              | 0.0%                  | 1.1%             |
| Totals       |                     |                 |                   |                     |                     |                      |                    |                       |                  |
| Developed    | 5.4%                | 4.3%            | 100.0%            | 100.0%              | 1.3%                | 0.0%                 | -0.3%              | 0.0%                  | 1.1%             |



## SSgA ACWI Ex US

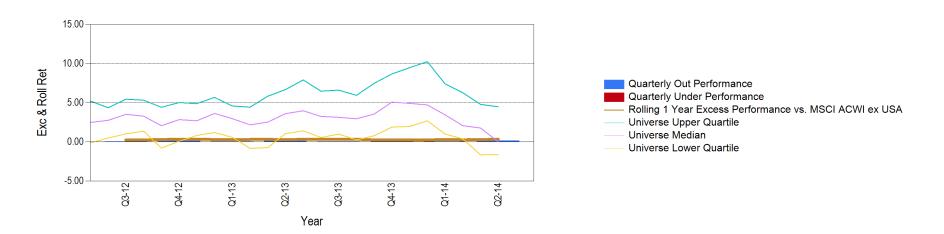
The MSCI ACWI ex US Index Strategy tends to hold each security that is held in the benchmark index, but the strategy will not be perfectly weighted in every index constituent on a daily basis. Holding securities in the perfect weights would require increased trading and therefore would incur costs. Thus, there will be securities in the fund that are either overor under-weighted relative to the benchmark. The individual security mis-weights are very minimal, usually within 1 basis point. However, in aggregate, these small mis-weights can add up and result in tracking error if the mis-weighted securities' performance is volatile. SSgA seek to replicate the index by attempting to hold every security in the fund in its appropriate index weight. SSgA trade only when there is a change to the Index, when we have participant cash flows, or when we receive significant dividend income into the fund.

30.0 20.0 15.0 10.0 5.0 Quarter YTD Fiscal YTD 1 Year 3 Years 5 Years

▲ MSCI ACWI ex USA

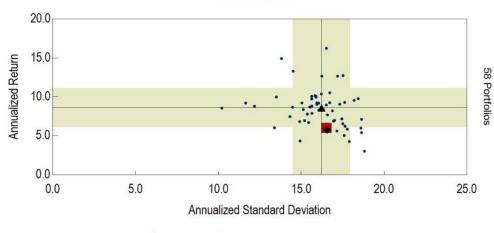
SSgA ACWI Ex US

eA ACWI ex-US All Cap Equity Gross Accounts





## SSgA ACWI Ex US



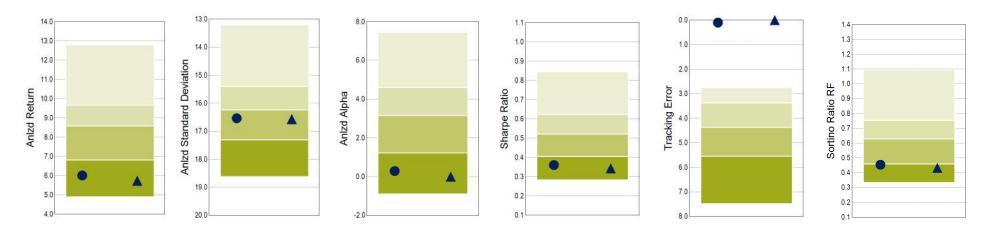
3 Year Risk Return

- SSgA ACWI Ex US MSCI ACWI ex USA .
- +
- Universe Median .
- 68% Confidence Interval
- eA ACWI ex-US All Cap Equity Gross .

### Characteristics

|                                 | Portfolio | MSCI<br>ACWI ex<br>USA |
|---------------------------------|-----------|------------------------|
| Number of Holdings              | 1,901     | 1,829                  |
| Weighted Avg. Market Cap. (\$B) | 56.1      | 56.2                   |
| Median Market Cap. (\$B)        | 7.4       | 7.3                    |
| Price To Earnings               | 19.5      | 18.6                   |
| Price To Book                   | 2.9       | 2.4                    |
| Price To Sales                  | 2.2       | 2.0                    |
| Return on Equity (%)            | 16.4      | 14.4                   |
| Yield (%)                       | 2.9       | 2.9                    |
| Beta                            |           | 1.0                    |
| R-Squared                       |           | 1.0                    |

### **3 Year Risk Statistics**

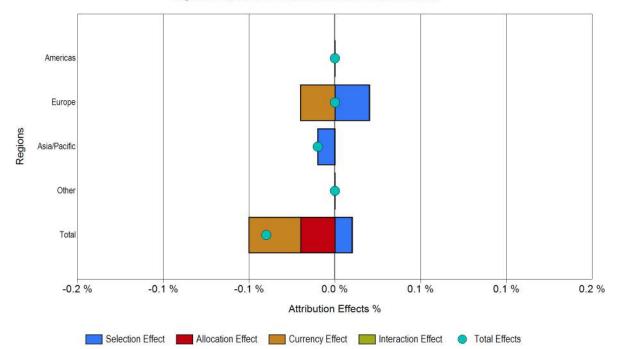


# SSgA ACWI Ex US

|                 | Country Allo          | cation        |              |              |
|-----------------|-----------------------|---------------|--------------|--------------|
|                 | Manager               | Index         | Manager      | Index        |
|                 | Allocation (USD) Allo | ocation (USD) | Return (USD) | Return (USD) |
| Americas        |                       |               |              |              |
| Brazil*         | 2.3%                  | 2.3%          | 7.8%         | 7.8%         |
| Canada          | 7.2%                  | 7.2%          | 10.1%        | 10.1%        |
| Chile*          | 0.3%                  | 0.3%          | 2.9%         | 2.9%         |
| Colombia*       | 0.2%                  | 0.2%          | 7.8%         | 7.8%         |
| Mexico*         | 1.1%                  | 1.1%          | 6.5%         | 6.5%         |
| Peru*           | 0.1%                  | 0.1%          | 8.5%         | 8.5%         |
| United States   | 0.0%                  | 0.0%          | 3.9%         | 5.1%         |
| Total-Americas  | 11.2%                 | 11.2%         | 9.0%         | 9.0%         |
| Europe          |                       |               |              |              |
| Austria         | 0.2%                  | 0.2%          | -0.3%        | -0.3%        |
| Belgium         | 0.9%                  | 0.9%          | 5.1%         | 5.1%         |
| Czech Republic* | 0.1%                  | 0.1%          | 1.8%         | 1.8%         |
| Denmark         | 1.0%                  | 1.0%          | 3.9%         | 3.9%         |
| Finland         | 0.7%                  | 0.7%          | 5.5%         | 5.5%         |
| France          | 7.4%                  | 7.5%          | 2.4%         | 2.4%         |
| Germany         | 6.7%                  | 6.8%          | 2.1%         | 2.1%         |
| Greece*         | 0.1%                  | 0.1%          | -7.9%        | -7.9%        |
| Hungary*        | 0.0%                  | 0.0%          | 4.7%         | 4.7%         |
| Ireland         | 0.1%                  | 0.2%          | -9.8%        | -8.9%        |
| Italy           | 1.8%                  | 1.9%          | 1.3%         | 1.5%         |
| Luxembourg      | 0.2%                  | 0.0%          | 3.1%         | 5.3%         |
| Netherlands     | 2.0%                  | 2.0%          | 0.7%         | 0.7%         |
| Norway          | 0.6%                  | 0.6%          | 10.8%        | 10.8%        |
| Poland*         | 0.4%                  | 0.4%          | -0.8%        | -0.8%        |
| Portugal        | 0.1%                  | 0.1%          | -1.1%        | -1.1%        |
| Russia*         | 1.1%                  | 1.1%          | 11.0%        | 11.0%        |
| Spain           | 2.5%                  | 2.6%          | 7.4%         | 7.2%         |
| Sweden          | 2.3%                  | 2.3%          | -0.2%        | -0.3%        |
| Switzerland     | 6.7%                  | 6.7%          | 2.4%         | 2.4%         |
| United Kingdom  | 15.1%                 | 15.2%         | 6.0%         | 6.1%         |
| Total-Europe    | 49.9%                 | 50.4%         | 3.8%         | 3.8%         |

| Country Allocation |                  |                  |              |              |  |  |  |  |
|--------------------|------------------|------------------|--------------|--------------|--|--|--|--|
|                    | Manager          | Index            | Manager      | Index        |  |  |  |  |
|                    | Allocation (USD) | Allocation (USD) | Return (USD) | Return (USD) |  |  |  |  |
| AsiaPacific        |                  |                  |              |              |  |  |  |  |
| Australia          | 5.6%             | 5.7%             | 2.8%         | 2.8%         |  |  |  |  |
| China*             | 4.0%             | 3.9%             | 5.7%         | 5.7%         |  |  |  |  |
| Hong Kong          | 2.0%             | 2.0%             | 8.3%         | 8.3%         |  |  |  |  |
| India*             | 1.4%             | 1.4%             | 12.7%        | 12.7%        |  |  |  |  |
| Indonesia*         | 0.6%             | 0.6%             | 0.9%         | 0.9%         |  |  |  |  |
| Japan              | 14.1%            | 14.2%            | 6.6%         | 6.6%         |  |  |  |  |
| Korea*             | 3.3%             | 3.3%             | 6.4%         | 6.4%         |  |  |  |  |
| Malaysia*          | 0.8%             | 0.8%             | 3.9%         | 3.9%         |  |  |  |  |
| New Zealand        | 0.1%             | 0.1%             | 2.6%         | 2.6%         |  |  |  |  |
| Philippines*       | 0.2%             | 0.2%             | 9.5%         | 9.5%         |  |  |  |  |
| Singapore          | 1.1%             | 1.1%             | 5.8%         | 5.8%         |  |  |  |  |
| Taiwan*            | 2.5%             | 2.5%             | 10.2%        | 10.2%        |  |  |  |  |
| Thailand*          | 0.5%             | 0.5%             | 5.1%         | 7.8%         |  |  |  |  |
| Total-AsiaPacific  | 35.9%            | 36.1%            | 6.3%         | 6.3%         |  |  |  |  |
| Other              |                  |                  |              |              |  |  |  |  |
| Egypt*             | 0.0%             | 0.0%             | 1.1%         | 1.1%         |  |  |  |  |
| Israel             | 0.4%             | 0.4%             | 2.5%         | 2.5%         |  |  |  |  |
| South Africa*      | 1.6%             | 1.6%             | 4.7%         | 4.7%         |  |  |  |  |
| Turkey*            | 0.3%             | 0.3%             | 15.4%        | 15.4%        |  |  |  |  |
| Total-Other        | 2.4%             | 2.4%             | 5.8%         | 5.7%         |  |  |  |  |
| Totals             |                  |                  |              |              |  |  |  |  |
| Developed          | 78.6%            | 79.4%            | 4.9%         | 4.9%         |  |  |  |  |
| Emerging*          | 20.7%            | 20.6%            | 7.1%         | 7.1%         |  |  |  |  |
| Cash               | 0.7%             |                  | 0.0%         |              |  |  |  |  |
|                    |                  |                  |              |              |  |  |  |  |





SSgA ACWI Ex US Performance Attribution vs. MSCI ACWI ex USA

|              | Returns and Weights |                 |                   | Attribution Effects |                     |                      |                    |                       |                  |
|--------------|---------------------|-----------------|-------------------|---------------------|---------------------|----------------------|--------------------|-----------------------|------------------|
|              | Manager<br>Return   | Index<br>Return | Manager<br>Weight | Index<br>Weight     | Selection<br>Effect | Allocation<br>Effect | Currency<br>Effect | Interaction<br>Effect | Total<br>Effects |
| Totals       |                     |                 |                   |                     |                     |                      |                    |                       |                  |
| Americas     | 9.0%                | 9.0%            | 11.2%             | 11.2%               | 0.0%                | 0.0%                 | 0.0%               | 0.0%                  | 0.0%             |
| Europe       | 3.8%                | 3.8%            | 49.9%             | 50.4%               | 0.0%                | 0.0%                 | 0.0%               | 0.0%                  | 0.0%             |
| Asia/Pacific | 6.3%                | 6.3%            | 35.9%             | 36.1%               | 0.0%                | 0.0%                 | 0.0%               | 0.0%                  | 0.0%             |
| Other        | 5.8%                | 5.7%            | 2.4%              | 2.4%                | 0.0%                | 0.0%                 | 0.0%               | 0.0%                  | 0.0%             |
| Cash         | 0.0%                |                 | 0.7%              | 0.0%                | 0.0%                | 0.0%                 | 0.0%               | 0.0%                  | 0.0%             |
| Total        | 5.3%                | 5.3%            | 100.0%            | 100.0%              | 0.0%                | 0.0%                 | 0.0%               | 0.0%                  | 0.0%             |
| Totals       |                     |                 |                   |                     |                     |                      |                    |                       |                  |
| Developed    | 4.9%                | 4.9%            | 78.6%             | 79.4%               | 0.0%                | 0.0%                 | 0.0%               | 0.0%                  | 0.0%             |
| Emerging*    | 7.1%                | 7.1%            | 20.7%             | 20.6%               | 0.0%                | 0.0%                 | 0.0%               | 0.0%                  | 0.0%             |
| Cash         | 0.0%                |                 | 0.7%              | 0.0%                | 0.0%                | 0.0%                 | 0.0%               | 0.0%                  | 0.0%             |

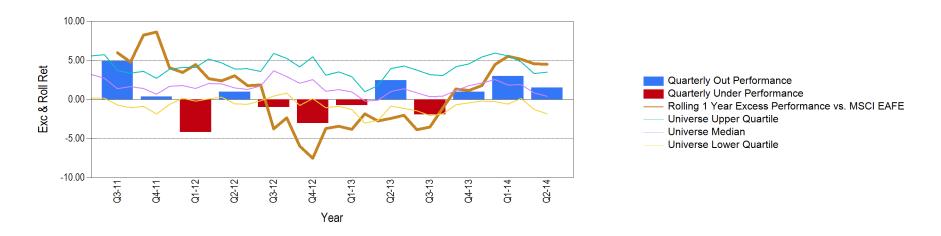
### Aberdeen

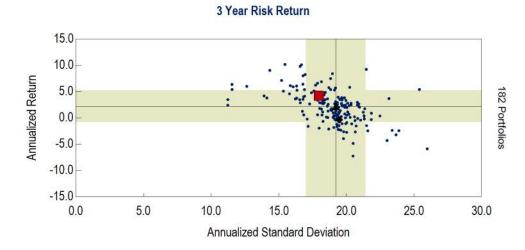
Aberdeen believes, given the inefficiency of markets, that competitive long-term returns are achieved by identifying high quality stocks at attractive valuations and holding for the long term. It is their belief that sound fundamentals drive stock prices over time. They employ a fundamental bottom-up investment approach based upon a rigorous and disciplined proprietary research effort which originates with direct company due diligence visits. Portfolios are constructed to maximize their level of exposure to the most attractive companies filtered from the stock selection process. They run a representative or model' unconstrained portfolio that contains approximately 30 - 70 stocks at any given time. Once a stock has received unanimous approval by the team, the senior investment team members then decide which portfolio category it should enter (i.e. country, regional, Global Emerging Markets) and at what weighting. The Head of Global Emerging Markets then has responsibility to ensure that the decision is implemented.



eA Emg Mkts Equity Gross Accounts

**Annualized Excess Performance** 

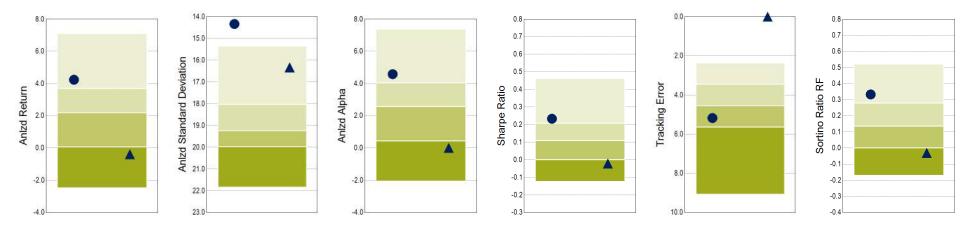




- Aberdeen
- MSCI Emerging Markets Universe Median ٠
- .
- 68% Confidence Interval
- eA Emg Mkts Equity Gross

| ondradicitotico                 |           |                             |
|---------------------------------|-----------|-----------------------------|
|                                 | Portfolio | MSCI<br>Emerging<br>Markets |
| Number of Holdings              | 71        | 835                         |
| Weighted Avg. Market Cap. (\$B) | 32.9      | 36.7                        |
| Median Market Cap. (\$B)        | 16.6      | 5.2                         |
| Price To Earnings               | 17.9      | 17.0                        |
| Price To Book                   | 3.4       | 2.5                         |
| Price To Sales                  | 2.6       | 2.1                         |
| Return on Equity (%)            | 18.3      | 17.0                        |
| Yield (%)                       | 2.9       | 2.6                         |
| Beta                            |           | 1.0                         |
| R-Squared                       |           | 1.0                         |



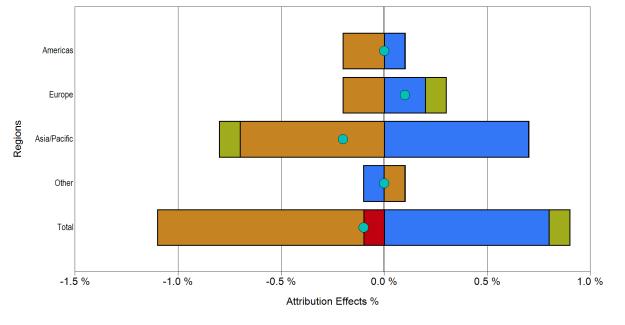


### Characteristics

|                | Country Alloc<br>Manager | Index        | Manager      | Index        |
|----------------|--------------------------|--------------|--------------|--------------|
|                | Allocation (USD) Allo    | cation (USD) | Return (USD) | Return (USD) |
| Americas       |                          |              |              |              |
| Brazil*        | 15.1%                    | 11.0%        | 7.0%         | 7.8%         |
| Chile*         | 1.3%                     | 1.6%         | 17.6%        | 2.9%         |
| Mexico*        | 8.3%                     | 5.1%         | 3.8%         | 6.5%         |
| United States  | 1.3%                     | 0.0%         | 8.2%         | 5.1%         |
| Total-Americas | 26.0%                    | 19.3%        | 6.6%         | 7.1%         |
| Europe         |                          |              |              |              |
| Hungary*       | 1.6%                     | 0.2%         | 11.5%        | 4.7%         |
| Luxembourg     | 2.3%                     | 0.0%         | 8.0%         | 7.1%         |
| Poland*        | 1.9%                     | 1.8%         | -7.2%        | -0.8%        |
| Russia*        | 4.5%                     | 5.3%         | 7.6%         | 11.0%        |
| United Kingdom | 3.6%                     | 0.0%         | 11.4%        | 6.1%         |
| Total-Europe   | 14.0%                    | 8.1%         | 7.0%         | 6.6%         |

| Country Allocation |                  |                  |              |              |  |  |  |
|--------------------|------------------|------------------|--------------|--------------|--|--|--|
|                    | Manager          | Index            | Manager      | Index        |  |  |  |
|                    | Allocation (USD) | Allocation (USD) | Return (USD) | Return (USD) |  |  |  |
| AsiaPacific        |                  |                  |              |              |  |  |  |
| China*             | 5.6%             | 19.0%            | 12.6%        | 5.7%         |  |  |  |
| Hong Kong          | 8.0%             | 0.0%             | 8.2%         | 8.3%         |  |  |  |
| India*             | 13.9%            | 6.7%             | 7.9%         | 12.7%        |  |  |  |
| Indonesia*         | 3.0%             | 2.7%             | -3.6%        | 0.9%         |  |  |  |
| Korea*             | 6.4%             | 15.8%            | 4.3%         | 6.4%         |  |  |  |
| Malaysia*          | 1.1%             | 3.7%             | 4.1%         | 3.9%         |  |  |  |
| Philippines*       | 3.5%             | 0.9%             | 7.3%         | 9.5%         |  |  |  |
| Taiwan*            | 4.6%             | 11.9%            | 7.9%         | 10.2%        |  |  |  |
| Thailand*          | 5.1%             | 2.3%             | 9.4%         | 7.8%         |  |  |  |
| Total-AsiaPacific  | 51.3%            | 63.0%            | 7.4%         | 7.3%         |  |  |  |
| Other              |                  |                  |              |              |  |  |  |
| South Africa*      | 3.1%             | 7.8%             | -4.4%        | 4.7%         |  |  |  |
| Turkey*            | 5.6%             | 1.6%             | 11.7%        | 15.4%        |  |  |  |
| Total-Other        | 8.7%             | 9.6%             | 5.9%         | 6.4%         |  |  |  |
| Totals             |                  |                  |              |              |  |  |  |
| Developed          | 15.2%            | 0.0%             | 8.9%         |              |  |  |  |
| Emerging*          | 84.8%            | 100.0%           | 6.6%         | 7.1%         |  |  |  |





Aberdeen Performance Attribution vs. MSCI Emerging Markets

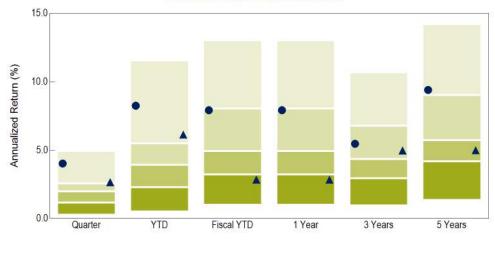


|              | Returns and Weights |                 |                   | Attribution Effects |                     |                      |                    |                       |                  |
|--------------|---------------------|-----------------|-------------------|---------------------|---------------------|----------------------|--------------------|-----------------------|------------------|
|              | Manager<br>Return   | Index<br>Return | Manager<br>Weight | Index<br>Weight     | Selection<br>Effect | Allocation<br>Effect | Currency<br>Effect | Interaction<br>Effect | Total<br>Effects |
| Totals       |                     |                 |                   |                     |                     |                      |                    |                       |                  |
| Americas     | 6.6%                | 7.1%            | 26.0%             | 19.3%               | 0.1%                | 0.0%                 | -0.2%              | 0.0%                  | 0.0%             |
| Europe       | 7.0%                | 6.6%            | 14.0%             | 8.1%                | 0.2%                | 0.0%                 | -0.2%              | 0.1%                  | 0.1%             |
| Asia/Pacific | 7.4%                | 7.3%            | 51.3%             | 63.0%               | 0.7%                | 0.0%                 | -0.7%              | -0.1%                 | -0.2%            |
| Other        | 5.9%                | 6.4%            | 8.7%              | 9.6%                | -0.1%               | 0.0%                 | 0.1%               | 0.0%                  | 0.0%             |
| Total        | 7.0%                | 7.1%            | 100.0%            | 100.0%              | 0.8%                | -0.1%                | -1.0%              | 0.1%                  | -0.1%            |
| Totals       |                     |                 |                   |                     |                     |                      |                    |                       |                  |
| Developed    | 8.9%                |                 | 15.2%             | 0.0%                | 0.0%                | 0.0%                 | 0.0%               | 0.5%                  | 0.5%             |
| Emerging*    | 6.6%                | 7.1%            | 84.8%             | 100.0%              | 0.4%                | 0.0%                 | -0.9%              | -0.1%                 | -0.6%            |



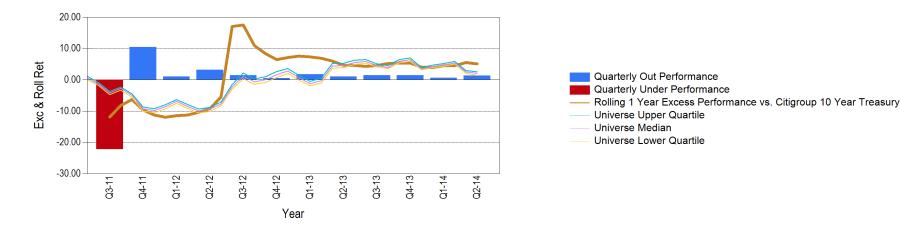
## Allianz Structured Alpha

Allianz uses an alpha enhancement strategy that targets a return stream with low or no correlation with the underlying BC Aggregate benchmark. The objective of the fund seeks to deliver 5% net of fees annually on top of the benchmark with a tracking error of 2-4%. The strategy analyzes historical behavior of the S&P 500 Index and develops a distribution of expected returns, then the fund constructions profit zones using puts and calls which at expiration the underlying ends up in the profit zone. Strategies containing the buying or selling of options may produce losses and profits similar to leverage and may exposure the account to risk related to the underlying security and the option itself.

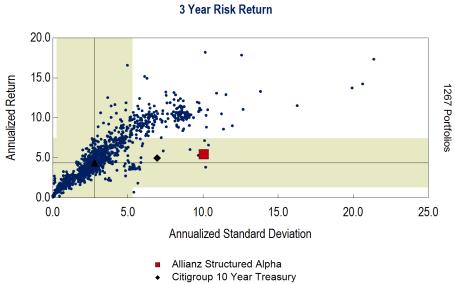


eA All US Fixed Inc Gross Accounts

Allianz Structured Alpha
 Citigroup 10 Year Treasury

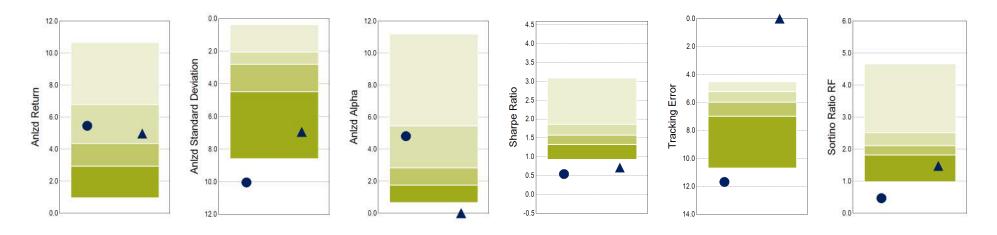






- ▲ Universe Median
- 68% Confidence Interval
- eA All US Fixed Inc Gross

### **3 Year Risk Statistics**



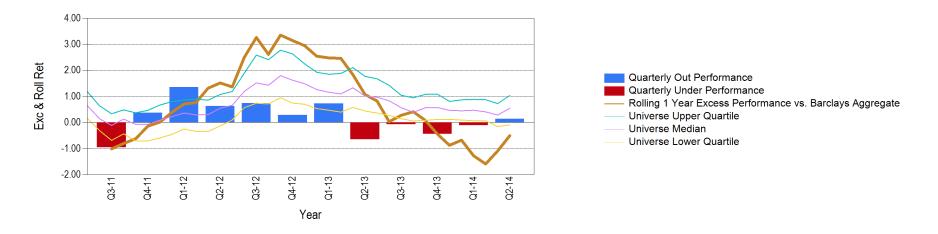
### PIMCO Core Plus

PIMCO's investment process expects to generate above-benchmark returns by building diversified, risk-averse portfolios based upon their long-term secular outlook. This is achieved by analyzing fundamental global trends in such areas as political factors, inflation, volatility, growth, and currency, amongst others. The three to five-year secular outlook is the core element of their decision-making process, and serves as a framework for portfolio implementation. In applying the secular outlook to the portfolio, such tools as duration position, yield curve posture and sector allocation are expressed to best represent the firm's view on the macro-economic environment. Bottom-up analysis of specific securities is also an important part of the firm's philosophy. Bonds are evaluated on a rich/cheap basis and fundamental research determines strong portfolio candidates.



eA All US Fixed Inc Gross Accounts

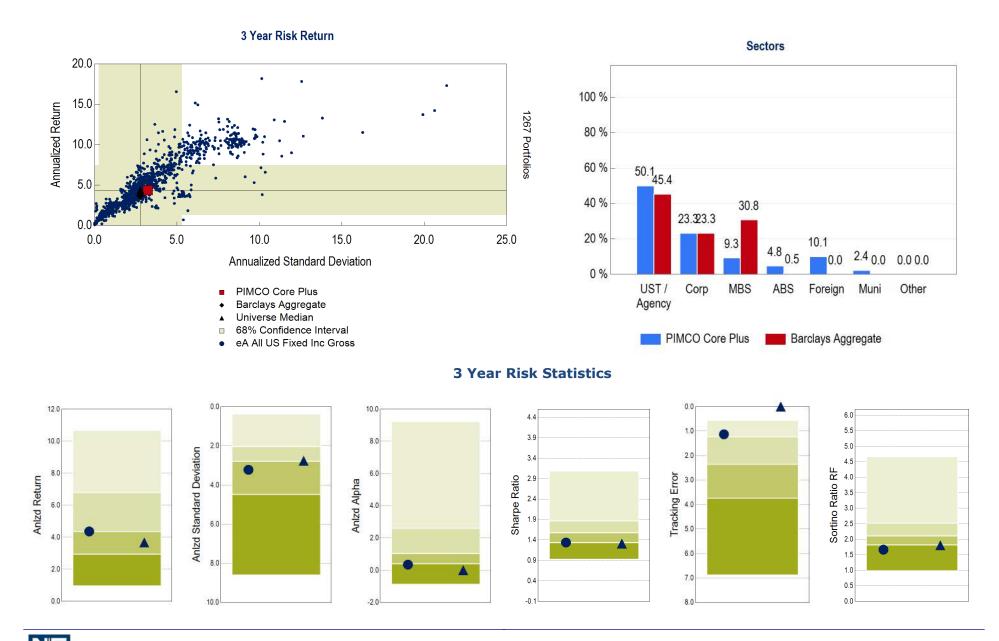
**Annualized Excess Performance** 



NE NEPC, LLC

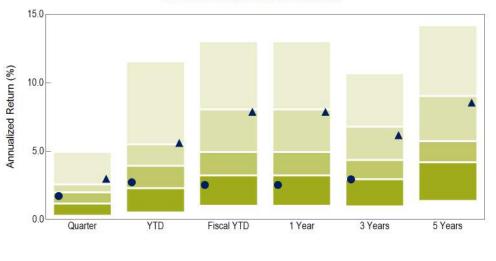
## PIMCO Core Plus

NEPC, LLC



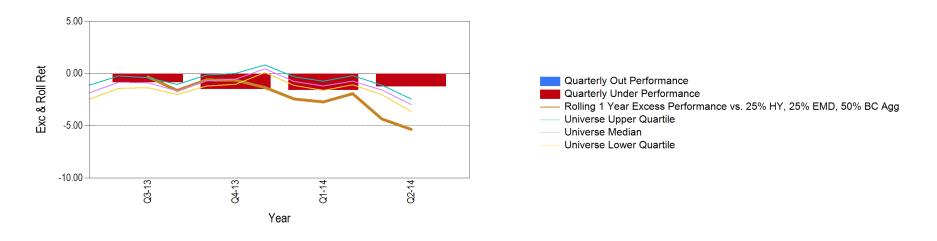
### PIMCO Unconstrained

The PIMCO Unconstrained Bond Strategy is an absolute return-oriented, investment grade quality fixed income strategy that embodies PIMCO's secular thinking, global themes, and integrated investment process without the constraints of a benchmark or significant sector/instrument limitations. The strategy is designed to offer the traditional benefits of a core bond portfolio - seeks maximum long-term return consistent with capital preservation and prudent management- but with higher potential alpha and the potential to mitigate downside risk to a greater degree than what is reasonably possible from traditional active fixed income management approaches as the strategy allows for more manager discretion to adjust duration exposure, allocate across sectors and otherwise express the firm's active views. The strategy is governed by PIMCO's investment philosophy and unique, disciplined secular investment process, which focuses on long-term economic, social and political trends that may have lasting impacts on investment returns.

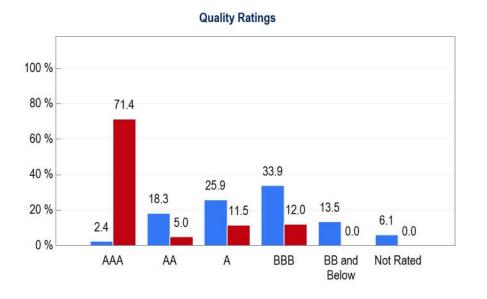


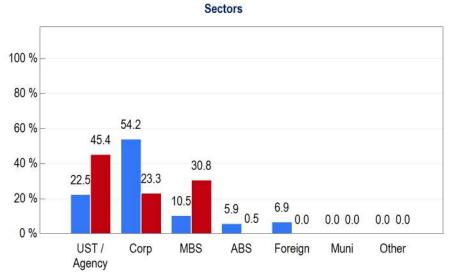
eA All US Fixed Inc Gross Accounts

PIMCO Unconstrained
 25% HY, 25% EMD, 50% BC Agg









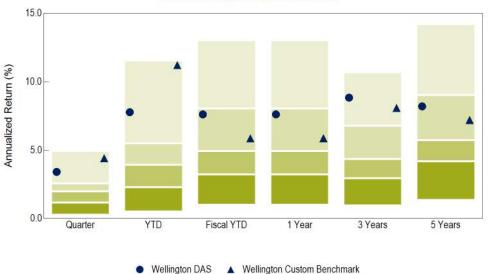


Barclays Aggregate

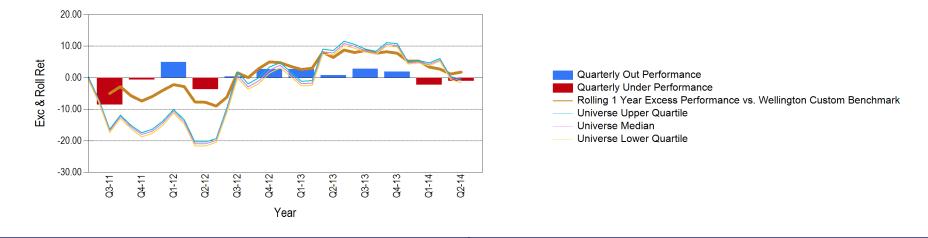


### Wellington DAS

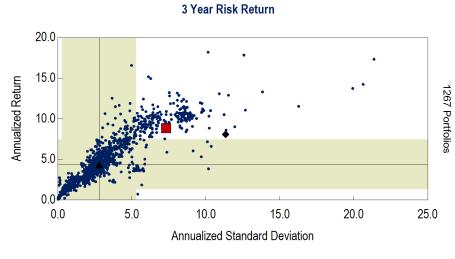
The objective of the Diversified Alpha Strategies - Absolute Return (DAS) Portfolio is to provide positive absolute returns over cash or other market exposure (beta) over rolling 3-year periods with expected volatility of 3 to 6%. The DAS Portfolio aims to provide consistent returns by investing in diverse, market-neutral alpha sources that have low or negative correlations with each other. The mix of alpha sources is rebalanced periodically, and the target mix may change over time. The DAS Portfolio can be combined with desired market (beta) exposure through the use of derivative instruments. Drawing on a diversified basket of alpha sources from across a broad investment universe, rather than a single alpha source, should increase the efficiency of the return/risk ratio and increase the likelihood of achieving consistent returns. For this reason, the DAS Portfolio includes a variety of alpha sources: market neutral equity and fixed income strategies, overlay strategies (currency, fixed income, asset allocation), and long-only equity strategies from which they try to remove structural market risk through short equity index future or swap positions. The allocation to each alpha source is determined in a contribution to risk framework in the context of the expected aggregate DAS Portfolio characteristics. The target weights of the underlying alpha sources have been set using risk budgeting, with a goal of achieving a balanced contribution to risk across the alpha sources, rather than focusing only on the absolute or percent cash allocation.



eA All US Fixed Inc Gross Accounts

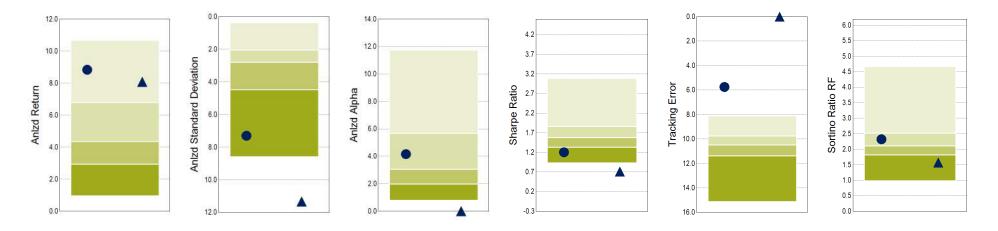






- Wellington DAS
- Wellington Custom Benchmark
- Universe Median
- 68% Confidence Interval
- eA All US Fixed Inc Gross

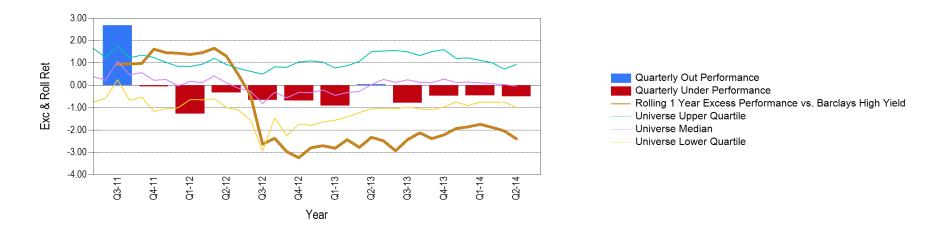
**3 Year Risk Statistics** 



KDP believes that the key to delivering superior risk-adjusted returns lies in controlling credit risk. To do this the firm combines rigorous, bottom-up credit analysis with an active, top-down management approach that ensures a strong overall credit profile and broad portfolio diversification. KDP employs a value-oriented approach to investing that leverages our strong fundamental research capabilities, and seeks to take advantage of market inefficiencies and anomalies on an opportunistic basis in order to capture excess credit spread. KDP places a strong emphasis on issuer, industry and sector diversification, and tends to focus on larger companies, as they tend to be more resilient in times of difficulty and their securities tend to be more liquid. KDP uses a proprietary "Default Risk Ranking (DRR)" System to screen securities eligible for purchase in its portfolios. By assigning default risk probabilities to companies covered, the DRR system is used to identify securities that are overvalued or undervalued relative to the market. The firm minimizes portfolio volatility in part by investing in securities of companies that exhibit greater resilience in times of financial distress. KDP focuses on companies with good management, stable to improving earnings, good balance sheet liquidity and a strong competitive position in industries with favorable underlying fundamentals.



eA US High Yield Fixed Inc Gross Accounts

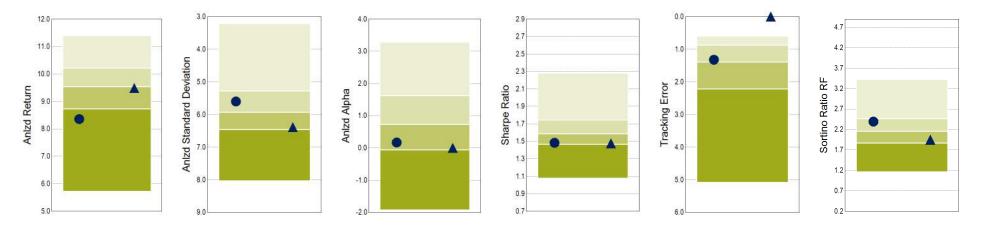






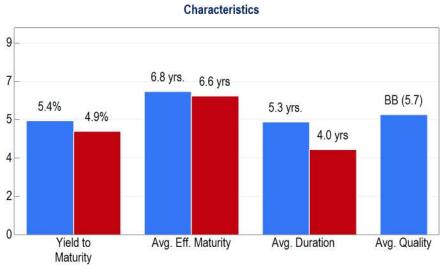
- KDP
- Barclays High Yield
- ▲ Universe Median
- 68% Confidence Interval
- eA US High Yield Fixed Inc Gross

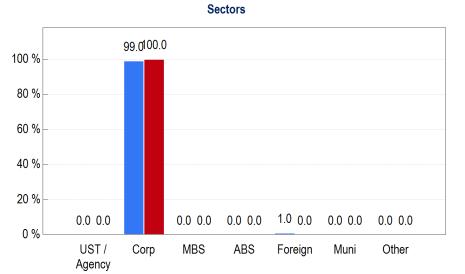
**3 Year Risk Statistics** 



## NE NEPC, LLC

KDP









## BlackRock TIPS

In the management of an inflation-linked bond portfolio, BlackRock will utilize multiple strategies to outperform the index. These include: duration and yield curve positioning, technical supply/demand anomalies related primarily to the ILB auction cycle, seasonal factors related to non-seasonally adjusted inflation-linked indices, break-even spread between ILBs and nominal securities, and, if applicable, sector and country allocation. The team compares nominal yields with real yields and factor in their views on inflation. If the yield spread is less than the inflation rate, then ILBs are considered to trade cheaply to nominal bonds and have greater relative value. The portfolio currently holds about 31 positions, out of 27-29 issues in the benchmark. Turnover is moderate, at around 100-150%.

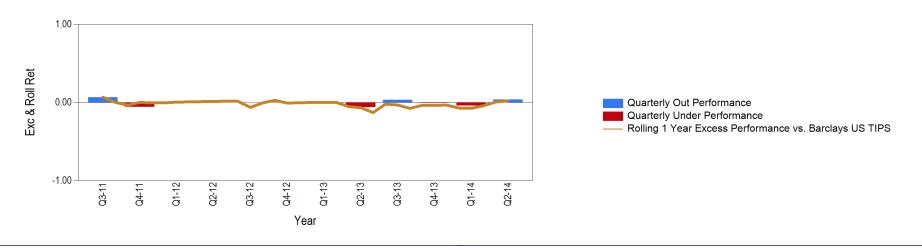
10.0 5.0 5.0 Quarter YTD Fiscal YTD 1 Year 3 Years 5 Years

▲ Barclays US TIPS

BlackRock TIPS

eA TIPS / Infl Indexed Fixed Inc Gross Accounts

**Annualized Excess Performance** 





# BlackRock TIPS

8.0

7.0 6.0

5.0

4.0 3.0

2.0 1.0

0.0

0.0

Annualized Return

3 Year Risk Return

Annualized Standard Deviation

10.0

.

٠

۸

5.0

BlackRock TIPS

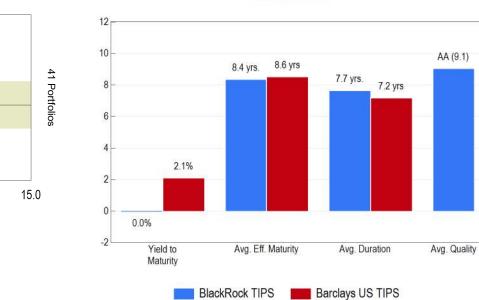
Barclays US TIPS

Universe Median

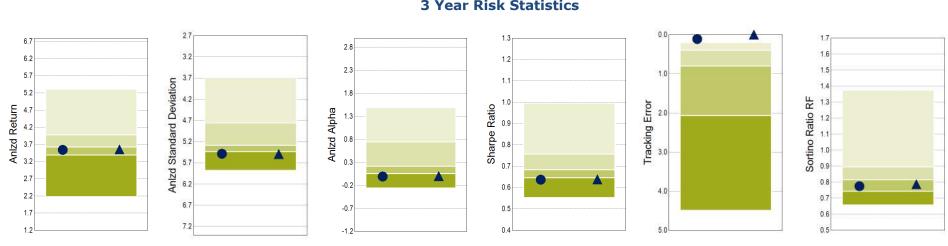
68% Confidence Interval

• eA TIPS / Infl Indexed Fixed Inc Gross

٠ 14,



#### Characteristics

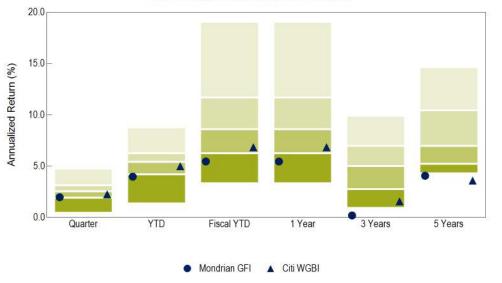


## **3 Year Risk Statistics**

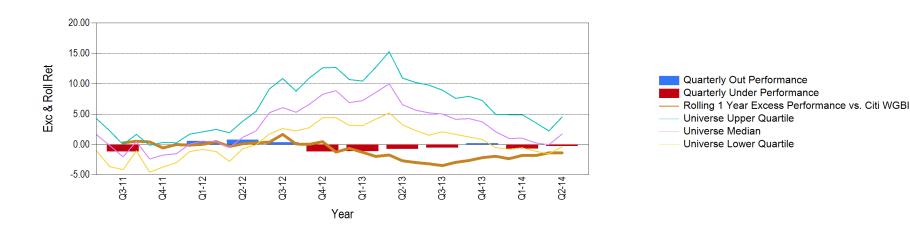


## Mondrian GFI

Bond vield for each market minus Mondrian's inflation forecast for that country. Mondrian will consider investing in the government debt of all countries within the Citigroup World Government Bond Index and other developed world bond markets. Within the emerging world most countries are researched and will include dollar denominated and local currency issuers. Mondrian's bond universe is constructed by selecting a range of bonds from the aforementioned regions at varying maturities, according to Mondrian's credit, liquidity and other specific criteria. A total of 150-200 issues are followed closely, although this list is not intended to be exhaustive. Mondrian bases its duration strategy on the size of potential long term "real" returns in a country's local market. This approach means that in practice, portfolio durations change gradually over time, and that Mondrian does not attempt to anticipate frequent interest rate changes. Mondrian's Credit Committee, chaired by John Kirk is responsible for sector recommendations in the various international markets. Each sector is assigned a prospective credit rating and current yield differentials where comparable government bonds are then assessed for their attractiveness. Mondrian seeks to add value through the use of non-governmental debt, although corporate bonds are a small part of the strategy and contribute a small portion to excess returns. Typically, sovereign and supranational issues comprise between 70% to 100% of a portfolio. High-guality foreign corporate debt is utilized, and may represent between 0% to 30% of a portfolio. In the case of corporate debt, the upper limit of 30% is strictly adhered to. A portfolio will typically hold between 30 and 40 securities.



eA All Global Fixed Inc Gross Accounts



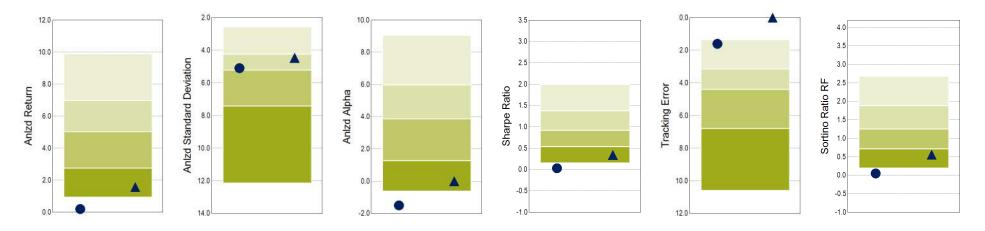
#### **Annualized Excess Performance**

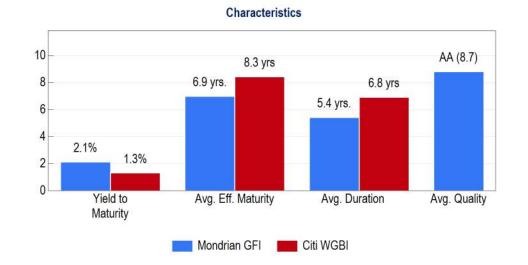


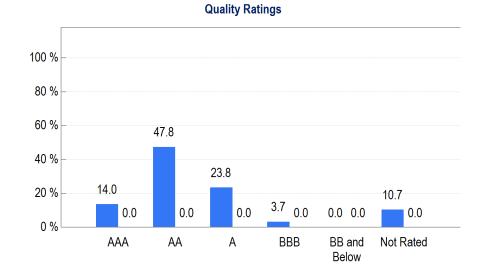


- Citi WGBI ٠
- Universe Median .
- 68% Confidence Interval
- eA All Global Fixed Inc Gross .

**3 Year Risk Statistics** 









Sectors



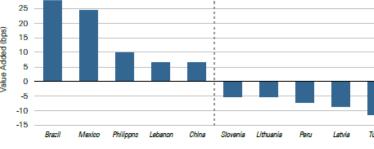
June 30, 2014

# Wellington Opportunistic Emerging Market Debt

#### **Portfolio Statistics**

| Portfolio | Index  |   |
|-----------|--|---|
| 5.71%     | 5.05%  |   |
| 7.05 Yrs  | 7.04 Yrs   |   |
| 6.97 Yrs  | 7.05 Yrs   |   |
| 2.50%     | _  |   |
| 22.47%    | -  |   |
| 18.22%    | -  |   |
| Baa2      | Baa3   |   |
|           | 5.71%<br>7.05 Yrs<br>6.97 Yrs<br>2.50%<br>22.47%<br>18.22% | 5.71%     5.05%       7.05 Yrs     7.04 Yrs       6.97 Yrs     7.05 Yrs       2.50%        22.47%        18.22% |

Period Ending 30/08/14 30 25 20 Value Added (bps) 15 10 5 0 -5 -10 -15 China Brazil Mexico Philippns Lebanon Clouonia Lithuania Latvia Turkey



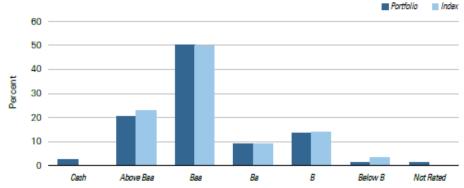
Top/Bottom 5 Country Contributors to Portfolio Alpha



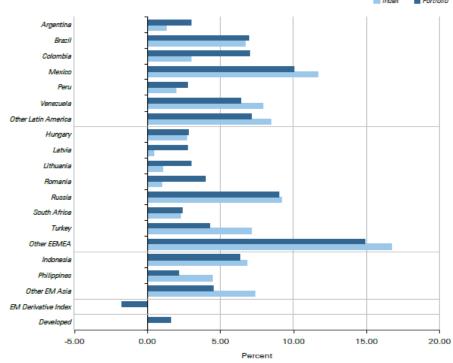
Country Weights represents Market Exposure

Index Portfolio

#### **Quality Distribution**



May not add to 100% due to derivative positions in portfolios that permit the use of such instruments Quality ratings are based on the highest of Fitch, Moody or S&P.



Source: Wellington Management



June 30, 2014

## Wellington Opportunistic Emerging Market Debt

-The Opportunistic Emerging Markets Debt investment approach seeks to generate attractive returns relative to an emerging markets debt benchmark such as the J.P. Morgan Emerging Markets Bond Index Global (EMBI Global), or similar, independent of traditional benchmark constraints.

-Disciplined investment approach that integrates systematic research from both quantitative and fundamental perspective. Risk Management Due to the credit, currency, and local interest rate risks inherent in investing in these markets, and the structural complexity of some emerging markets debt instruments, a comprehensive system of risk controls is required to manage risks such as sovereign and corporate defaults, local currency volatility, and local debt yield curve inversions.

-The investment process begins with a thorough assessment of global economic, liquidity, and market conditions. Wellington combines comprehensive top-down quantitative and macroeconomic analysis with bottom-up sovereign credit research to identify key global factors and to determine the potential impact on emerging markets debt. The resulting market outlook determines the overall risk level of the portfolio.

-Opportunistic Emerging Markets Debt is an unconstrained, best ideas approach that takes advantage of investment opportunities in emerging markets sovereign, corporate, and local markets to generate attractive total returns. It is managed by the same team that has been responsible for the Emerging Markets Debt approach since its inception.



## Mellon Global Expanded Alpha I (Global Asset Allocation)

The core philosophy behind Mellon's Global Expanded Alpha strategy is that global capital markets are an orderly and mostly rational structure over the long term and that prices reflect expected returns based on fundamentals. However while equilibrium exists there are factors in the capital markets which cause prices to deviate from the equilibrium. Mellon seeks to diversify investment exposure across many asset classes. Global Stocks, Global Bonds and Currencies are the broad asset classes in which Global Alpha 1 is exposed. Mellon determines expected returns, risks, and correlations for each asset class in the twelve major capital markets (Australia, Canada, France, Germany, Hong Kong, Italy, Japan, the Netherlands, Spain, Switzerland, the U.K., and the U.S.) where they actively allocate assets. Model has been expanded to new alpha sources: emerging markets and commodities. Alpha in the emerging market is extracted through both emerging market equities and currencies. Emerging market equity and currency models rely on similar signals to those employed in developed equities and currencies models. Relative Valuation is the basis for asset class investment decisions. Investment instruments used include Futures, Forwards, Options and Asset Class Funds. Mellon is capable of taking Long/Short positions in any instruments but must be Net Long Stocks and Bonds.

#### Strategy Benchmark Global Bond Benchmark Commodity Equity Alpha Misc. Total Alpha Period Currencv Stock/Bond Country Country Replication Allocation Return Return Jan-14 -3.20% -1.55% -1.65% -116 98 -40 94 3 -1 -7 -165 Feb-14 2.04% 53 3.20% -1.16% -48 2 -37 -59 -21 -5 -116 Mar-14 -3.39% 0.41% -3.80% -3 -86 -47 -180 -53 -15 4 -380 Apr-14 0.04% -0.74% -11 9 9 5 7 -8 -74 0.78% -85 May-14 2.24% 0 93 32 9 1.40% 0.84% -56 9 -5 84 Jun-14 2.04% 1.25% 0.80% 4 53 -32 39 19 5 -8 79

#### **Performance & Attribution**

#### Performance & Attribution – Calendar Years & Annualized

| Period         | Strategy<br>Return | Benchmark<br>Return | Alpha  | Global<br>Stock/Bond | Equity<br>Country | Bond<br>Country | Currency | Benchmark<br>Replication | Commodity<br>Allocation | Misc. | Total Alpha |
|----------------|--------------------|---------------------|--------|----------------------|-------------------|-----------------|----------|--------------------------|-------------------------|-------|-------------|
| YTD 2014       | -0.40%             | 5.55%               | -5.95% | -73                  | -172              | -76             | -132     | -76                      | -15                     | -52   | -595        |
| 2013           | 12.25%             | 10.24%              | 2.01%  | 340                  | -170              | 63              | -90      | -3                       | 38                      | 23    | 201         |
| 2012           | 11.27%             | 11.45%              | -0.18% | -24                  | -16               | 197             | -214     | 10                       | 25                      | 5     | -18         |
| 2011           | -0.13%             | -1.80%              | 1.47%  | -168                 | 136               | 139             | 56       | 26                       | 2                       | -43   | 147         |
| (Partial) 2010 | 10.43%             | 5.72%               | 4.71%  | -137                 | 71                | 185             | 291      | 65                       | -6                      | 2     | 471         |

Source: Mellon Capital Management

\*Index is 50% MSCI ACWI IMI (HH), 20% Citi WGBI GDP (HH), 10% BC Global Inflation Linked (HH), 5% BC US Intermediate Credit, 5% BC US Corp HY, 5% JPM GBI EM Local Debt, 5% DJ-UBS Commodity. Returns are net of fee.



# Mellon Global Expanded Alpha I (Global Asset Allocation)

## Market Exposures

## Equity Exposure

| Country          | Mellon % | Index % | Over % |
|------------------|----------|---------|--------|
| Australia        | 1.0%     | 1.4%    | -0.4%  |
| Brazil           | -0.2%    | 0.0%    | -0.2%  |
| Canada           | 3.2%     | 2.0%    | 1.2%   |
| China            | 0.0%     | 0.0%    | 0.0%   |
| Emerging Markets | 6.1%     | 5.4%    | 0.7%   |
| France           | 0.1%     | 1.7%    | -1.5%  |
| Germany          | 23.0%    | 1.6%    | 21.4%  |
| Hong Kong        | 7.2%     | 0.5%    | 6.7%   |
| India            | 0.0%     | 0.0%    | 0.0%   |
| Italy            | -2.9%    | 0.5     | -3.4%  |
| Japan            | 18.3%    | 3.8%    | 14.5%  |
| Mexico           | 0.1%     | 0.0%    | 0.1%   |
| Netherlands      | 7.2%     | 0.5%    | 6.8%   |
| Poland           | 0.0%     | 0.0%    | 0.0%   |
| So. Africa       | -0.1%    | 0.0%    | -0.1%  |
| So. Korea        | 0.2%     | 0.0%    | 0.2%   |
| Spain            | -6.0%    | 0.6%    | -6.6%  |
| Switzerland      | -2.2%    | 1.5%    | -3.7%  |
| Taiwan           | -0.1%    | 0.0%    | -0.1%  |
| Turkey           | -0.1%    | 0.0%    | -0.1%  |
| United Kingdom   | -11.37%  | 3.9%    | -15.6% |
| United States    | 24.8%    | 24.7%   | 0.1%   |
| Other            | 2.3%     | 2.0%    | 0.3%   |
| Total            | 70.5%    | 50.0%   | 20.5%  |

| Bond Exposure    |          |         |        |
|------------------|----------|---------|--------|
| Country          | Mellon % | Index % | Over % |
| Australia        | 5.7%     | 0.7%    | 5.0%   |
| Canada           | 0.1%     | 0.8%    | -0.07% |
| Emerging Markets | 0.0%     | 5.0%    | -5.0%  |
| Europe ex UK     | -12.3%   | 6.6%    | -18.9% |
| International    | 5.0%     | 10.0%   | -5.0%  |
| Japan            | -41.3%   | 2.2%    | -43.5% |
| United Kingdom   | 21.4%    | 1.1%    | 20.3%  |
| United States    | 46.0%    | 17.6%   | 28.4%  |
| Other            | 1.3%     | 1.0%    | 0.3%   |
| Total            | 25.8%    | 45.0%   | -19.2% |

### Commodity and Cash Exposure

|           | Mellon % | Index % | Over % |
|-----------|----------|---------|--------|
| Commodity | 10.1%    | 5.0%    | 5.1%   |
| Cash      | -6.4%    | 0.0%    | -6.4%  |
| Total     | 3.7%     | 5.0%    | -1.3%  |

| Currency Ex      | posure   |         |        |
|------------------|----------|---------|--------|
| Country          | Mellon % | Index % | Over % |
| Australia        | -8.4%    | 1.1%    | -9.5%  |
| Brazil           | 0.3%     | 0.0%    | 0.3%   |
| Canada           | 17.6%    | 1.5%    | 16.1%  |
| Chile            | -0.3%    | 0.0%    | -0.3%  |
| Denmark          | 0.4%     | 0.2%    | 0.2%   |
| Emerging Markets | 6.1%     | 10.4%   | -4.3%  |
| Euro             | -23.4%   | 6.6%    | -30.0% |
| Hong Kong        | 0.0%     | 0.0%    | 0.0%   |
| India            | -0.1%    | 0.0%    | -0.1%  |
| Indonesia        | -0.1%    | 0.0%    | -0.1%  |
| Israel           | -0.1%    | 0.0%    | -0.1%  |
| Japan            | -4.9%    | 3.1%    | -8.0%  |
| Mexico           | 0.0%     | 0.0%    | 0.0%   |
| New Zealand      | -7.5%    | 0.0%    | -7.5%  |
| Norway           | 0.1%     | 0.2%    | -0.1%  |
| Poland           | 0.0%     | 0.0%    | 0.0%   |
| Russia           | 0.3%     | 0.0%    | 0.3%   |
| So. Africa       | -0.3%    | 0.0%    | -0.3%  |
| So. Korea        | 0.2%     | 0.0%    | 0.2%   |
| Sweden           | 4.1%     | 0.5%    | 3.6%   |
| Switzerland      | -17.4    | 0.9%    | -18.3% |
| Taiwan           | 0.3%     | 0.0%    | 0.3%   |
| Turkey           | -0.1%    | 0.0%    | -0.1%  |
| United Kingdom   | 42.8%    | 4.0%    | 38.9%  |
| United States    | 87.6%    | 70.4%   | 17.2%  |
| Other            | 2.8%     | 1.1%    | 1.8%   |
| Total            | 100.0%   | 100.0%  | 0.0%   |
|                  |          |         |        |

Source: Mellon Capital Management



# PIMCO All Asset

| and Number  | 736<br>All Asset |           |           |              |           |           |           |            |           |             |           |         |
|---|------------------|-----------|-----------|--------------|-----------|-----------|-----------|------------|-----------|-------------|-----------|---------|
| ind Name  | Fund             |           |           |              |           |           |           |            |           |             |           |         |
| Total Fund Net Assets (\$US MM)                                 | 34,624.2         |           |           |              |           |           |           |            |           |             |           |         |
|   | 3/31/2012        | 6/30/2012 | 9/30/2012 | 12/31/2012   | 3/31/2013 | 6/30/2013 | 9/30/2013 | 12/31/2013 | 3/31/2014 | 4/39/2014   | 5/31/2014 | 6/30/20 |
| ort-Term Strategies:  | 0.1%             | 0.1%      | 0.3%      | 0.0%         | 0.2%      | -0.2%     | 0.8%      | 0.6%       | 0.6%      | 1.1%        | 0.5%      | 1.1%    |
| Low Duration Fund   | 0.0%             | 0.0%      | 0.2%      | 0.0%         | 0.0%      | 1.2       | 0.8%      | 0.5%       | 0.6%      |             |           |         |
| Short Term Fund   | 0.0%             | 0.1%      | 0.196     | 0.0%         | 0.0%      | 0.0%      | 0.096     | 0.0%       | 0.0%      |             |           |         |
| Net Cash Equivalents  | -                | -         | 0.0%      | 0.0%         | 0.2%      | -0.2%     | 0.0%      | 0.1%       | 0.0%      |             |           |         |
| 5 Core and Long Maturity Bond Strategies:                       | 63%              | 5.2%      | 5.8%      | 10.8%        | 11.3%     | 10.4%     | 8.3%      | 4.8%       | 4.8%      | 5.3%        | 4.8%      | 7.9%    |
| GNMA Fund   |                  |           | -         | 110000       |           | 1000      |           | -          | 1         | E105070 - 1 |           |         |
| Investment Grade Corporate Bond Fund                            | 3.2%             | 2.0%      | 1.2%      | 2.8%         | 3.1%      | 2.6%      | 0.9%      | 0.3%       | 0.0%      |             |           |         |
| Long Duration Total Return Fund                                 | 0.1%             | 0.1%      | 0.1%      | 1.8%         | 3.2%      | 3.1%      | 2.2%      | 0.1%       | 0.0%      |             |           |         |
| Long Term Credit Fund   | 2.8%             | 2.9%      | 2.8%      | 3.7%         | 3.6%      | 3.8%      | 3.8%      | 3.8%       | 4,195     |             |           |         |
| Long-Term US Government Fund                                    | 0.0%             | D.0%      | 0.0%      | 1.0%         | 0.7%      | 0.7%      | 0.5%      | 0.1%       | 0.1%      |             |           |         |
| Mortgage-Backed Securities Fund                                 |                  | Card in   |           |              |           |           |           |            |           |             |           |         |
| Total Return Fund   | 0.2%             | 0.1%      | 1.7%      | 1.5%         | 0.7%      | 0.2%      | 0.9%      | 0.5%       | 0.6%      |             |           |         |
| A and Global Bond Strategles:                                   | 28.3%            | 31.0%     | 30.8%     | 28.7%        | 26.9%     | 26.8%     | 25.0%     | 24.5%      | 24.4%     | 24.2%       | 24.4%     | 2435    |
| Diversified Income Fund   | 4.1%             | 4.2%      | 4,4%      | 4.3%         | 4.0%      | 3.6%      | 3.6%      | 3.6%       | 3.5%      | 2.4.2.10    | 24.4 /4   | 295374  |
| Emerging Local Bond Fund  | 7.0%             | 8.0%      | 7.9%      | 7.4%         | 7.0%      | 7.1%      | 7.4%      | 7.2%       | 7.3%      |             |           |         |
| Emerging Local Bond Fund  | 3.8%             | 4.5%      | 4.0%      | 3.4%         | 3.1%      | 3.1%      | 3.5%      | 3.7%       | 4.0%      |             |           |         |
|   | 3.87%            | 4.3%      | 0.4%      | 3.4%<br>0.8% | 0.7%      | 0.7%      | 1.0%      | 1.4%       | 1.4%      |             |           |         |
| Emerging Markets Corporate Bond Fund                            | -                |           |           |              |           |           |           |            |           |             |           |         |
| Emerging Markets Currency Fund                                  | 7.7%             | 8.0%      | 8.0%      | 7.0%         | 6.6%      | 6.8%      | 7.2%      | 7.4%       | 7.2%      |             |           |         |
| Foreign Bond Fund (Unhedged)                                    | 2.5%             | 2.8%      | 2.9%      | 2.7%         | 2,4%      | 2.4%      | 0.7%      | 0.1%       | 0.1%      |             |           |         |
| Global Advantage Strategy Bond Fund                             | 3.2%             | 3.4%      | 3.3%      | 3.2%         | 3.0%      | 3.0%      | 1.8%      | 1.0%       | 0.9%      |             |           |         |
| Global Bond Fund (Unhedged)                                     | -                | -         | -         | -            | -         | -         | -         | -          | -         |             |           |         |
| edit Strategies:  | 28.2%            | 29.8%     | 30.4%     | 29.5%        | 29,1%     | 29.3%     | 26.1%     | 23.9%      | 23.4%     | 23.1%       | 23.0%     | 18.6%   |
| Convertible Fund  | 3.2%             | 3.0%      | 2.1%      | 0.7%         | 0.3%      | 0.1%      | 20        | 1.71       | 1 (B)     |             |           |         |
| Floating income Fund  | 6.9%             | 6.7%      | 6.7%      | 6.6%         | 6.2%      | 5.4%      | 3.3%      | 2.0%       | 1.9%      |             |           |         |
| High Yield Fund   | 6.8%             | 7.9%      | 8.1%      | 6.2%         | 6.0%      | 6.3%      | 5.5%      | 4.8%       | 4.6%      |             |           |         |
| High Yield Spectrum Fund  | 1.9%             | 2.5%      | 2.6%      | 3.0%         | 3.7%      | 4.1%      | 4.2%      | 43%        | 4.5%      |             |           |         |
| Income Fund   | 8.6%             | 8.7%      | 8.8%      | 10.3%        | 10.0%     | 10.3%     | 10.5%     | 10.7%      | 10.5%     |             |           |         |
| Senior Floating Rate Fund                                       | 0.7%             | D.9%      | Z.1%      | 2.6%         | 2.8%      | 3,1%      | 2.5%      | 2.2%       | 1.9%      |             |           |         |
| flation Related Strategles:                                     | 17.0%            | 12.6%     | 8.0%      | 2.5%         | 2.0%      | 2.1%      | 5.2%      | 8.3%       | 8.9%      | 9.2%        | 9.2%      | 9.7%    |
| CommoditiesPLUS <sup>TM</sup> Strategy Fund                     | 6.6%             | 6.3%      | 5.4%      | 2.4%         | 1.8%      | 1.8%      | 2.1%      | 2.8%       | 2.9%      |             |           |         |
| CommodityRealReturn Strategy Fund@                              | 2.5%             | 1.9%      | 1.8%      | 0.1%         | 0.1%      | 0.1%      | 0.8%      | 1.4%       | 1.5%      |             |           |         |
| Global Advantage® Inflation-Linked Bond Exchange-Traded Fund    | -                | -         | -         | 0.1%         | 0.1%      | 0.1%      | 0.1%      | 0.1%       | 0.1%      |             |           |         |
| Real Return Asset Fund  | 4.5%             | 1.0%      | 0.0%      | 0.0%         | 0.0%      | 0.0%      | 0.4%      | 0.3%       | 0.4%      |             |           |         |
| Real Return Fund  | 0.0%             | 0.0%      | 0.0%      | 0.0%         | 0.0%      | 0.0%      | 0.3%      | 0.3%       | 0.2%      |             |           |         |
| RealEstateRealReturn Strategy Fund                              | 3.3%             | 3.5%      | 0.8%      |              | -         | 0.2%      | 1.6%      | 3.4%       | 3.9%      |             |           |         |
| Equity Strategles:  | 1.0%             | 1.0%      | 0.9%      | 0.9%         | 1.0%      | 1.0%      | 1.1%      | 1.2%       | 1.2%      | 1.1%        | 1.1%      | 1.1%    |
| Fundamental IndexPLUS®  | -                | -         | -         | -            | -         |           | -         | +          | -         |             |           |         |
| Pundamental IndexPLUS® AR                                       | 0.1%             | D.1%      | 0.1%      | 0.1%         | 0.1%      | 0.1%      | 0.1%      | 0.1%       | 0.1%      |             |           |         |
| Low Volatility RAFI®-FLUS AR Fund                               | -                | -         | -         | -            | -         |           | -         | 0.0%       | 0.2%      |             |           |         |
| Small Cap StocksPLUS® AR Strategy                               | 0.1%             | D.1%      | 0.1%      | 0.1%         | 0.1%      | 0.2%      | 0.2%      | 0.1%       | 0.1%      |             |           |         |
| Small Company Fundamental IndexPLUS® AR Strategy                | 0.6%             | 0.6%      | 0.6%      | 0.6%         | 0.6%      | 0.7%      | 0.7%      | 0.8%       | 0.8%      |             |           |         |
| StocksPLUS@ Fund  | 0.0%             | 0.0%      | 0.0%      | 0.0%         | 0.0%      | 0.0%      | 0.0%      | 0.0%       | 0.0%      |             |           |         |
| StocksPLUS@ Absolute Return Fund                                | 0.1%             | D.1%      | 0.1%      | 0.1%         | 0.1%      | 0.1%      | 0.1%      | 0.1%       | 0.0%      |             |           |         |
| obal Equity Strategies:   | 14.8%            | 18256     | 18 4%     | 17.8%        | 16.8%     | 16.4%     | 19.7%     | 23.2%      | 22.9%     | 22.4%       | 23.5%     | 23.9%   |
| EM Fundamental IndexPLUS® AR Strategy Fund                      | 9.4%             | 9.8%      | 10.1%     | 9.7%         | 8.9%      | 8.3%      | 10.0%     | 11.6%      | 7.3%      | 22210 IN    | 101010    | 2010 /4 |
| EMG Inti Low Volatility RAFI@-PLUS AR Fund                      | 2,479            | 3.6770    | 19911 20  | 3.7 30       | 6.3 %     | 0.370     | 10.0 %    | 0.0%       | 4.0%      |             |           |         |
| ENG IND LOW VOLUTILY HARMPPLUS AR FUND                          | 0.1%             | 0.1%      | 0.1%      | 0.1%         | 0.1%      | 0.1%      | 0.1%      | 0.1%       | 0.1%      |             |           |         |
|   |                  |           |           |              |           |           |           |            |           |             |           |         |
| EqS Emerging Markets Fund                                       | 0.2%             | 0.2%      | 0.2%      | 0.2%         | 0.2%      | 0.2%      | 0.2%      | 0.2%       | 0.2%      |             |           |         |
| EqS Pathfinder Fund   | 2.0%             | 1.9%      | 1.8%      | 1.8%         | 1.8%      | 1.8%      | 2.3%      | 3.5%       | 3.3%      |             |           |         |
| International Fundamental IndexPLUS® AR Strategy Fund           | 2.2%             | 5.4%      | 5.4%      | 5.3%         | 5.1%      | 5.3%      | 6,3%      | 6.9%       | 4.0%      |             |           |         |
| International StocksPLUS® AR Strategy Fund (U.S. Dollar Hedged) | 0.2%             | 0.2%      | 0.2%      | 0.2%         | 0.2%      | 0.2%      | 0.2%      | 0.2%       | 0.2%      |             |           |         |
| International StocksPLUS® AR Strategy Fund (Unhedged)           | 0.6%             | 0.5%      | 0.5%      | 0.6%         | 0.6%      | 0.6%      | 0.6%      | 0.6%       | 0.5%      |             |           |         |
| Inti Low Volatility RAFI®-PLUS AR Fund                          |                  |           |           |              |           |           |           | 0.0%       | 3.2%      |             |           |         |
| temative Strategies:  | 4.4%             | 2.2%      | 5.4%      | 9.6%         | 12.7%     | 14.2%     | 13.7%     | 13.5%      | 13.8%     | 13.6%       | 13.4%     | 13.3%   |
| Credit Absolute Return Fund                                     | 0.2%             | 0.2%      | 0.2%      | 0.5%         | 0.5%      | 1.0%      | 2.0%      | 2.0%       | 3.0%      |             |           |         |
| EqS Long/Short Fund   |                  | D.4%      | 0.4%      | 0.3%         | 0.4%      | 0.4%      | 0.4%      | 0.4%       | 0.5%      |             |           |         |
| Fundamental Advantage Absolute Return Strategy Fund             | 2.0%             | 1.2%      | 2.8%      | 4.1%         | 2.8%      | 2.9%      | 1.5%      | 2.3%       | 2.4%      |             |           |         |
| Mortgage Opportunities Fund                                     |                  |           |           | 7.5          | -         | 0.1%      | 0.5%      | 0.5%       | 0.6%      |             |           |         |
| TRENDS Managed Futures Strategy Fund                            |                  | -         | -         | ÷:           | -         | 3         | -         |            | 0.2%      |             |           |         |
| Unconstrained Bond Fund   | 2.1%             | D.4%      | 2.0%      | 3.8%         | 5.3%      | 6.2%      | 5.4%      | 3.8%       | 2.8%      |             |           |         |
| Worldwide Fundamental Advantage AR Strategy Fund                |                  |           |           | 0.8%         | 3.7%      | 3.7%      | 3.9%      | 4.3%       | 4.4%      |             |           |         |

Source: PIMCO



income.

-PIMCO's All Asset Fund uses a Fund of Mutual Funds approach. Investment funds are continuously reallocated between various PIMCO Mutual funds base on strategic allocation decisions made by the advisor to the investment manager. Because both by policy and practice fixed income related securities tend to dominate the All Asset Funds asset allocation, and also because historical risk return measures correlate highly to core fixed income portfolio's. This investment may be categorized as either global asset allocation or core fixed

-The underlying funds may at times invest in derivatives. Use of these instruments may involve risks such as liquidity risk, interest rate risk, market risk, credit risk, management risk and the risk that a fund could not close out a position when it would be most advantageous to do so. Portfolios investing in derivatives can lose more than the principal amount invested.

-Shares of mutual funds that invest in Treasuries, TIPS and Government Bonds do not have the same guarantees as direct investments in these securities. Mortgage-backed securities are subject to prepayment risk. With corporate bonds there is no assurance that issuers will meet their obligations. An investment in high-yield securities generally involves greater risk to principal than an investment in higher-rated bonds. Investing in non-U.S. securities may entail risk as a result of non-U.S. economic and political developments, which may be increased when investing in emerging markets.

-No single fund may exceed 50% of the portfolio. There is a maximum exposure of 50% to StocksPLUS, StocksPLUS Total Return and International StocksPLUS TR Strategy Funds combined. There is a maximum exposure of 75% to CommodityRealReturn Strategy, Real Return, Real Return II, Real Return Asset and RealEstateRealReturn Strategy Funds combined.

-Leverage is permitted but is not expected to be used. Possible investment instruments are Stocks, Bonds, Currency, Commodities, Futures, Options, Options on Futures, and Swaps.

-The Fund is expected to outperform the Lehman Brothers U.S. TIPS 1-10 Year Index and CPI + 5% over a market cycle. The PIMCO All Asset Fund is a daily valued commingled fund.

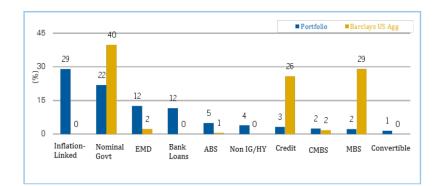


# Wellington Opportunistic Fixed Income

#### Characteristics

| Sector Anocation | Sector Al | location |
|------------------|-----------|----------|
|------------------|-----------|----------|

|                       | Portfolio | Benchmark |
|-----------------------|-----------|-----------|
| Yield to worst %      | 3.0       | 2.0       |
| OAS (bps)             | 126.0     | 35.0      |
| Duration – effective  | 4.9       | 5.5       |
| Convexity - effective | 6.0       | -0.2      |
|                       |           |           |



#### **Top Relative Contributors and Detractors**



#### **Regional Allocation**

#### Source: Wellington

DM Inflation-Linked Bonds EMD . Opportunistic

Tactical ideas & Cash

EM Inflation-Linked Bonds

Peripheral European Bonds

Government Relative Value Long/Short Credit Bank Loans



100

50

0

-50

(value added, bps)

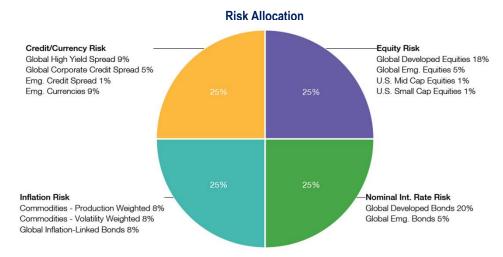
## Wellington OIF

-The objective of the Opportunistic Investment Allocation approach is to outperform core markets by making timely investments in non-core areas that are attractively valued, have positive structural tailwinds, or are expected to benefit from the anticipated cyclical environment. Opportunistic Investment Allocation is an unconstrained, non-benchmark oriented investment approach.

-The Opportunistic Investment Allocation approach provides exposure to a variety of investment approaches that focus on non-core areas, such as non-US small cap, emerging markets equity, and sector funds. Non-core areas are inherently interesting as they are typically less efficient sectors of the market where active managers have a history of strong value added. However, a drawback to these investment areas is their high level of volatility. One source of high volatility is structural change, which results in instability of long-term performance characteristics. When performance characteristics are unstable over time it is difficult to address the asset class in a static long-term asset allocation policy. Assuming that historical performance characteristics are representative of future results often leads institutional investors to either buy these niche areas at high valuations (after positive structural surprises) or ignore (sell) them when they are out of favor (after a negative structural surprise). For these reasons, Wellington believes that allocations to these areas should not be strategic, but opportunistic in nature.



# AQR Global Risk Premium Fund



#### Estimated Exposure Breakdown

|                                   | Long Exposure (% of NAV |
|-----------------------------------|-------------------------|
| Equity Risk                       |                         |
| Global Developed Equities         | 26%                     |
| Global Emerging Equities          | 6%                      |
| U.S. Mid Cap Equities             | 1%                      |
| U.S. Small Cap Equities           | 1%                      |
| Total Equity Risk                 | 35%                     |
| Nominal Interest Rate Risk        |                         |
| Global Developed Bonds            | 86%                     |
| Global Emerging Bonds             | 21%                     |
| Total Nominal Interest Rate Risk  | 108%                    |
| Inflation Risk                    |                         |
| Commodities - Production Weighted | 14%                     |
| Commodities - Volatility Weighted | 17%                     |
| Global Inflation-Linked Bonds     | 43%                     |
| Total Inflation Risk              | 74%                     |
| Credit/Currency Risk              |                         |
| Global High Yield Spread          | 30%                     |
| Global Corporate Credit Spread    | 56%                     |
| Emerging Credit Spread            | 3%                      |
| Emerging Currencies               | 31%                     |
| Total Credit/Currency Risk        | 121%                    |
| Total Fund Exposures              | 338%                    |

|   | Long Exposure (% of NAV |
|---|-------------------------|
| Equity Market Exposures                             |                         |
| Americas  | 19%                     |
| Europe  | 7%                      |
| Asia ex-Japan                                       | 6%                      |
| Japan   | 2%                      |
| Total Equity Market Exposures                       | 35%                     |
| Bond Market Exposures - Nominal and Inflation-Linke | ed                      |
| Americas  | 62%                     |
| Europe  | 62%                     |
| Asia  | 27%                     |
| Total Bond Market Exposures                         | 151%                    |
| Emerging Currency Exposures                         |                         |
| Asia  | 8%                      |
| Europe  | 10%                     |
| Latin America                                       | 9%                      |
| Dollar Block ex-U.S.                                | 4%                      |
| Total Emerging Currency Exposures                   | 31%                     |

Long Exposure (% of NAV)

Source: AQR



## AQR Global Risk Premium Fund

-The AQR Global Risk Premium Fund is equally risk weighted between four major asset classes or risk exposures: equities, interest rates, inflation, and alternative risk exposures - almost entirely spread/credit.

-By diversifying broadly & globally - across the broadest possible set of liquid risk-bearing assets, diversifying risk rather than capital - avoiding risk concentration by sizing broad risk exposures equally, the strategy develops a an efficient portfolio that is likely to outperform traditional asset allocations.

-Individual exposures are implemented through a variety of instruments, including: stock index futures and swaps, bond futures, interest rate swaps, global inflation-linked bonds, currency forwards, credit derivatives, and commodity futures & swaps.

-Implementation decisions include capital usage, liquidity, transaction costs, and counterparty exposure. Since the strategy is levered, there is limited available capital; therefore, derivative instruments such as swaps and futures, will be preferred to physical investment in a market, all else being equal.

-The majority of exposures are accessed synthetically - generally, over 70% of the funds capital is invested in cash funds through SSgA and Dreyfus. These are money market funds meant to preserve capital, not meant to chase a spread above LIBOR as an additional source of return.

-The fund attempts to maintain a healthy liquidity profile, both from a risk management standpoint and in order to fulfill the promise of monthly liquidity to investors.

-Implementation with the most liquid instruments will be preferred and will help in limiting transaction costs.

-Swap agreements and forwards take on counterparty risk. Counterparties are chosen based on analysis from a separate counterparty committee who determine approved counterparties across AQR's, limitations to exposures to each counterparty, as well as presenting AQR's credit worthiness to counterparties. Counterparty exposure is spread across several firms in order to minimize this risk.

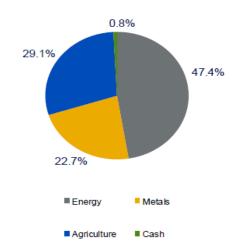


# Schroder Commodity

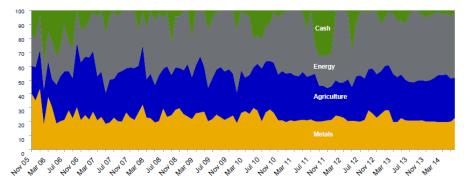
|           |        |               | Futures | Equities | ETF/Swaps | Total Exposure |
|-----------|--------|---------------|---------|----------|-----------|----------------|
|           |        | Crude Oil     | 29.7    |          |           | 29.7           |
|           |        | Gas Oil       | 2.4     |          |           | 2.4            |
| <b>F</b>  | 47.4%  | Gasoline      | 4.5     |          |           | 4.5            |
| Energy    | 41.470 | Heating Oil   | 2.8     |          |           | 2.8            |
|           |        | Natural Gas   | 5.4     | 2.6      |           | 8.0            |
|           |        | Coal          |         |          |           |                |
|           |        | Aluminum      | 1.8     |          |           | 1.8            |
|           |        | Соррег        | 1.9     |          |           | 1.9            |
|           |        |               | 0.6     |          |           | 0.6            |
|           |        | Nickel        | 1.5     |          |           | 1.5            |
| Metals    | 22.7%  |               |         |          |           |                |
| metals    | 22.170 |               | 0.8     |          |           | 0.8            |
|           |        |               | 5.9     | 3.2      | 2.8       | 11.9           |
|           |        |               | 4.2     |          |           | 4.2            |
|           |        | Palladium     |         |          |           |                |
|           |        | Platinum      |         |          |           |                |
|           |        | Corn          | 3.1     |          |           | 3.1            |
| Grains    | 7.3%   | Oats          |         |          |           |                |
| Grains    | 1.3%   | Rough Rice    |         |          |           |                |
|           |        | Wheat         | 4.2     |          |           | 4.2            |
|           |        | Rapeseed      |         |          |           |                |
| Oilseeds  | 4.4%   | Soybeans      | 1.6     |          |           | 1.6            |
| Oliseeus  | 4.4 /0 | Soybean Meal  | 1.0     |          |           | 1.0            |
|           |        | Soybean Oil   | 1.8     |          |           | 1.8            |
|           |        | Cocoa         | 0.6     |          |           | 0.6            |
|           |        | Coffee        | 2.7     |          |           | 2.7            |
| Softs     | 9.9%   | Orange Juice  |         |          |           |                |
|           |        | Sugar         | 4.2     |          | 2.4       | 6.6            |
|           |        | Milk          |         |          |           |                |
|           |        | Live Cattle   | 3.3     |          |           | 3.3            |
| Livestock | 4.6%   | Lean Hogs     | 1.3     |          |           | 1.3            |
| LIVOSCOCK |        | Feeder Cattle |         |          |           |                |
|           |        | Fish          |         |          |           |                |
|           |        |               |         |          |           |                |
|           |        |               |         |          |           |                |
|           |        |               |         |          |           |                |
|           |        |               |         |          |           |                |
|           |        | Rubber        |         |          |           |                |
| Cash      | 0.8%   | Cash          |         |          |           | 0.8            |
|           |        | TOTAL         | 86.4    | 5.8      | 7.0       | 100.0          |

### Sector Exposure





#### **Historical Sector Asset Allocation**



Metals ■Agriculture ■Energy ■Cash

Source: Schroder



-The objective of the Schroders Commodities strategy is to provide investors with a diversified exposure to the Commodities asset class, through investments in commodity futures and commodity related equities.

-The strategy is a beta or beta-plus product and aims to use active management to exploit the inefficiencies inherent in the asset class.

-Schroders uses an active, long-only approach to commodities management. No leverage is used and all futures positions are fully collateralized through investments in T-bills of less than one year maturity. As a result of this policy, cash and cash collateral are not subject to any duration or credit risk.

-The strategy is benchmark unconstrained meaning investments are made based on in-house analysis and implemented when that analysis indicates an attractive risk/reward opportunity. Commodities are not included as a result of their weighting in an index. The focus of Schroders' fundamental commodity analysis is the determination of supply and demand and supply/demand balances and most importantly, how these balances may change in the future.

-Quantitative, technical and sentiment analyses support the fundamental analysis in terms of the timing and sizing of positions.

-The investment horizon for the strategy is three to 12 months.

-Schroders utilize strict diversification rules. Commodities are reviewed on an ongoing basis. A commodity will not be held unless the fundamental analysis is positive.

-The Schroders universe is comprised of over 60 commodities.

-Most exposures are held through futures positions although equities may be purchased; typically whereby a commodity does not have an associated futures contract.



## Morgan Stanley Prime Property

-The Sponsor, on behalf of the Prime Property Fund, will endeavor to maintain a diversified investment in core U.S. real estate that offers stable, highly predictable cash flow returns. The focus is on high quality office buildings, Class A multifamily communities, warehouse distribution and storage facilities, and top tier super regional malls and shopping centers in targeted primary markets. The Sponsor favors investing in major metropolitan markets and selectively invests in secondary markets that are expected to achieve above-average economic performance. The Sponsor believes that these cities offer better liquidity, more diverse tenant bases and stronger resilience to market cycles.

-The Sponsor maintains a strong research orientation and utilizes research as a risk mitigation tool. Research is used to assist in market selection, product selection and disposition, and portfolio weightings.

-Although the methodologies used to determine strategies have remained constant over time, the investment strategy guidelines developed for PRIME have been modified from time to time over the past five years to reflect changes in market conditions and future market expectations.

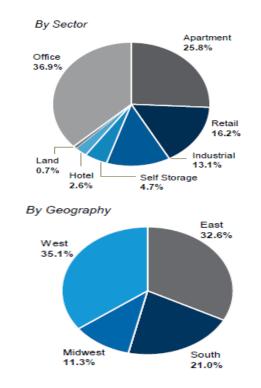
-Employment of these strategies have helped PRIME deliver strong relative returns including outperforming the NFI-ODCE benchmark over the trailing 1-year, 3-year, 5-year and 10-year periods

#### Property Sector Returns<sup>(4)(5)</sup>

|              |        | SECOND QUARTER |       |  |  |  |  |  |  |  |
|--------------|--------|----------------|-------|--|--|--|--|--|--|--|
| %            | INCOME | APPRECIATION   | TOTAL |  |  |  |  |  |  |  |
| Office       | 1.3    | 1.8            | 3.2   |  |  |  |  |  |  |  |
| Retail       | 1.4    | 3.5            | 4.9   |  |  |  |  |  |  |  |
| Industrial   | 1.5    | 0.8            | 2.3   |  |  |  |  |  |  |  |
| Self Storage | 1.4    | 1.1            | 2.6   |  |  |  |  |  |  |  |
| Apartment    | 0.8    | 2.7            | 3.6   |  |  |  |  |  |  |  |
| Hotel        | 1.8    | (0.9)          | 1.0   |  |  |  |  |  |  |  |

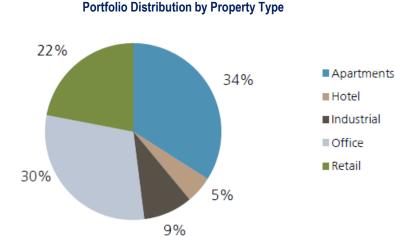
### Geographic Region Returns (4)(5)

|         |        | SECOND QUARTER |       |
|---------|--------|----------------|-------|
| %       | INCOME | APPRECIATION   | TOTAL |
| East    | 1.4    | 1.1            | 2.6   |
| Midwest | 1.1    | 3.3            | 4.4   |
| South   | 1.2    | 2.6            | 3.9   |
| West    | 1.1    | 1.9            | 3.1   |



## UBS Trumbull Property Fund

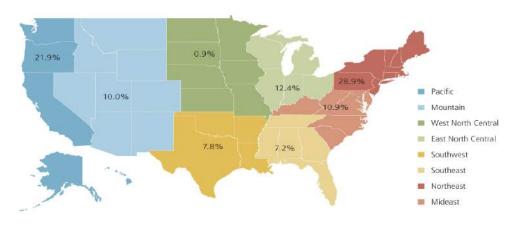
The UBS Trumbull Property Fund (UBS-TPF) is an actively managed core portfolio of equity real estate. The Fund seeks to provide attractive returns while limiting downside risk. The Fund has both relative and real return objectives. Its relative performance objective is to outperform the NFI-ODCE index over any given three-to five-year period. The Fund's real return performance objective is to achieve at least a 5% real rate of return (i.e., inflation-adjusted return), before advisory fees, over any given three-to five-year period.



#### Gross asset value USD 17.1 bn Quarterly returns (%) (GAV) 1.30 Income USD 14.7 bn Net asset value Appreciation 1.16 (NAV) Total (before fees) 2.46 Cash as a % of GAV 1.7% Total (after fees) 2.20 Debt as % of GAV 12.8% Number of 193 One-year rolling returns (%) investments 5.17 Income Number of investors 403 Appreciation 5.06 Deposits<sup>2</sup> Total (before fees) USD 418.6 m 10.42 Redemptions<sup>2</sup> USD 74.3 m Total (after fees) 9.31

**Key Statistics** 

**Distribution by Geographic Division** 



#### Source: UBS Realty Investors

## Real Estate - RREEF America REIT III

RREEF America III is an open-end, value-add fund with the objective of generating returns of 300-500 BPS above a core unlevered real estate portfolio. The fund aims to achieve these returns by upgrading the physical condition, occupancy and operating characteristics of the properties in which it invests. RREEF III will invest across all property types focusing on major metropolitan markets in the United

#### Investment Summary

| Net Asset Value <sup>1</sup>  | \$647,753,797  |
|-------------------------------|----------------|
| Number of Shares Outstanding  | 16,109,897     |
| Net Asset Value Per Share     | \$40.21        |
| Cash Balance of Fund          | \$314,007,053  |
| Debt <sup>2</sup>             | \$476,032,000  |
| Inception Date <sup>3</sup>   | March 31, 2003 |
| Redemption Shares Outstanding | 5,677,232      |
| Institutional Investors       | 117            |

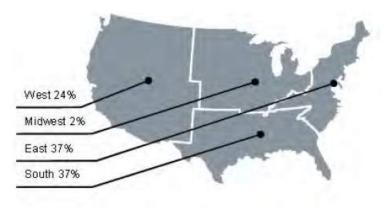
#### Property Information

|                            | Real Estate<br>Investments | Gross Real<br>Estate Value<br>(millions) |      | Quarter-end<br>Occupancy <sup>4</sup> |
|----------------------------|----------------------------|--|------|---------------------------------------|
| Retail                     | 4                          | \$167.1                                  | 17%  | 90%                                   |
| Office                     | 25                         | 533.8                                    | 55%  | 83%                                   |
| Industrial                 | 17                         | 177.4                                    | 18%  | 83%                                   |
| Development/<br>Land/Other | 8                          | 95.2                                     | 10%  | N/A                                   |
| Total                      | 54                         | \$973.5                                  | 100% | 84%                                   |

#### Share Price Share price of gross distributions 380 \$75 \$75.28 \$70 0-----305 \$60 \$55 350 **\$45** \$40 \$40.Z1 \$35 Jun 12 Sep 12 Dec 12 Mar 13 Jun 13 Sep 13 Dec 13 Mar 14 Jun 14

Note: Adjusted share price reflects net asset value before the capital distributions that began in 40/12. Source: Deutsche Asset & Weelth Management. Past performance is not indicative of tuture results. As of June 30, 2014.

#### Geographic Location



<sup>1</sup> The NAV (and accordingly, the Share Price) is calculated based primarily on values from independent approximate freal estate assets and Management's estimate of Fair Market Value of the Fund's debt obligations and does not purport to present the net realizatile, liquidation or fair value of the Fund as a whole. Uncertainty remains in the value of real estate investments. See "Performance Note" for further information.

Prefects debt marked to market. Excludes debt held in unconsolidated joint ventures (related to Silicon Valley Portfolio & Domain Joint Ventures).

<sup>3</sup> Date of first asset acquisition.

Source: Deutsche Asset and Wealth Management



# Grosvenor Institutional Partners, LP

HFRI Fund of Funds Composite Index

Grosvenor Institutional Partners, LP

Grosvenor Capital Management, LP

Benchmark 1 (BM1):

| E |
|---|
|   |

|      |                                 |             |          |                  | Ionthly P            | erforman   | ce (%)  | Net of Fe                                | es       |           |              |                         |             | Statistical Analysis       | Fund   | BM1                 | BM   |
|------|---------------------------------|-------------|----------|------------------|----------------------|--|---------|--|----------|-----------|--------------|-------------------------|-------------|----------------------------|--|---------------------|------|
| ear  | Jan                             | Feb         | Mar      | Apr              | May                  | Jun  | Jul     | Aug                                      | Sep      | Oct       | Nov          | Dec                     | Year        | Returns                    |  |                     |      |
| 014  | 0.0%                            | 1.6%        | -0.1%    | -0.6%            | 0.8%                 | 1.0%   |         |  |          |           |              |                         | 2.8%        | Annualized Compound ROR    | 6.0%   | 3.8%                | 4.0  |
| 13   | 2.6%                            | 0.6%        | 1.4%     | 0.8%             | 1.7%                 | -0.6%  | 1.7%    | 0.2%                                     | 1.7%     | 1.3%      | 1.6%         | 1.1%                    | 15.2%       | 3 Yr Return                | 6.9%   | 3.3%                | 16.6 |
| 12   | 1.6%                            | 1.8%        | 0.9%     | -0.1%            | -1.4%                | 0.4%   | 0.8%    | 1.2%                                     | 0.8%     | 0.5%      | 0.7%         | 1.2%                    | 8.6%        | 5 Yr Return                | 7.6%   | 4.2%                | 18.8 |
| 11   | 0.9%                            | 1.0%        | 0.0%     | 0.9%             | -0.1%                | -1.1%  | -0.2%   | -2.8%                                    | -2.7%    | 1.7%      | -0.7%        | -0.6%                   | -3.7%       | Best Month                 | 2,7%   | 5.2%                | 10.  |
| 10   | 0.7%                            | 0.3%        | 1.6%     | 0.8%             | -1.8%                | -0.9%  | 0.7%    | 0.2%                                     | 1.7%     | 1.2%      | 0.5%         | 1.5%                    | 6.5%        | Worst Month                | -6.9%  | -6.5%               | -16. |
| 09   | 1.2%                            | 0.0%        | -0.6%    | 0.1%             | 2.7%                 | 0.9%   | 2.2%    | 1.8%                                     | 2.3%     | 0.7%      | 1.0%         | 1.0%                    | 13.9%       | % Positive Months          | 78.2%  | 64.4%               | 62.  |
| 08   | -2.4%                           | 1.3%        | -1.8%    | 0.2%             | 1.5%                 | -0.7%  | -2.0%   | -1.3%                                    | -6.9%    | -5.3%     | -3.2%        | -2.3%                   | -20.9%      | Risk                       |  |                     |      |
| 07   | 1.7%                            | 0.8%        | 1.4%     | 1.4%             | 2.3%                 | 0.4%   | 0.8%    | -2.1%                                    | 1.2%     | 2.7%      | -0.6%        | 0.5%                    | 10.7%       | Standard Deviation         | 4.5%   | 5,2%                | 15.  |
| 06   | 1.9%                            | 0.4%        | 1.5%     | 1.1%             | -0.9%                | -0.6%  | 0.0%    | 0.8%                                     | 0.5%     | 1.3%      | 1.7%         | 1.4%                    | 9.4%        | 3 Yr Standard Deviation    | 4.2%   | 4.1%                | 12.  |
| 5    | 0.2%                            | 1.2%        | -0.3%    | -1.0%            | 0.4%                 | 1.2%   | 1.3%    | 0.9%                                     | 1.0%     | -1.2%     | 1.3%         | 1.6%                    | 6.8%        | 5 Yr Standard Deviation    | 3.9%   | 4.1%                | 13.  |
|      |                                 | 0.4140.9411 |          |                  | 00.0000              | NATION OF STREET, STRE | 0000000 | 1000000                                  |          |           |              | - analys                |             | Sharpe Ratio (3.5%)        | 0.6  | 0.1                 | 0    |
|      |                                 |             |          |                  |                      |  |         |  |          |           |              |                         |             | Sortino Ratio (7.0%)       | -0.2   | -0.7                | -0   |
| tper | form BM                         | l in Up M   | arkets   | Outper           | form BM i            | n Down I   | larkets |  | Di       | stributio | n of Ret     | urns                    |             | Downside Deviation (7.0%)  | 3.9%   | 4.5%                | 12   |
| 19   |                                 |             |          | 100%             |                      |  | -       | 80 m                                     |          |           |              |                         | -           | Max Drawdown               | -21.0%   | -22.2%              | -50  |
|      |                                 |             |          | 12.000           |                      |  |         |  |          |           |              |                         |             | Months In Maximum Drawdown | 14   | 14                  | 1    |
| 1    |                                 |             |          | 90%              | 0                    |  |         | 70                                       |          |           |              |                         |             | Months To Recover          | 48   | 66                  | 3    |
| -    |                                 |             |          | 80%              |                      | _  |         | 60                                       |          |           |              |                         |             | Comparison To Benchmark(s) |  | 0.000               |      |
|      |                                 |             |          | 70%              |                      |  |         |  |          |           |              |                         |             | Monthly Alpha              |  | 0.3%                | 0    |
|      |                                 |             |          |                  |                      |  |         | 8 50                                     |          |           |              |                         |             | Annualized Alpha           |  | 3.2%                | 5.   |
|      |                                 |             |          | 60%              |                      |  |         | 40                                       |          |           |              |                         |             | Beta                       |  | 0.7                 | 0.   |
| -    |                                 |             |          | 50%              |                      |  |         | a la |          |           |              |                         |             | Correlation                |  | 0.9                 | 0.   |
|      |                                 | 1           |          | 40%h             |                      |  |         | × 30                                     |          |           |              |                         |             | R-Squared                  |  | 73.2%               | 25.  |
|      |                                 |             |          | 30%              |                      |  |         | 20                                       |          |           |              |                         |             | Annual Returns             |  |                     |      |
|      |                                 |             |          | 30%              |                      |  |         |  |          |           |              |                         |             | 2014-(YTD)                 | 2,8%   | 2.0%                | 7.   |
|      |                                 |             |          | 20%              |                      |  |         | 10                                       |          | -         |              |                         |             | 2013                       | 15.2%  | 9.0%                | 32.  |
| -    |                                 |             |          | 10%              |                      |  |         | 0  |          | اللم م    |              |                         |             | 2012                       | 8.6%   | 4.8%                | 16.  |
|      |                                 |             |          | 0%               |                      |  |         |  | 9 to -8  | 510-4     | 100          | 310 4<br>510 6<br>710 8 | <b>b</b> 10 | 2011                       | -3.7%  | -5.7%               | 2.   |
|      | RI Fund of Fur<br>omposite Inde |             | 500 (TR) | н                | FRI Fund of Fund     |  | 00 (TR) |  | v 9 17   | 49 19     | 4            |                         | 01          | 2010                       | 6.5%   | 5.7%                | 15.  |
|      |                                 |             |          |                  | Composite Index      |  |         |  |          | Retu      | um Range (%) |                         |             | 2009                       | 13.9%  | 11.5%               | 26.  |
| sk/I | Return P                        | rofile      |          |                  |                      | 2.44   | -       | Underw                                   | ater Dra | wdowns    |              |                         |             | Latest Returns             | and a second | Contraction and the |      |
|      |                                 |             |          |                  |                      |  | 2010    |  |          |           |              |                         |             | Last Month                 | 1.0%   | 0.9%                | 2.   |
| 7%   |                                 |             |          |                  |                      |  | 0%      | N/W                                      |          |           |              | -                       | N N         | Last 3 Months              | 1,2%   | 1.5%                | 5.   |
|      |                                 |             |          |                  |                      |  | 10      | <b>MA 4</b>                              | ~ •      |           | 14           |                         |             | Last Year                  | 10.9%  | 7.6%                | 24   |
| 16   |                                 |             |          | Grasy            | enor Institutional i | Partners.  | -5%     |  |          |           | M            |                         |             | 2-Year                     | 11.6%  | 7.4%                | 22.  |
|      |                                 |             |          | LP               |                      |  |         |  |          |           |              | AN                      | 1           | 3-Year                     | 6,9%   | 3.3%                | 16   |
| -    |                                 |             |          |                  |                      |  | -10%    |  |          |           | 1            | 1                       |             | 4-Year                     | 7.0%   | 4.1%                | 20   |
| 74   |                                 |             |          |                  |                      | an op  |         |  |          |           |              | AL LA                   |             | 5-Year                     | 7.6%   | 4.2%                | 18   |
|      |                                 |             |          | A HIFRI<br>Index | Fund of Funds Cor    | mposite  | -15%    |  |          |           | 1            | A                       |             | Drawdown Analysis          |  |                     |      |
| 96   |                                 |             |          |                  |                      |  |         |  |          |           |              |                         |             | 1                          | -21.0%   | -22.2%              | -50  |
|      | T                               |             |          |                  |                      |  | -20%    |  |          |           |              |                         |             | 2                          | -2.4%  | -4.9%               | -44  |
| 1%   |                                 |             |          | SSP              | 500 (TR)             |  | -20%    |  |          |           |              |                         |             | 3                          | -2.1%  | -2.7%               | -6.  |
|      |                                 |             |          |                  |                      |  |         |  |          |           | 10.00        |                         |             | 4                          | -1.5%  | -2.5%               | -6.  |
|      |                                 |             |          |                  |                      |  | -25%    |  |          |           |              |                         |             |                            | 2.0.00   |                     |      |
| 296  |                                 |             |          |                  |                      |  |         | 2002                                     | 2004     | 2005      | 2009         | 2011                    | 2013        | 5                          | -1,2%  | -2.2%               | -5.  |

\*\*\*Past Performance is not indicative of future results. Ratios are calculated based on a risk-free rate of 3.5% Actual ratios may vary depending on the actual risk-free rate and life of the fund\*\*\*\*



-Generating consistent returns with low volatility and avoiding capital losses and headline risk, is the overall investment philosophy duly embedded in the business ethos of the firm. In enacting this philosophy, Grosvenor consciously pursues proven fundamentally driven strategies that are relatively liquid and have historically maintained a low correlation to traditional markets. However, Grosvenor avoids Macro/CTAs and some leveraged strategies. Low correlation and low volatility would necessarily imply a low equity beta (currently 0.2) Returns are targeted at T bills +5-10% with volatility in 6-7% range. It fears posting mediocre returns of 2-3% suggesting that Grosvenor values top line performance as much as managing volatility.

-Broadly speaking, the GIP portfolio can be visualized as 45% Long/Short equity, 40% fixed income and 15% opportunistic. Currently, the strategy allocation stands as: Equity Hedge 44%, Long/Short credit (incl. structured credit and distressed) 32%, Relative Value/Arbitrage 7%, Risk Arbitrage & Diversified Event 6%, Macro-oriented/vol. arbitrage and tail risk strategies 3%, Cash 8%.

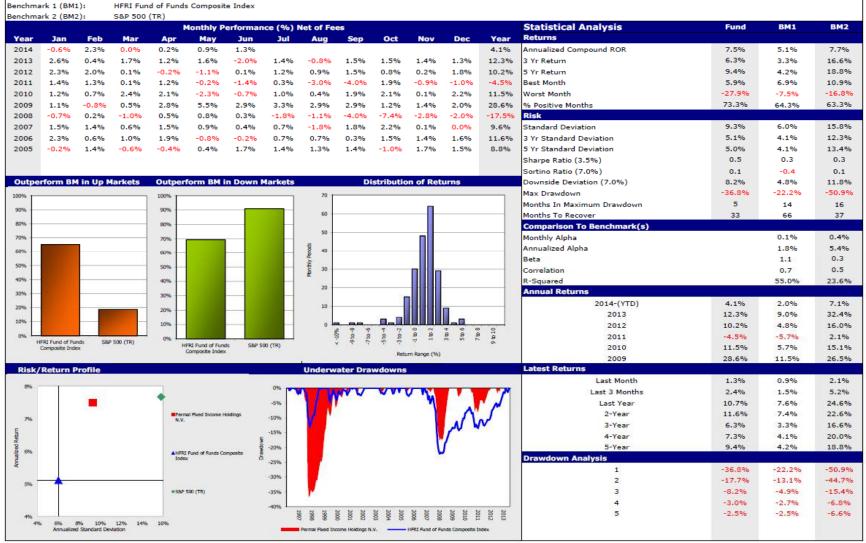
-Grosvenor follows a conventional portfolio construction process which begins by setting investment objectives -returns, volatility and correlation estimatesand strategy constraints and manager limits. Concurrently, the investment committee outlines its broad investment themes in the context of a bigger opportunity set.



# Permal Fixed Income Holdings N.V.

Permal Fixed Income Holdings N.V.

Permal Group Ltd.



\*\*\*Past Performance is not indicative of future results. Ratios are calculated based on a risk-free rate of 3.5% Actual ratios may vary depending on the actual risk-free rate and life of the fund\*\*\*\*



## Permal Fixed Income Holdings

-PFIH is a global, multi-manager, multi-strategy diversified fixed income portfolio. Assets are invested in both credit (57%) and non-credit (41%) spread related strategies. Strategies in the credit spread portion are Developed Markets Fixed Income, Emerging Markets Fixed Income, and Hedged Fixed Income (managers that employ short positions). Strategies in the non-credit portion are Relative Value Arbitrage, Event-Driven, and Global Macro.

-The objective of PFIH is to deliver returns of 8-12% returns with 5-7% volatility. The fund typically invests with about 55-65 managers. Turnover is about 15%/year. This is lower (about 10%) within the group of established managers, and higher (30-35%) among new managers. Three of Permal's overriding philosophies are start small, diversify, and focus time and effort on existing positions.



# GAM U.S. Institutional Diversity

HFRI Fund of Funds Composite Index

GAM U.S. Institutional Diversity

GAM London Limited

Benchmark 1 (BM1):

| N | E |
|---|---|
| Ρ | С |

| _        | rk 2 (BM2                        |               | S&P 500  |          |                                      |           |         |              |                  |            |              |               |          | Chatiotical Analysis       |                | Dist.  |     |
|----------|----------------------------------|---------------|----------|----------|--------------------------------------|-----------|---------|--------------|------------------|------------|--------------|---------------|----------|----------------------------|----------------|--------|-----|
|          |                                  |               |          |          | Monthly Pe                           |           |         |              |                  |            |              |               |          | Statistical Analysis       | Fund           | BM1    | BN  |
| ar       | Jan                              | Feb           | Mar      | Apr      | May                                  | Jun       | Jul     | Aug          | Sep              | Oct        | Nov          | Dec           | Year     | Returns                    |                |        |     |
| 14       | -1.3%                            | 2.3%          | -0.8%    | -1.5%    | 1.9%                                 | 1.2%      |         |              |                  |            |              |               | 1.7%     | Annualized Compound ROR    | 7.6%           | 5.3%   | 8.1 |
| 13       | 2.8%                             | 0.3%          | 0.6%     | 2.0%     | 2.1%                                 | -1.0%     | 0.4%    | -1.3%        | 1.9%             | 0.7%       | 1.7%         | 1.6%          | 12.3%    | 3 Yr Return                | 5.4%           | 3.3%   | 16. |
| .2       | 1.9%                             | 1.6%          | 0.2%     | -0.7%    | -1.0%                                | -0.2%     | 1.3%    | 0.5%         | 0.8%             | 0.4%       | 0.3%         | 1.2%          | 6.6%     | 5 Yr Return                | 3.6%           | 4.2%   | 18  |
| 1        | -0.1%                            | 0.9%          | 0.1%     | 0.8%     | -0.9%                                | -1.0%     | 0.4%    | -2.4%        | -2.0%            | 0.7%       | -0.4%        | -0.1%         | -4.0%    | Best Month                 | 10.2%          | 6.9%   | 10  |
| 10       | -0.6%                            | 0.4%          | 0.8%     | -0.1%    | -2.5%                                | -3.3%     | 0.1%    | -0.2%        | 1.2%             | 1.1%       | 0.1%         | 1.0%          | -2.1%    | Worst Month                | -7.9%          | -7.5%  | -16 |
| 9        | 0.8%                             | 0.1%          | -0.1%    | -0.4%    | 1.1%                                 | -0.2%     | 0.9%    | 1.1%         | 1.3%             | -0.3%      | 1.1%         | -0.1%         | 5.4%     | % Positive Months          | 68.1%          | 64.8%  | 63  |
| 8        | -2.1%                            | 1.0%          | -2.2%    | -0.1%    | 0.9%                                 | -0.4%     | -1.8%   | -1.2%        | -4.7%            | -2.5%      | -2.1%        | -0.9%         | -15.0%   | Risk                       |                |        |     |
| 7        | 0.1%                             | 2.6%          | -0.6%    | 2.2%     | 1.3%                                 | 1.1%      | -0.7%   | -3.0%        | 2.4%             | 2.6%       | -1.8%        | 0.2%          | 6.4%     | Standard Deviation         | 7.2%           | 6.0%   | 15  |
| 6        | 3.8%                             | 1.3%          | 1.3%     | 3.5%     | -2.7%                                | -1.9%     | 1.2%    | 0.5%         | 0.6%             | 2.4%       | 1.6%         | 3.1%          | 15.3%    | 3 Yr Standard Deviation    | 4.5%           | 4.1%   | 12  |
| 5        | -0.4%                            | 1.4%          | -0.8%    | -0.9%    | -0.6%                                | 1.4%      | 1.4%    | 1.0%         | 1.8%             | -1.4%      | 2.9%         | 2.9%          | 9.1%     | 5 Yr Standard Deviation    | 4.3%           | 4.1%   | 13  |
|          |                                  |               |          |          |                                      |           |         |              |                  |            |              |               |          | Sharpe Ratio (3.5%)        | 0.6            | 0.3    | 0   |
|          |                                  |               |          |          |                                      |           |         |              |                  |            |              |               |          | Sortino Ratio (7.0%)       | 0.1            | -0.3   | (   |
| per      | form BM                          | l in Up N     | larkets  | Outper   | form BM in                           | Down N    | larkets |              | D                | istributio | on of Ret    | urns          |          | Downside Deviation (7.0%)  | 4.7%           | 4.7%   | 11  |
| <u> </u> |                                  |               |          | 100%     |                                      |           |         | 70           |                  |            |              |               |          | Max Drawdown               | -17.3%         | -22.2% | -50 |
|          |                                  |               |          | 90%      |                                      |           |         |              |                  |            |              |               |          | Months In Maximum Drawdown | 47             | 14     |     |
| L        |                                  |               |          |          |                                      |           |         | 60 -         |                  |            |              |               |          | Months To Recover          | 29             | 66     |     |
|          |                                  |               |          | 80%      |                                      |           | - H.    | 50 -         |                  |            |              |               |          | Comparison To Benchmark(s) |                |        |     |
| +        |                                  |               |          | 70%      |                                      | _         |         | 50           |                  |            |              |               |          | Monthly Alpha              |                | 0.2%   | 0.  |
| <u> </u> |                                  |               |          | 60%      |                                      |           |         | 8 40         |                  |            |              |               |          | Annualized Alpha           |                | 2.1%   | 6.  |
|          |                                  | 1             |          |          |                                      |           |         | N/ Pe        |                  |            |              |               |          | Beta                       |                | 1.0    | 0   |
|          |                                  |               |          | 50%      |                                      |           |         | 30           |                  |            |              |               | -        | Correlation                |                | 0.9    | 0   |
| -        |                                  |               |          | 40%      |                                      |           |         |              |                  |            |              |               |          | R-Squared                  |                | 75,6%  | 19  |
|          |                                  |               |          | 30%      |                                      |           |         | 20 -         |                  | 0.0        |              |               |          | Annual Returns             |                |        |     |
|          |                                  |               |          | 22.1     |                                      |           |         | 10           |                  |            |              |               |          | 2014-(YTD)                 | 1.7%           | 2.0%   | 7.  |
|          |                                  |               |          | 20%      |                                      |           |         |              |                  |            |              | 10000         |          | 2013                       | 12.3%          | 9.0%   | 32  |
|          |                                  |               |          | 10%      |                                      |           |         | 0            |                  | لللمهم     | 0 7          | * 0 *         |          | 2012                       | 6.6%           | 4.8%   | 16  |
| -        |                                  |               |          | 0%       |                                      |           |         | 100          | -910-1<br>-710-1 | -5to -4    | 100          | 304           | 810      | 2011                       | -4.0%          | -5.7%  | 2.  |
| H        | RI Fund of Fun<br>Composite Inde | nds S&P<br>sx | 500 (TR) | н        | FRI Fund of Funds<br>Composite Index | S&P 50    | 00 (TR) | 1            | v 4 17           |            | 1            |               | 0        | 2010                       | -2.1%          | 5.7%   | 15  |
|          |                                  |               |          | 3        | comprane sincex                      |           |         | -            |                  | Retu       | um Range (%) |               |          | 2009                       | 5.4%           | 11.5%  | 26  |
| sk/      | Return P                         | rofile        |          |          |                                      |           |         | Underw       | ater Dra         | wdowns     | E            |               |          | Latest Returns             |                |        |     |
|          |                                  |               |          |          |                                      | 10        |         |              |                  |            |              |               |          | Last Month                 | 1.2%           | 0.9%   | 2.  |
| % -      |                                  |               |          |          |                                      |           | 0%      |              | WIT              | WW         | 1            |               |          | Last 3 Months              | 1.5%           | 1.5%   | 5   |
|          |                                  |               |          |          |                                      |           |         |              |                  | 1          | 1            |               |          | Last Year                  | 6.8%           | 7.6%   | 24  |
| 56       |                                  |               |          | SAM BGAM | U.S. Institutional Di                | wersity   | -5%     |              | -                |            |              |               | 1        | 2-Year                     | 9.3%           | 7.4%   | 22  |
|          |                                  |               |          |          |                                      |           |         |              |                  |            |              | A.            |          | 3-Year                     | 5.4%           | 3.3%   | 16  |
| 96       | -                                |               |          |          |                                      | -         | -10%    | N/           |                  |            |              | 11            |          | 4-Year                     | 4.8%           | 4.1%   | 20  |
| 100      |                                  |               |          | -        |                                      | wop       | 1.000   | 10           |                  |            |              | 11            |          | 5-Year                     | 3.6%           | 4.2%   | 18  |
|          |                                  |               |          | AHFRI    | Fund of Funds Com<br>x               | iposite a | -15%    |              |                  |            |              | <b>//</b> / 1 | <b>7</b> | Drawdown Analysis          |                |        |     |
| 56       |                                  |               |          |          |                                      |           |         |              |                  |            |              |               |          | 1                          | -17.3%         | -22.2% | -50 |
|          |                                  |               |          |          |                                      |           | -20%    |              |                  |            |              | 1             |          | 2                          | -11.8%         | -13.1% | -44 |
|          | 1                                |               |          | ● S&P !  | 500 (TR)                             |           | 20%     |              |                  |            |              | 1             |          | 3                          | -5.2%          | -4.9%  | -13 |
| 96       |                                  |               |          |          |                                      |           |         |              |                  |            |              | 100 C         |          |                            |                |        |     |
| 56       |                                  |               |          |          |                                      |           | 376774  |              |                  |            |              |               |          | 4                          | -4.9%          | -2.7%  | -6  |
| 56       |                                  |               |          |          |                                      |           | -25%    | 1999<br>1999 | 2002<br>2001     | 2009       | 2007         | 2010          | 2011     | 4                          | -4.9%<br>-4.6% | -2.7%  | -6  |

\*\*\*Past Performance is not indicative of future results. Ratios are calculated based on a risk-free rate of 3.5%. Actual ratios may vary depending on the actual risk-free rate and life of the fund\*\*\*



-The GAM Diversity strategy aims seeks to achieve absolute returns with diversification of risk and low correlation to traditional asset classes such as equities and bonds. GAM strategy targets net returns of 9-13% net per annum with 5-7% volatility and 0.2-0.6 correlation to the S&P 500 and 0.0-0.2 correlation to the Barclays Capital US Aggregate Bond Index.

-The GAM portfolio construction process combines the structural discipline of clear return and risk targets with the bottom-up assessment of opportunity and risk across markets and strategies within a unified portfolio construction framework. GAM would not deviate from the portfolio construction process unless GAM felt the returns and risk characteristics being generated were not meeting GAM's expectations. If this were to happen GAM would take steps to reevaluate the process and make adjustments.

-Asset allocation for GAM Multi-Manager's portfolios allows each investment manager to draw on the synthesized views of the specialist investment teams and apply them to his or her own portfolios as appropriate. The views of the specialist investment teams are formed and captured on a quarterly basis, when all senior Multi-Manager investment managers gather for the three-day Quarterly Investment Meeting (QIM). The purpose of the QIM is to review formally the prior quarter's investment results, assess opportunities and consider changes to strategic and tactical views.







## Glossary of Terms

**Alpha** - Measures the relationship between the fund performance and the performance of another fund or benchmark index and equals the excess return while the other fund or benchmark index is zero.

Alpha Jensen - The average return on a portfolio over and above that predicted by the capital asset pricing model (CAPM), given the portfolio's beta and the average market return. Also known as the abnormal return or the risk adjusted excess return.

Annualized Excess Return over Benchmark - Annualized fund return minus the annualized benchmark return for the calculated return.

Annualized Return - A statistical technique whereby returns covering periods greater than one year are converted to cover a 12 month time span.

**Beta** - Measures the volatility or systematic risk and is equal to the change in the fund's performance in relation to the change in the assigned index's performance.

Information Ratio - A measure of the risk adjusted return of a financial security, asset, or portfolio.

#### Formula:

(Annualized Return of Portfolio - Annualized Return of Benchmark)/Annualized Standard Deviation(Period Portfolio Return – Period Benchmark Return). To annualize standard deviation, multiply the deviation by the square root of the number of periods per year where monthly returns per year equals 12 and quarterly returns is four periods per year.

**R-Squared** – Represents the percentage of a fund's movements that can be explained by movements in an index. R-Squared values range from 0 to 100. An R-Squared of 100 denotes that all movements of a fund are completely explained by movements in the index.

**Sharpe Ratio** - A measure of the excess return or risk premium per unit of risk in an investment asset or trading strategy.

**Sortino Ratio** - A method to differentiate between good and bad volatility in the Sharpe Ratio. The differentiation of up and down volatility allows the calculation to provide a risk adjusted measure of a security or fund's performance without upward price change penalties.

#### Formula:

Calculation Average (X-Y)/Downside Deviation (X-Y) \* 2 Where X=Return Series X Y = Return Series Y which is the risk free return (91 day T-bills) Standard Deviation - The standard deviation is a statistical term that describes the distribution of results. It is a commonly used measure of volatility of returns of a portfolio, asset class, or security. The higher the standard deviation the more volatile the returns are.

#### Formula:

(Annualized Return of Portfolio – Annualized Return of Risk Free) / Annualized Standard Deviation (Portfolio Returns)

**Tracking Error** - Tracking error, also known as residual risk, is a measure of the degree to which a portfolio tracks its benchmark. It is also a measure of consistency of excess returns. Tracking error is computed as the annualized standard deviation of the difference between a portfolio's return and that of its benchmark.

#### Formula:

Tracking Error = Standard Deviation (X-Y) \*  $\sqrt{(\# of periods per year)}$ Where X = periods portfolio return and Y = the period's benchmark return For monthly returns, the periods per year = 12 For quarterly returns, the periods per year = 4

**Treynor Ratio** - A risk-adjusted measure of return based on systematic risk. Similar to the Sharpe ratio with the difference being the Treynor ratio uses beta as the measurement of volatility.

#### Formula:

(Portfolio Average Return - Average Return of Risk-Free Rate)/Portfolio Beta

**Up/Down Capture Ratio** - A measure of what percentage of a market's returns is "captured" by a portfolio. For example, if the market declines 10% over some period, and the manager declines only 9%, then his or her capture ratio is 90%. In down markets, it is advantageous for a manager to have as low a capture ratio as possible. For up markets, the higher the capture ratio the better. Looking at capture ratios can provide insight into how a manager achieves excess returns. A value manager might typically have a lower capture ratio in both up and down markets, achieving excess returns by protecting on the downside, whereas a growth manager might fall more than the overall market in down markets, but achieve above-market returns in a rising market.

 $\label{eq:upsideCapture} UpsideCapture = TotalReturn(FundReturns)/TotalReturns(BMReturn) \ when \ Period Benchmark \ Return \ is \ > = 0$ 

DownsideCapture = TotalReturn(FundReturns)/TotalReturns(BMReturn) when Benchmark <0

Data Source: InvestorForce



## Reporting Methodology

- The client's custodian bank is NEPC's preferred data source unless otherwise directed. NEPC reconciles custodian data to manager data. If the custodian cannot provide accurate data, manager data may be used.
- Trailing time period returns are determined by geometrically linking the holding period returns, from the first full month after inception to the report date. Rates of Return are annualized when the time period is longer than a year. Performance is presented gross and/or net of fees as indicated on each page.
- For managers funded in the middle of a month, the "since inception" return will start with the first full month, although actual inception dates and cash flows are taken into account in all Composite calculations.
- This report may contain forward-looking statements that are based on NEPC's estimates, opinions and beliefs, but NEPC cannot guarantee that any plan will achieve its targeted return or meet other goals.



## It is important to note the following characteristics of many nontraditional investment strategies including hedge funds and private equity:

- 1. Performance can be volatile and investors could lose all or a substantial portion of their investment
- 2. Leverage and other speculative practices may increase the risk of loss
- 3. Past performance may be revised due to the revaluation of investments
- 4. These investments can be illiquid, and investors may be subject to lockups or lengthy redemption terms
- 5. A secondary market may not be available for all funds, and any sales that occur may take place at a discount to value
- 6. These funds are not subject to the same regulatory requirements as registered investment vehicles
- 7. Managers are not required to provide periodic pricing or valuation information to investors
- 8. These funds may have complex tax structures and delays in distributing important tax information
- 9. These funds often charge high fees
- 10. Limited partnership agreements often give the manager authority to trade in securities, markets or currencies that are not within the manager's realm of expertise or contemplated investment strategy



- Past performance is no guarantee of future results.
- All investments carry some level of risk. Diversification and other asset allocation techniques are not guaranteed to ensure profit or protect against losses.
- Some index returns displayed in this report or used in calculation of a policy, allocation or custom benchmark may not be available from the source or may be preliminary and subject to change.
- NEPC's source for portfolio pricing, calculation of accruals, and transaction information is the plans custodial bank. Information on market indices and security characteristics is received from other sources external to NEPC. While NEPC has exercised reasonable professional care in preparing this report, we cannot guarantee the accuracy of all source information contained within.
- This report is provided as a management aid for the client's internal use only. Performance contained in this report does not constitute a recommendation by NEPC.
- This report may contain confidential or proprietary information and may not be copied or redistributed to any party not legally entitled to receive it.

