## Hewitt ennisknupp

An Aon Company

# Ventura County Employees' Retirement Association 

Second Quarter 2012

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# Market Environment Second Quarter 2012 

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## Market Highlights

|  | Annualized Periods Ending 6/30/2012 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Second | Year-to- |  |  |  |  |
|  | Quarter | Date | 1-Year | 3-Year | 5-Year | 10-Year |
| Equity |  |  |  |  |  |  |
| MSCI All Country World IMI | -5.7\% | 5.8\% | -6.9\% | 11.3\% | -2.4\% | 6.2\% |
| MSCI All Country World | -5.6\% | 5.7\% | -6.5\% | 10.8\% | -2.7\% | 5.7\% |
| Dow Jones U.S. Total Stock Market | -3.1\% | 9.4\% | 4.0\% | 16.9\% | 0.6\% | 6.1\% |
| Russell 3000 | -3.1\% | 9.3\% | 3.8\% | 16.7\% | 0.4\% | 5.8\% |
| S\&P 500 | -2.8\% | 9.5\% | 5.4\% | 16.4\% | 0.2\% | 5.3\% |
| Russell 2000 | -3.5\% | 8.5\% | -2.1\% | 17.8\% | 0.5\% | 7.0\% |
| MSCI All Country World ex-U.S. IMI | -7.8\% | 2.9\% | -14.8\% | 7.4\% | -4.5\% | 7.2\% |
| MSCI All Country World ex-U.S. | -7.6\% | 2.8\% | -14.6\% | 7.0\% | -4.6\% | 6.7\% |
| MSCI EAFE | -7.1\% | 3.0\% | -13.8\% | 6.0\% | -6.1\% | 5.1\% |
| MSCI EAFE Index (100\% Hedged) | -6.4\% | 2.3\% | -11.1\% | 1.7\% | -9.6\% | -0.1\% |
| MSCI Emerging Markets | -8.9\% | 3.9\% | -15.9\% | 9.8\% | -0.1\% | 14.1\% |
| Fixed Income |  |  |  |  |  |  |
| Barclays Global Aggregate | 0.6\% | 1.5\% | 2.7\% | 6.0\% | 6.7\% | 6.5\% |
| Barclays Aggregate Bond | 2.1\% | 2.4\% | 7.5\% | 6.9\% | 6.8\% | 5.6\% |
| Barclays Long Gov't | 10.3\% | 4.2\% | 31.4\% | 13.5\% | 11.9\% | 8.9\% |
| Barclays Long Credit | 5.0\% | 5.8\% | 19.2\% | 15.1\% | 10.0\% | 8.6\% |
| Barclays Long Gov'/Credit | 7.3\% | 5.0\% | 24.6\% | 14.4\% | 11.0\% | 8.7\% |
| Barclays High Yield | 1.8\% | 7.3\% | 7.3\% | 16.3\% | 8.4\% | 10.2\% |
| SSB Non-U.S. WGBI | 0.2\% | 0.0\% | 0.4\% | 5.1\% | 7.4\% | 7.1\% |
| JP Morgan EMBI Global (Emerging Markets) | 2.5\% | 7.4\% | 10.9\% | 13.5\% | 9.4\% | 11.7\% |
| Commodities |  |  |  |  |  |  |
| Dow Jones UBS Commodity | -4.5\% | -3.7\% | -14.3\% | 3.5\% | -3.7\% | 5.0\% |
| Goldman Sachs Commodity | -12.4\% | -7.2\% | -10.7\% | 2.1\% | -5.5\% | 3.4\% |
| Hedge Funds |  |  |  |  |  |  |
| HFR Fund-Weighted Composite Index | -2.7\% | 1.9\% | -4.2\% | 5.2\% | 1.1\% | 6.1\% |
| HFR Fund of Funds Index | -2.2\% | 1.1\% | -4.4\% | 2.2\% | -2.0\% | 3.2\% |
| Real Estate |  |  |  |  |  |  |
| NAREIT U.S. Equity REITS Index | 3.7\% | 14.9\% | 12.9\% | 32.4\% | 2.6\% | 10.3\% |
| NCREIF ODCE ${ }^{1}$ | 2.5\% | 2.5\% | 13.6\% | 3.2\% | -1.3\% | 5.4\% |
| Private Equity |  |  |  |  |  |  |
| Thomson Reuters VentureXpert ${ }^{2}$ | 4.6\% | 9.4\% | 9.4\% | 14.2\% | 6.7\% | 9.8\% |
| Infrastructure |  |  |  |  |  |  |
| Macquarie Global Infrastructure - North America | 3.5\% | 3.5\% | 13.4\% | 17.5\% | 4.5\% | 10.1\% |
| $1{ }^{1}$ The benchmark is as of $3 / 31 / 2012$ ${ }^{2}$ The benchmark is as of $12 / 31 / 2011$ |  |  |  |  |  |  |

- U.S. economic growth, as well as job growth, slowed during the second quarter.
- European economic data remained weak throughout the second quarter.
- Europe's strongest economy, Germany, fell victim to waning economic conditions while its unemployment rate rose to $6.8 \%$.
- Equity markets rebounded during the last week of June mainly due to the extension of Operation Twist, an expected rate cut by the European Central Bank, and market anticipation of quantitative easing by the Bank of England.
- Non-U.S. equity significantly underperformed U.S. equity.
- The 10-year U.S. Treasury approached a record low yield of $1.44 \%$ at the beginning of June.
- The Spanish 10 -year yield rose above $7.0 \%$ amid concerns over the deepening European debt crisis.
- Long duration bonds outperformed shorter duration bonds.
- Commodity indices experienced negative returns during the quarter, primarily stemming from lower energy prices.


## U.S. Equity Markets



- Sluggish growth in the U.S., China, and Germany created downward momentum in equity markets during the second quarter.
- Consumer spending fell for the third straight month while disappointing data from the U.S. labor market and manufacturing sector reduced investor risk appetite.
- The Dow Jones U.S. Total Stock Market fell $3.1 \%$ for the quarter, but remained positive over the one-year period.
- Technology, materials, and oil \& gas were among the worst performing sectors posting returns of $-7.9 \%,-7.6 \%$, and $-6.9 \%$, respectively. Telecommunications and utilities were markets leaders producing returns of $12.0 \%$ and $5.5 \%$, respectively, during the second quarter.
- Large cap outperformed both small cap and mid cap helping the Dow Jones U.S. Total Stock Market Index to remain positive over the one-year period.


## Non-U.S. Equity Markets

## COUNTRY / REGION RETURNS <br> As of 6/30/2012



- A slower than expected recovery in Europe, India, and China kept non-U.S. equity markets negative during the second quarter.
- Disappointing economic data out of Germany, France and Spain resulted in lower second quarter returns of -12.4\%, $-9.0 \%$ and $-12.5 \%$, respectively.
- Latin America fell sharply over the quarter and the one-year period.
- EM Europe was the worst performing region over the one-year period.


## Non-U.S. Equity Markets

MSCI ALL COUNTRY WORLD ex-U.S. IMI GEOGRAPHIC ALLOCATION AS OF 6/30/2012


- The exhibit above illustrates the percent each country/region represents of the non-U.S. equity market as measured by the MSCl All Country World ex-U.S. IMI.
- Note on Other: Includes South Africa, Egypt, and Morocco.


## Global Stock Markets

MSCI ALL COUNTRY WORLD IMI GEOGRAPHIC ALLOCATION AS OF 6/30/2012


- The MSCI All Country World IMI is a capitalization-weighted index of stocks representing 24 developed stock markets and 21 emerging stock markets. The graph above shows the allocation to each country/region at quarter-end.
- Note on Other: Includes South Africa, Egypt, and Morocco.


## U.S. Fixed Income Markets

RETURNS BY QUALITY
AS OF 6/30/2012


Source: Barclays Live

- An inadequate economic recovery helped fuel a flight to quality favoring Government bonds.
- Long duration outperformed intermediate and short-term bonds.
- Long-term government bonds remained the strongest performing sector over the one-year period.
- Government and corporate bonds outperformed their peers during the quarter and the one-year period.
- Investment grade outperformed high-yield during the quarter and one-year period.

SECTOR RETURNS
AS OF 6/30/2012


RETURNS BY MATURITY
AS OF 6/30/2012


## U.S. Fixed Income Markets



Source: U.S. Department of Treasury

- Concern over mounting European uncertainty and worsening emerging markets economic conditions forced investors to look for a safe haven in the U.S., pushing Treasury yields to historic lows.
- The U.S. 10-year Treasury yield hit a record low of $1.44 \%$, while the 30 -year Treasury yield remained at an exceptionally low level.
- The Federal Open Market Committee pledged to keep downward pressure on long-term Treasury rates, while also extending Operation Twist through the end of the year.


## European Fixed Income Markets

EUROZONE PERIPHERAL BOND YIELDS
(Yield differences with Germany)


Source: Bloomberg

- Spanish and Italian 10-year bond yields rose during the quarter amid renewed investor concerns over the debt crises in both countries.
- Greece's 10-year spread decreased prior to elections, but a lack of commitment from the new government to stay in the European Union pushed spreads wider towards the end of the second quarter.
- Spanish, Italian, and Greek 10-year spreads widened, while Portuguese and Irish 10-year spreads narrowed during the quarter.


## Credit Spreads

## As of 6/30/2012

| Spread (bps) | $06 / 30 / 2012$ | $03 / 31 / 2012$ | $06 / 30 / 2011$ | Quarterly Change (bps) | 1-Year Change (bps) |
| :--- | :---: | :---: | :---: | :---: | :---: |
| U.S. Aggregate | 77 | 64 | 54 | 13 | 23 |
| Long Govt. | 5 | 5 | 4 | 0 | 1 |
| Long Credit | 228 | 198 | 168 | 30 | 60 |
| Long Govt./Credit | 130 | 114 | 97 | 16 | 33 |
| MBS | 76 | 53 | 37 | 23 | 3 |
| CMBS | 235 | 221 | 243 | -6 | -8 |
| ABS | 59 | 65 | 81 | 23 | -22 |
| Corporate | 199 | 176 | 153 | 39 | 46 |
| High Yield | 615 | 576 | 525 | 49 | 90 |
| Global Emerging Markets | 408 | 359 | 294 |  | 114 |

Source: Barclays Live

- Credit spreads widened during the quarter across most segments, mainly due to a persistent decline in U.S. Treasury yields.
- Credit spreads across most segments remain higher relative to a year ago.
- Over the year, high-yield and emerging market bonds have seen their credit spreads widen by 90 bps and 114 bps , respectively.


## Market Volatility

## Historical Daily VIX Closing Prices

Since Inception through 6/30/2012


- Volatility, as measured by the VIX, ended the quarter below its long-term average.
- The VIX was trending up to end the quarter, as economic data across the globe turned negative.


## Commodities



Sources: Dow Jones and CME

- The Dow Jones UBS Commodity Index fell by $4.6 \%$ for the quarter mainly due to poor performance in petroleum, softs (i.e., coffee, cocoa, and sugar), and industrial metals sectors.
- Higher than normal temperatures and below average rainfall in the U.S. East and Midwest caused corn and soybean futures to spike during the month of June.
- Corn was the best performing grain in June posting a return of $25.4 \%$, while soybeans returned $13.9 \%$. Both components helped the grains subindex produce positive returns.


## Currency

Difference Between MSCI EAFE Unhedged and Hedged Indices As of 6/30/2012


- MSCI EAFE Unhedged outperformed the EAFE Hedged Index YTD and over the trailing 3-, 5-, and 10-year periods.


## U.S. Unemployment Rate <br> Unemployment Rate

As of 6/30/2012


Source: Bureau of Labor Statistics

- At the end of the second quarter, the U.S. unemployment rate remained unchanged at $8.2 \%$.
- After adding 677,000 jobs during the first quarter, growth slowed during the second quarter and only $225,000^{1}$ jobs were created.
$\overline{{ }^{1} \text { Preliminary data: }}$ The U.S. Bureau of Labor Statistics.


## Active Manager Report Card ${ }^{1}$

|  | Median Return ${ }^{2}$ |  | Index Return |  | Index Return ${ }^{1}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Peer Group/Index | Qtr. | 1 Year | Qtr. | 1 Year | Qtr. | 1 Year |
| All Cap Equity/Russell 3000 Index | -4.7\% | -0.6\% | -3.1\% | 3.8\% | $26^{\text {th }}$ Percentile | $20^{\text {th }}$ Percentile |
| Large Cap Equity/Russell 1000 Index | -4.0\% | 2.9\% | -3.1\% | 4.4\% | $30^{\text {th }}$ Percentile | $32^{\text {nd }}$ Percentile |
| Small Cap Equity/Russell 2000 Index | -4.9\% | -3.9\% | -3.5\% | -2.1\% | $30^{\text {th }}$ Percentile | 33 ${ }^{\text {rd }}$ Percentile |
| Non-U.S. Equity/MSCI ACWI ex U.S. | -7.3\% | -13.9\% | -7.6\% | -14.6\% | $55^{\text {th }}$ Percentile | $61^{\text {st }}$ Percentile |
| Global Equity/MSCI ACWI | -5.8\% | -11.8\% | -5.6\% | -6.5\% | $45^{\text {th }}$ Percentile | $36^{\text {th }}$ Percentile |
| Core Fixed Income/Barclays Aggregate | 2.0\% | 7.5\% | 2.1\% | 7.5\% | $48^{\text {th }}$ Percentile | $60^{\text {th }}$ Percentile |

- During the second quarter, active management underperformed relative to passive management in all areas shown above with the exception of non-U.S. equity.
- Passive management within U.S. equity significantly outperformed active management over the quarter and the one-year period.
- Passive management within fixed income edged out active management over the quarter.

[^0]
## U.S. Commercial Real Estate Markets

## RETURNS: PRIVATE vs. PUBLIC

AS OF 6/30/2012


Source: NCREIF, NAREIT

STAGES OF FUNDAMENTAL RECOVERY U.S. REAL ESTATE MARKET


## Total Returns

- The NFI-ODCE returned $2.2 \%$ during the second quarter (preliminary), down from $2.5 \%$ during the first quarter. For the year, NFI-ODCE returned 11.3\% (preliminary) demonstrating a continued waning in momentum. In 2012, return expectations are closer to the sector's long-term average of $7 \%-9 \%$.
- REIT performance remained relatively strong in the second quarter, rising $4.0 \%$. Given high volatility over the last 12 months, the FTSE NAREIT Equity Index rose a total of $12.5 \%$ over the trailing one-year period. In 2012, REITs are expected to move more inline with the their long-term trend, returning $8 \%-11 \%$, though volatility is likely to remain above average.


## Sector Fundamentals

- Improvements in sector fundamentals (e.g., demand, vacancy, and rent) continued in the second quarter; though significant variations still exist by market and property type.
- Transaction volumes, while positive, remained below trend as the capital markets are still under pressure from broader investment market concerns. With the availability of capital increasing, momentum should pick up with investor confidence.
- Downward pressure is expected to remain on nonresidential net operating income in most markets as leases expire this year and re-sign at today's substantially lower rates. Going forward (2013 and beyond), growing demand in most property types is expected to reverse this trend.


## U.S. Commercial Real Estate Markets

UNLEVERED PRIVATE CORE RETURNS BY PROPERTY TYPE AS OF 3/31/2012


Source: NCREIF

## Total Returns for Core Assets by Property Type

- The apartment sector has led the pricing rebound to date benefiting from the residential housing crisis and an early onset job recovery.
- Strip retail assets have performed best over the long-term due largely to a growing national population; however, regional performance varies significantly.
- Office assets generally lag in a recovery due to a stronger reliance on corporate confidence and job growth. Stronger and more consistent job growth is required to drive higher returns.
- Recent industrial sector indicators remain challenged.


## RETURNS: Core Markets Relative to Distressed

AS OF 5/31/2012


Source: CPPI Moody's/REAL National All Property Types

## Total Returns by Market and Distress

- Core assets in major markets have attracted significant new capital since the sector's trough. As such, price rebounds have been significant as shown above. Capitalization rates for many of these assets now approach pre-recession levels, although based off much lower net operating income.
- Price recovery in non-stabilized assets and in secondary markets has lagged the core rebound to date due to limited investor appetite and lack of available financing. However, banks are now more willing to address their distress, thus the backlog of distressed assets is likely to reduce more significantly in 2012.


## Private Equity Market Overview - Q1 2012




Source: Thomson Reuters and PitchBook. Non-U.S. PE performance is calculated on a semiannual basis; most recent data is as of 12/31/2011. Deal flow statistics exclude venture capital data.

- Fundraising: Healthy but not excessive levels. Remains well below pre-crisis levels (\$591 billion). Overhang significant ( $\$ 750$ billion) but decreasing.
- Buyout: A 20\% decrease in total deal value over the end of 2011; purchase price multiples are decreasing and are just above the 10-year average; equity currently comprising $\sim 44 \%$ of the purchase price; activity in Europe remains slow due to scarcity of financing.
- Venture capital: First quarter 2012 investment levels below the quarterly 2011 average; a number of M\&A exits down $\sim 26 \%$ to 2011 quarterly average while IPOs were up $43 \%$ but then stalled after a poor Facebook debut.
- Mezzanine: Situation in Europe continues to favor mezzanine lenders as CLOs have limited cash to re-invest and European banks are dealing with capital constraints; U.S. mezzanine lenders continue to be active in smaller transactions, while getting squeezed out of larger transactions in favor of high yield.
- Distressed Debt: Default rates increased slightly but remain at historically low levels; investment levels remain low due to heavy refinance activity and low default rates; attractive opportunities exist looking forward to 2013-2014 due to fragile economy and reduced high yield and leveraged loan activity.
- Secondaries: $\$ 10$ billion raised in first half of 2012; $\$ 22$ billion in transactions, $\$ 2$ billion shy of full-year 2011; pricing discounts decreased to $16 \%$ for buyout and increased to $31 \%$ for venture.
- Infrastructure: $\$ 16.1$ billion raised through the first quarter (slightly down from 2011); deal activity lowest level since 2009.


## Hedge Fund Markets Overview

## HEDGE FUND SECTOR PERFORMANCE

As of $\mathbf{6 / 3 0 / 2 0 1 2}$


- Hedge funds declined during the quarter with the majority of strategies posting negative returns.
- Emerging markets and equity hedge strategies were the weakest performers as the market selloff in May, driven by continued concerns over European sovereign debt issues and disappointing economic data, weighed on performance.
- Relative value strategies produced marginal positive results during the quarter as those managers that reduced market exposures and/or had a tilt towards structured credit experienced larger gains than peers.

Total Fund

## Highlights

 | Return Summary |
| :--- |
| Dow Jones US Total Stock Index |

## 2Q 2012 Market Commentary

Following one of the best first quarters in recent history, financial markets lost ground during the second quarter amidst diminishing consumer sentiment and economic uncertainty in the Eurozone as Spain sought a bailout for its banking sector. News of the bailout lifted stocks in June, but those gains were unable to offset losses in April and May. The Federal Open Market Committee (FOMC) again decided to keep the target range for the federal funds rate at $0-0.25 \%$. The Committee also confirmed that weak economic conditions will likely warrant a low federal funds rate at least through late-2014. Although markets had hoped the Fed would announce a third round of quantitative easing, the Federal Reserve instead decided to extend Operation Twist, its program to purchase long-term Treasuries while simultaneously selling shorter dated securities, which was scheduled to conclude in June of 2012. The Fed will continue to take a wait and see approach to the possibility of additional stimulus.

According to the Bureau of Labor Statistics (BLS), the unemployment rate remained flat at $8.2 \%$, and U.S. employers created 225,000 jobs in the second quarter, making it the weakest quarter of job growth since the recovery in the labor market began in 2010 . Subsequent to seven straight months of declines, home prices increased $1.3 \%$ in April, as measured by the S\&P/Case Shiller Index, signaling that the real estate market may have found a floor early in the second quarter amidst an environment with sub-4\% 30 year mortgage rates and population growth exceeding the rate of new home construction. Investors entered risk-off territory as the Eurozone debt crisis continued to be a source of uncertainty throughout global financial markets. While investor confidence waned in May, the agreements reached at the EU Summit to recapitalize banks directly with bailout funds and relax conditions on rescue loans to Eurozone governments, provided some relief to the markets. In the U.S., the economy continued to show slow, steady growth, with real GDP increasing at an annual rate of $1.9 \%$ during the first quarter.

The U.S. equity market, as measured by the Dow Jones U.S. Total Stock Market Index, lost $3.1 \%$ during the second quarter. From a capitalization standpoint, large-cap and small-cap stocks were mixed, while from a style perspective, value outperformed growth during the quarter. Information Technology and Materials were the worst performing sectors during the second quarter, losing $7.9 \%$ and $7.6 \%$, respectively, while the Telecommunications sector was the best performing sector, gaining $12.0 \%$ during the quarter. The non-U.S. equity market, as measured by the MSCI All Country World ex-U.S. Index, fell $7.6 \%$ during the quarter, trailing the U.S. equity market by 4.5 percentage points. Emerging markets, as measured by the MSCI Emerging Markets Index, decreased $8.9 \%$ during the quarter.
The U.S. bond market, as measured by the Barclays Aggregate Bond Index, returned $2.1 \%$ during the second quarter. During the period, long duration government bonds gained $12.6 \%$, as measured by the Barclays 30 Year Treasury Index, amidst falling interest rates in May as investors sought safety in an uncertain economic environment.

## Commentary on Investment Performance

The Total Fund returned $-2.0 \%$ during the second quarter, outperforming the return of the Policy Portfolio by 26 basis points. The Fund's Non-U.S. Equity and Global Equity components added value over their benchmark. Partially offsetting results were the below-benchmark returns from the Real Estate component.

For the one-year ending June 30, 2012, the Total Fund advanced $1.5 \%$, outpacing the return of the Policy Porffolio by 12 basis points. Overperformance was mainly attributed to above-benchmark returns from the Real Estate, Fixed Income, Global Equity and Non-U.S. Equity.

The Total Fund's longer-term relative performance remains mixed. While the Total Fund has slightly underperformed the return of its benchmark during the trailing five-year and ten-year period, it has outperformed the benchmark during the three-year and one-year period. The Fund's annualized since inception return fell to $7.7 \%$ to match it up with the Policy Porffolio.

The attribution analysis exhibits on page 33 provide additional information regarding each sub-component's contribution to performance during the quarter and trailing one-year period.


|  | Summary of Cash Flows <br> Second Quarter | Year-To-Date | One Year |
| :--- | ---: | ---: | ---: |
| Sources of Portfolio Growth | $\$ 3,294,661,872$ | $\$ 3,069,762,197$ | $\$ 3,160,376,439$ |
| Beginning Market Value | $-\$ 31,679,355$ | $-\$ 74,257,208$ | $-\$ 16,615,101$ |
| Net Additions/Withdrawals | $-\$ 64,092,298$ | $\$ 203,385,230$ | $\$ 55,128,881$ |
| Investment Earnings | $\$ 3,198,890,219$ | $\$ 3,198,890,219$ | $\$ 3,198,890,219$ |
| Ending Market Value |  |  |  |

Benchmark: Policy Portfolio


VENTURA COUNTY EMPLOYEES' RETIREMENT ASSOCIATION

## Period Ending 6/3012012

|  | Year-to-Date | 2nd Quarter | 1 Year Ending 6/30/2012 | 3 Years Ending 6/3012012 | 5 Years Ending 6/30/2012 | 10 Years Ending 6/30/2012 | Since Inception | Inception Date |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BlackRock Extended Equity | 9.2 | -4.6 | -1.6 | 19.3 | 1.7 | - | 10.5 | 10/3102 |
| Dow Jones U.S. Completion Total Stock Market Index | 9.0 | 4.8 | -2.1 | 19.2 | 1.7 | - | 10.5 |  |
| Western U.S. Index Plus | 11.7 | -2.7 | 5.4 | 23.8 | -4.3 | - | -4.6 | 5/31/07 |
| S\&P 500 Index | 9.5 | -2.8 | 5.4 | 16.4 | 0.2 | - | -0.1 |  |
| BlackRock Equity Market Fund | 9.4 | -3.1 | 4.2 | 17.0 | - | - | 2.0 | 5/31/08 |
| Dow Jones U.S. Total Stock Market Index | 9.4 | -3.1 | 4.0 | 16.9 | - | - | 1.9 |  |
| Total U.S. Equity | 9.6 | -3.1 | 4.1 | 17.6 | -0.2 | 5.4 | 7.6 | 12/3193 |
| Peformance Benchmark** | 9.4 | -3.1 | 4.0 | 16.9 | 0.6 | 5.9 | 8.1 |  |
| BlackRock All Country World ex-U.S. | 3.1 | -7.6 | -14.6 | 7.4 | -4.2 | - | -2.5 | 3/31/07 |
| MSCI All Country World ex-U.S. IM Index | 2.9 | .7.8 | -14.8 | 7.4 | 4.3 | - | -2.6 |  |
| Sprucegrove | 4.5 | -5.4 | -9.6 | 11.0 | -3.3 | 7.4 | 7.4 | 3/31102 |
| MSCI EAFE Index | 3.0 | -7.1 | -13.8 | 6.0 | -6.1 | 5.1 | 4.8 |  |
| MSCI All Country World ex-U.S. Index | 2.8 | -7.6 | -14.6 | 7.0 | 4.6 | 6.7 | 6.3 |  |
| Hexavest | 4.0 | -4.7 | -8.9 | - | - | - | -3.8 | 12/31/10 |
| MSCI EAFE Index | 3.0 | . 7.1 | -13.8 | 6.0 | 6.1 | 5.1 | 4.8 |  |
| Walter Scott | 8.3 | -3.4 | -5.9 | - | - | . | -1.2 | 12/31/10 |
| MSCI All Country World ex-U.S. Index | 2.8 | -7.6 | -14.6 | 7.0 | 4.6 | 6.7 | 6.3 |  |
| Total International | 4.7 | -6.2 | -12.5 | 8.3 | -4.4 | 6.5 | 6.1 | 3/31/94 |
| Performance Benchmark | 2.8 | -7.6 | -14.6 | 7.0 | 4.6 | 6.7 | 4.7 |  |
| GMO Global Fund | 5.6 | -3.7 | -2.6 | 10.9 | -0.8 | - | 5.1 | 4/30105 |
| MSCI All Country Word Index | 5.7 | -5.6 | -6.5 | 10.8 | 2.7 | - | 4.0 |  |
| Acadian | 0.1 | -9.8 | -12.9 | 8.8 | - | - | -7.7 | 5/31/08 |
| MSCI All Country World Index | 5.7 | -5.6 | -6.5 | 10.8 | -2.7 | -- | 4.0 |  |
| Total Global Equity | 4.7 | -5.1 | -6.0 | 10.3 | -3.1 | .- | 3.1 | 4/30105 |
| MSCI All Country Word Index | 5.7 | -5.6 | -6.5 | 10.8 | -2.7 | - | 4.0 |  |

VENTURA COUNTY EMPLOYEES' RETIREMENT ASSOCIATION (Continued)

## Period Ending 6/30/2012

|  | Year-to-Date | 2nd Quarter | 1 Year Ending 6/30/2012 | 3 Years Ending 6/30/2012 | 5 Years Ending 6/30/2012 | 10 Years Ending 6/30/2012 | Since Inception | Inception Date |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Western | 5.0 | 2.3 | 8.6 | 11.1 | 7.2 | 6.6 | 6.9 | 12/31/96 |
| Barclays Capital Aggregate Bond Index | 2.4 | 2.1 | 7.5 | 6.9 | 6.8 | 5.6 | 6.3 |  |
| BlackRock U.S. Debt Fund | 2.4 | 2.1 | 7.5 | 7.0 | 6.9 | 5.7 | 6.2 | 11/30/95 |
| Barclays Capital Aggregate Bond Index | 2.4 | 2.1 | 7.5 | 6.9 | 6.8 | 5.6 | 6.3 |  |
| Reams | 5.5 | 2.2 | 10.7 | 11.9 | 9.8 | 7.6 | 7.0 | 9/30/01 |
| Barclays Capital Aggregate Bond Index | 2.4 | 2.1 | 7.5 | 6.9 | 6.8 | 5.6 | 6.3 |  |
| Loomis Sayles | 6.8 | 0.9 | 5.4 | 13.8 | 7.9 | - | 7.4 | 7/31/05 |
| Performance Benchmark ${ }^{* * *}$ | 9.4 | -3.1 | 4.0 | 16.9 | 0.6 | 5.9 | 8.1 |  |
| Total Fixed Income | 5.0 | 2.1 | 8.7 | 11.3 | 8.6 | 7.0 | 6.8 | 2/28/94 |
| Barclays Capital Aggregate Bond Index | 2.4 | 2.1 | 7.5 | 6.9 | 6.8 | 5.6 | 6.3 |  |
| Total Prudential Real Estate | 5.3 | 2.2 | 12.8 | 9.3 | -2.7 | - | 2.3 | 6/30/94 |
| Policy Benchmark | 5.3 | 2.7 | 12.2 | 9.7 | 2.2 | -- | 7.9 |  |
| UBS Real Estate | 4.9 | 2.1 | 10.1 | 7.8 | -0.1 | - | 6.7 | 3/31/03 |
| NCREIF Open End Fund Index | 5.3 | 2.7 | 12.2 | 9.7 | 2.2 | -- | 7.9 |  |
| Guggenheim | 7.3 | 3.3 | 12.0 | 12.7 | -5.9 | .- | -2.2 | 6/30/06 |
| NCREIF Open-End Fund Property Index ${ }^{* * * * *}$ | 5.3 | 2.7 | 12.2 | 9.7 | 2.2 | -- | 9.1 |  |
| RREEF | 12.1 | 8.5 | 19.7 | 11.4 | - | - | -18.2 | 10/31/07 |
| NCREIF Open End Fund Index | 5.3 | 2.7 | 12.2 | 9.7 | - | -- | 7.9 |  |
| Total Real Estate ${ }^{* * *}$ | 5.2 | 2.4 | 10.7 | 8.0 | -3.6 | 5.3 | 7.5 | 3/31/94 |
| Policy Benchmark | 5.3 | 2.7 | 12.2 | 9.7 | 2.2 | 8.0 | 7.9 |  |
| Total Private Equity ${ }^{* * * * * *}$ | 8.6 | 4.9 | -- | -- | - | -- | -- |  |
| Adams Street Partners | 9.7 | 4.8 | .- | .- | .- | .. | - |  |
| Pantheon | 4.3 | 6.3 | -- | -- | .- | .- | -- |  |
| Total Fund | 6.6 | -2.0 | 1.5 | 13.2 | 1.3 | 6.1 | 7.7 | 3/31/94***** |
| Policy Portfolio | 5.8 | -2.3 | 1.4 | 11.7 | 1.6 | 6.2 | 7.7 |  |
| Total Fund (ex-Private Equity) | 6.2 | -2.3 | -- | - | - | .- | -- |  |
| Total Fund (ex-Clifton) | 6.5 | -1.9 | 1.8 | 12.9 | 1.2 | 6.1 | 7.7 |  |

*All returns contained in this report are net of investment management fees.
**The Dow Jones U.S. Total Stock Market Index. Prior to May 2007, the Russell 3000 Index.
${ }^{* * *} A$ mix of $65 \%$ of the Barclays Capital Aggregate Bond Index, $30 \%$ of the Salomon Brothers High Yield Index and $5 \%$ of the J.P. Morgan Non-U.S. Hedged Bond Index.
${ }^{* * * *}$ Real Estate returns are based on market values and cash flows provided by managers.
****PPrior to January 2006, the NCREIF Property
******Total Fund inception date is the longest time period that Hewitt EnnisKnupp has reliable historical monthly data.
*******Returns for Private Equity may not be meaningful, due to their relatively short investment period.

## VENTURA COUNTY EMPLOYEES' RETIREMENT ASSOCIATION

Period Ending 6/30/2012
(\$ in Thousands)

|  | U.S. Equity | Non-U.S. Equity | Fixed Income | Real Estate | Private Equity | Cash | Total | Percent of Total | Policy |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BlackRock Extended Equity Index Western Index Plus <br> BlackRock Equity Market Fund | $\begin{gathered} \$ 28,845 \\ \$ 111,403 \\ \$ 1,055,826 \\ \hline \end{gathered}$ |  |  |  |  |  | $\begin{gathered} \$ 28,845 \\ \$ 111,403 \\ \$ 1,055,826 \\ \hline \end{gathered}$ | $\begin{aligned} & \hline 0.9 \% \\ & 3.5 \% \\ & 33.0 \% \end{aligned}$ |  |
| Total U.S. Equity | \$1,196,073 |  |  |  |  |  | \$1,196,073 | 37.4\% | 36.0\% |
| BlackRock ACWI ex-U.S. Index <br> Sprucegrove <br> Hexavest <br> Walter Scott |  | $\begin{gathered} \hline \hline \$ 265,166 \\ \$ 140,628 \\ \$ 51,098 \\ \$ 74,293 \\ \hline \end{gathered}$ |  |  |  |  | $\begin{aligned} & \hline \hline \$ 265,166 \\ & \$ 140,628 \\ & \$ 51,098 \\ & \$ 74,293 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \hline 8.3 \% \\ & 4.4 \% \\ & 1.6 \% \\ & 2.3 \% \end{aligned}$ |  |
| Total Non-U.S. Equity |  | \$531,185 |  |  |  |  | \$531,185 | 16.6\% | 19.0\% |
| GMO Global Equity <br> Acadian <br> BlackRock MSCI ACWI Equity Index | $\begin{gathered} \hline \hline \$ 68,632 \\ \$ 6 \\ \$ 58,768 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \hline \$ 80,893 \\ \$ 5 \\ \$ 58,768 \end{gathered}$ | $\begin{aligned} & \hline \hline \$ 0 \\ & \$ 0 \\ & \$ 0 \end{aligned}$ |  |  |  | $\begin{gathered} \hline \hline \$ 149,524 \\ \$ 10 \\ \$ 117,535 \end{gathered}$ | $\begin{aligned} & \hline \hline 4.7 \% \\ & 0.0 \% \\ & 3.7 \% \end{aligned}$ |  |
| Total Global Equity | \$127,405 | \$139,665 | \$0 |  |  |  | \$267,070 | 8.3\% | 10.0\% |
| Western <br> BlackRock U.S. Debt Fund <br> Reams <br> Loomis Sayles Global <br> Loomis Sayles Mid Grade |  |  | $\begin{aligned} & \hline \hline \$ 247,956 \\ & \$ 131,199 \\ & \$ 327,201 \\ & \$ 65,400 \\ & \$ 118,151 \end{aligned}$ |  |  |  | $\begin{aligned} & \hline \hline \$ 247,956 \\ & \$ 131,199 \\ & \$ 327,201 \\ & \$ 65,400 \\ & \$ 118,151 \end{aligned}$ | $\begin{aligned} & \hline \hline 7.8 \% \\ & 4.1 \% \\ & 10.2 \% \\ & 2.0 \% \\ & 3.7 \% \\ & \hline \end{aligned}$ |  |
| Total Fixed Income |  |  | \$889,907 |  |  |  | \$889,907 | 27.8\% | 27.0\% |
| Prudential Real Estate UBS Real Estate Guggenheim RREEF |  |  |  | $\$ 80,018$ $\$ 171,826$ $\$ 21,787$ $\$ 9,582$ |  |  | $\begin{gathered} \hline \hline \$ 80,018 \\ \$ 171,826 \\ \$ 21,787 \\ \$ 9,582 \\ \hline \end{gathered}$ | $\begin{aligned} & \hline \hline 2.5 \% \\ & 5.4 \% \\ & 0.7 \% \\ & 0.3 \% \end{aligned}$ |  |
| Total Real Estate |  |  |  | \$283,213 |  |  | \$283,213 | 8.9\% | 8.0\% |
| Adams Street Partners Pantheon Ventures |  |  |  |  | $\begin{gathered} \hline \hline \$ 21,594 \\ \$ 5,283 \end{gathered}$ |  | $\begin{gathered} \hline \hline \$ 21,594 \\ \$ 5,283 \end{gathered}$ | $\begin{aligned} & \hline \hline 0.7 \% \\ & 0.2 \% \end{aligned}$ |  |
| Total Private Equity |  |  |  |  | \$26,877 |  | \$26,877 | 0.8\% | 0.0\% |
| Clifton Group |  |  |  |  |  | \$4,564 | \$4,564 | 0.1\% |  |
| Total Cash |  |  |  |  |  | \$4,564 | \$4,564 | 0.1\% | 0.0\% |
| Total Assets Percent of Total | $\begin{gathered} \hline \hline \$ 1,323,478 \\ 41.4 \% \end{gathered}$ | $\begin{gathered} \$ 670,850 \\ 21.0 \% \end{gathered}$ | $\begin{gathered} \$ 889,907 \\ 27.8 \% \end{gathered}$ | $\begin{gathered} \$ 283,213 \\ 8.9 \% \end{gathered}$ | $\begin{gathered} \$ 26,877 \\ 0.8 \% \end{gathered}$ | $\begin{gathered} \hline \$ 4,564 \\ 0.1 \% \end{gathered}$ | $\begin{gathered} \hline \hline \$ 3,198,890 \\ 100.0 \% \end{gathered}$ | 100.0\% | 100.0\% |

[^1]ventura county euployees' Retirewent association

## Calander Year Performance

|  | 2011 | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2002 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BlackRock Extended Equity | -3.4 | 29.0 | 35.0 | -38.4 | 5.4 | 15.2 | 10.5 | 18.1 | 43.2 | - |
| Dow Jones U.S. Completion Total Stock Market Index | -3.8 | 28.6 | 37.4 | -39.0 | 5.4 | 15.3 | 10.0 | 18.0 | 44.0 | - |
| Western U.S. Index Plus | 0.8 | 24.6 | 42.0 | -56.3 | - | - | - | - | - | - |
| S\&P 500 Index | 2.1 | 15.1 | 26.5 | -37.0 | - | - | - | - | - | - |
| BlackRock Equity Market Fund | 1.2 | 17.6 | 28.2 | - | - | - | - | - | - | - |
| Dow Jones U.S. Total Stock Market Index | 1.1 | 17.5 | 28.6 | - | - | - | - | - | - | - |
| Total U.S. Equity | 0.9 | 18.5 | 29.2 | -40.0 | 4.3 | 15.3 | 5.2 | 11.8 | 32.0 | -21.8 |
| Perfomance Benchmark" | 1.1 | 17.5 | 28.6 | -37.2 | 5.5 | 15.7 | 6.1 | 11.9 | 31.1 | -21.5 |
| BlackRock All Country World ex-U.U. | . 14.1 | 12.8 | 43.1 | -45.6 | - | . | - | . | - | - |
| MSCI All C Country World ex-U.S. IM Index | -14.3 | 12.7 | 43.6 | -45.9 | - | - | - | - | - | - |
| Sprucegrove | -10.8 | 18.7 | 36.1 | -42.5 | 5.8 | 29.9 | 14.3 | 24.6 | 33.8 | - |
| MSCI EAFE Index | -12.1 | 7.8 | 31.8 | -43.4 | 11.2 | 26.3 | 13.5 | 20.2 | 38.6 | - |
| MSCI Alll Countr World ex-U.S. Index | -13.7 | 11.2 | 41.4 | -45.5 | 16.7 | 26.7 | 16.6 | 20.9 | 40.8 | - |
| Hexavest | -9.2 | - | - | - | - | . | - | - | - | - |
| MSCI EAFE Index | -12.1 | - | - | - | - | - | - | - | - | - |
| Walter Scott | -9.3 | - | - | - | $\cdots$ | * | - | - | - | - |
| MSCI IAll Country World ex-U.S. Index | -13.7 | - | - | - | - | - | - | - | - | - |
| Total International | -13.6 | 13.5 | 37.4 | -44.1 | 11.7 | 25.2 | 19.3 | 18.8 | 36.0 | -12.4 |
| Performance Benchmark | -13.7 | 11.2 | 41.4 | -45.5 | 16.7 | 26.7 | 16.6 | 20.9 | 40.8 | -15.8 |
| GMO Global Fund | -2.0 | 10.2 | 24.3 | . 32.8 | 10.0 | 19.7 | - | - | - | - |
| MSCI All Country World Index | -7.3 | 12.7 | 34.6 | -42.2 | 11.7 | 21.0 | - | - | - | - |
| Acadian | -6.0 | 13.0 | 11.5 | - | - | - | - | - | - | - |
| MSCI All Country World Index | -7.3 | 12.7 | 34.6 | - | - | - | - | - | - | - |
| Total Global Equity | -3.9 | 11.4 | 17.8 | . 37.3 | 11.3 | 19.5 | - | - | - | - |
| MSCI EAFE Index | -7.3 | 12.7 | 34.6 | -42.2 | 11.7 | 21.0 | - | - | - | - |

Note: Returns are net of fees.

VENTURA COUNTY EMPLOYEES' RETIREMENT ASSOCIATION (Continued)
Calander Year Performance

|  | 2011 | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2002 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Western | 7.3 | 11.3 | 18.2 | -8.9 | 4.8 | 5.1 | 3.2 | 6.4 | 9.1 | 9.5 |
| Barclays Capital Aggregate Bond Index | 7.8 | 6.5 | 5.9 | 5.2 | 7.0 | 4.3 | 2.4 | 4.3 | 4.1 | 10.3 |
| BlackRock U.S. Debt Fund | 7.9 | 6.7 | 6.0 | 5.4 | 7.0 | 4.3 | 2.4 | 4.3 | 4.2 | 10.3 |
| Barclays Capital Aggregate Bond Index | 7.8 | 6.5 | 5.9 | 5.2 | 7.0 | 4.3 | 2.4 | 4.3 | 4.1 | 10.3 |
| Reams | 8.3 | 10.1 | 35.9 | -12.1 | 7.4 | 5.0 | 3.9 | 5.0 | 8.7 | 4.1 |
| Barclays Capital Aggregate Bond Index | 7.8 | 6.5 | 5.9 | 5.2 | 7.0 | 4.3 | 2.4 | 4.3 | 4.1 | 10.3 |
| Loomis Sayles | 4.2 | 13.5 | 38.1 | -19.9 | 6.7 | 9.0 | - | - | - | - |
| Performance Benchmark"* | 7.1 | 8.7 | 18.8 | -4.6 | 5.1 | 6.8 | - | - | - | -- |
| Total Fixed Income | 7.3 | 10.6 | 25.6 | -8.7 | 6.3 | 5.3 | 3.2 | 5.2 | 7.1 | 7.9 |
| Barclays Capital Aggregate Bond Index | 7.8 | 6.5 | 5.9 | 5.2 | 7.0 | 4.3 | 2.4 | 4.3 | 4.1 | 10.3 |
| K2 Advisors | -12.3 | - | - | - | - | - | - | - | - | - |
| LIBOR | 3.3 | - | - | -- | - | -- | - | - | - | - |
| Total Alternatives | -12.3 | - | - | - | - | - | - | - | - | - |
| LIBOR | 3.3 | - | - | -- | - | -- | - | - | - | - |
| Total Prudential Real Estate | 18.2 | 17.5 | -34.8 | -13.7 | 16.6 | 15.8 | 27.8 | - | - | - |
| Policy Benchmark | 15.0 | 14.7 | -18.8 | -7.3 | 15.2 | 15.3 | 20.1 | - | - | .- |
| UBS Real Estate | 12.2 | 15.8 | -23.2 | -8.4 | 12.7 | 15.6 | 20.1 | 13.5 | - | - |
| NCREIF Open End Fund Index | 15.0 | 14.7 | -18.8 | -7.3 | 15.2 | 15.3 | 19.0 | 13.6 | - | -- |
| Guggenheim | 17.0 | 15.1 | -27.0 | -29.0 | 3.8 | - | - | - | - | - |
| Performance Benchmark | 13.0 | 17.8 | -3.2 | -15.2 | 5.8 | -- | - | - | - | .- |
| RREEF | 53.7 | 8.4 | -64.5 | -41.8 | - | - | - | - | - | - |
| NCREIF Open End Fund Index | 15.0 | 14.7 | -18.8 | -7.3 | - | -- | - | - | - | - |
| Total Real Estate ${ }^{\text {c..* }}$ | 14.4 | 15.4 | -31.2 | -16.0 | 12.8 | 15.7 | 26.6 | 7.5 | 12.1 | 9.4 |
| NCREIF Open-End Fund Property Index**** | 15.0 | 14.7 | -18.8 | -7.3 | 15.2 | 15.3 | 20.1 | 14.5 | 9.0 | 6.7 |
| Adams Street Partners | - | - | - | - | $\cdots$ | - | - | - | - | - |
| Pantheon | - | - | - | - | - | - | - | - | - | - |
| Total Private Equity ${ }^{\text {. }}$. ${ }^{\text {a }}$. | - | .. | - | .. | - | - | - | . | - | -- |
| Total Fund | 0.3 | 15.1 | 24.2 | -30.9 | 7.0 | 14.2 | 7.8 | 10.9 | 24.4 | -10.6 |
| Policy Portfolio | 0.6 | 13.3 | 20.8 | -27.1 | 8.5 | 14.0 | 7.6 | 11.3 | 22.9 | -10.1 |
| Total Fund (ex-Private Equity) | -- | - | - | - | - | -- | - | - | - | - |
| Total Fund (ex-Clifton) | 0.6 | 14.5 | 23.3 | -30.3 | 6.9 | 14.0 | 7.9 | 10.8 | 24.4 | -10.4 |

Note: Returns are net of fees.

## Manager "Watch" List

## Manager "Watch" Status Policy

A manager may be placed on "Watch" status for:

- Failure to meet one or more of the standards, objectives, goals, or risk controls as set forth in this policy statement
- Violation of ethical, legal, or regulatory standards
- Material adverse change in the ownership of the firm or personnel changes
- Failure to meet reporting or disclosure requirements
- Failure to meet performance objectives or goals
- Any actual or potentially adverse information, trends, or developments that the Board feels might impair the investment manager's ability to deliver successful outcomes for the participants of the plan

The Board may take action to place a manager on Watch status. Managers placed on Watch status shall be notified in writing, and be made aware of the reason for the action and the required remediation. Watch status is an optional interim step that may be used to formally communicate dissatisfaction to the investment manager and the potential for termination. Watch status is not a required step in terminating a manager. Watch status will normally be for a period of six months, but the time frame may be determined by action of the Board. The Board retains the right to terminate the manager at any time, extend the period of the Watch status, or remove the manager from Watch status at any time.

Watch status indicates that the manager shall be subject to increased focus on the remediation of the factors that caused the manager to be placed on Watch status. Discussion of the manager on Watch status shall become a regular monthly reporting agenda item for the Board. Staff or retained Consultant shall prepare a written monthly report addressing the progress of the manager in the remediation of the dissatisfaction.

## "Watch" status:

- RREEF is currently on watch for performance reasons.

| Manager | Date Added | Reason | Follow-up Date |
| :--- | :---: | :---: | :---: |
| RREEF | February 2009 | Performance | July 2012 |

## Universe Comparison




## Annualized Return vs. Annualized Standard Deviation <br> 3 Years Ending June 30, 2012



- Total Fund
- Total Fund
- Risk Free
- 68\% Confidence Interval
- Public Funds Net

Annualized Return vs. Annualized Standard Deviation
5 Years Ending June 30, 2012


- Total Fund
- Policy Portfolio
- Risk Free
- 68\% Confidence Interval
- Public Funds Net


## Attribution

## TOTAL FUND ATTRIBUTION ANALYSIS <br> 3 MONTHS ENDING 6/30/12



TOTAL FUND ATTRIBUTION ANALYSIS
6 MONTHS ENDING 6/30/12


Note: The Cash Flow Effect exhibited in this quarter's and over the one year attribution charts represents the effect the Clifton Group had on the Total Fund.


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Total U.S. Equity

Benchmark: Performance Benchmark*

Current Allocation

U.S. Effective Style Map

3 Years Ending June 30, 2012

| Large Value | Western U.S. Index Plus <br> Dow Jones U.S. Tota Total U.S |  |
| :---: | :---: | :---: |
| BlackRock Extended Equity Index Fund |  |  |
| Small <br> Value |  | Small <br> Growth |

Return Summary


Quarterly and Cumulative Excess Performance



|  | Return | ank) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 5th Percentile | -0.2 |  | 13.5 |  | 9.1 |  | 23.6 |  | 5.7 |  | 11.1 |  | 8.4 |  | 34.5 |  | 56.9 |  |
| 25th Percentile | -3.0 |  | 9.8 |  | 3.5 |  | 18.8 |  | 2.6 |  | 8.3 |  | 2.1 |  | 25.9 |  | 37.8 |  |
| Median | -4.6 |  | 7.8 |  | -0.4 |  | 16.5 |  | 0.8 |  | 6.8 |  | -1.1 |  | 19.1 |  | 30.0 |  |
| 75th Percentile | -6.1 |  | 5.8 |  | -4.4 |  | 14.3 |  | -1.0 |  | 5.5 |  | -4.8 |  | 14.1 |  | 23.1 |  |
| 95th Percentile | -8.9 |  | 2.5 |  | -11.3 |  | 11.1 |  | -4.2 |  | 4.0 |  | -11.0 |  | 8.9 |  | 13.4 |  |
| \# of Portfolios | 1,117 |  | 1,116 |  | 1,106 |  | 1,032 |  | 911 |  | 629 |  | 1,081 |  | 1,035 |  | 1,153 |  |
| - Total U.S. Equity | -3.1 | (27) | 9.6 | (27) | 4.1 | (22) | 17.6 | (37) | -0.2 | (65) | 5.4 | (78) | 0.9 | (35) | 18.5 | (53) | 29.2 | (53) |
| - Performance Benchmark* | -3.1 | (27) | 9.4 | (29) | 4.0 | (23) | 16.9 | (45) | 0.6 | (53) | 5.9 | (68) | 1.1 | (33) | 17.5 | (58) | 28.6 | (55) |

## Annualized Return vs. Annualized Standard Deviation <br> 3 Years Ending June 30, 2012



- Total U.S. Equity
- Performance Benchmark*
- Risk Free
- 68\% Confidence Interval
- eA All US Equity Net

Annualized Return vs. Annualized Standard Deviation
5 Years Ending June 30, 2012


- Total U.S. Equity
- Performance Benchmark*
- Risk Free
- 68\% Confidence Interval
- eA All US Equity Net


## MANAGER ATTRIBUTION ANALYSIS

3 MONTHS ENDING 6/30/12


MANAGER ATTRIBUTION ANALYSIS
6 MONTHS ENDING 6/30/12

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## Manager Performance

Benchmark: Dow Jones U.S. Completion Total Stock Market Index
The BlackRock Extended Market Index Fund provides investment in the U.S. equity market excluding those stocks represented in the S\&P 500 Index. The Fund is passively managed using a "fund optimization" technique. The Fund typically invests all, or substantially all, assets in the 1,300 largest stocks in the Index and in a representative sample of the remainder. Stocks are selected based on appropriate industry weightings, market capitalizations, and certain fundamental characteristics (e.g. price/earnings ratio and dividend yield) that closely align the Fund's characteristics with those of its benchmark.

The Fund does not hold publicly traded partnerships (PTPs) because of their potential to distribute unrelated business taxable income. However, the DJ U.S. Completion Total Stock Market Index includes PTPs which result in the Fund experiencing tracking discrepancies. While there will likely be tracking discrepancies on a quarter-to-quarter basis, we expect the difference to be minimal over longer time periods.

|  | Account Information |
| :--- | ---: | ---: |
| Account Name | BlackRock Extended Equity Index Fund |
| Account Structure | Commingled Fund |
| Investment Style | Passive |
| Inception Date | 10/31/02 |
| Account Type | US Stock |
| Benchmark | Dow Jones U.S. Completion Total Stock Market Index |
| Universe | eA US Small-Mid Cap Equity Net |



[^2]

## Universe Comparison

Benchmark: Dow Jones U.S. Completion Total Stock Market Index
Universe: eA US Small-Mid Cap Equity Net

Ending June 30, 2012


| Return (Rank) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 5th Percentile | -1.6 |  | 11.6 |  | 4.4 |  | 22.7 |  | 6.3 |  | 8.3 |  | 38.0 |  | 64.3 |  |
| 25th Percentile | -4.1 |  | 8.5 |  | -1.0 |  | 19.8 |  | 2.9 |  | 2.1 |  | 29.3 |  | 42.5 |  |
| Median | -5.2 |  | 6.3 |  | -4.1 |  | 17.8 |  | 1.3 |  | -1.7 |  | 25.8 |  | 34.1 |  |
| 75th Percentile | -7.1 |  | 4.6 |  | -7.0 |  | 16.1 |  | -0.4 |  | -4.9 |  | 23.0 |  | 27.4 |  |
| 95th Percentile | -9.0 |  | 2.1 |  | -11.9 |  | 13.2 |  | -3.0 |  | -10.1 |  | 18.5 |  | 16.5 |  |
| \# of Portfolios | 105 |  | 105 |  | 104 |  | 95 |  | 83 |  | 93 |  | 89 |  | 97 |  |
| - BlackRock Extended Equity Index Fund | -4.6 | (38) | 9.2 | (16) | -1.6 | (32) | 19.3 | (29) | 1.7 | (44) | -3.4 | (66) | 29.0 | (28) | 35.0 | (46) |
| - Dow Jones U.S. Completion Total Stock Mark | -4.8 | (42) | 9.0 | (18) | -2.1 | (34) | 19.2 | (30) | 1.7 | (44) | -3.8 | (67) | 28.6 | (34) | 37.4 | (38) |



- BlackRock Extended Equity Index Fund
- Dow Jones U.S. Completion Total Stock Market Index
- Risk Free
- 68\% Confidence Interval
- eA US Small-Mid Cap Equity Net

Annualized Return vs. Annualized Standard Deviation
5 Years Ending June 30, 2012


- BlackRock Extended Equity Index Fund
- Dow Jones U.S. Completion Total Stock Market Index
- Risk Free
- 68\% Confidence Interval
- eA US Small-Mid Cap Equity Net


## Manager Performance

## Benchmark: S\&P 500 Index

Western employs a value-oriented investment approach that has proven successful in adding excess returns across various market cycles. This versatility comes from the manager's multiple sources of value-added and focus on finding long-term fundamental value. Western seeks to achieve balance between multiple sources of value added duration management, yield curve positioning, sector allocation, and security selection - while diversifying risk. Western has one of the deepest teams of investmentrisk professionals in the industry. The manager also has dedicated significant resources to analytics and risk management. We would highlight that active sector rotation and porffolio construction are key strengths of Western.

|  | Account Information |
| :--- | ---: |
| Account Name | Western U.S. Index Plus |
| Account Structure | Separate Account |
| Investment Style | Passive |
| Inception Date | $5 / 31107$ |
| Account Type | US Stock |
| Benchmark | S\&P 500 Index |
| Universe | eA All US Equity Net |



Tracking Error


Ending June 30, 2012


| Return (Rank) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 5th Percentile | -0.2 |  | 13.5 |  | 9.1 |  | 23.6 |  | 8.4 |  | 34.5 |  | 56.9 |  |
| 25th Percentile | -3.0 |  | 9.8 |  | 3.5 |  | 18.8 |  | 2.1 |  | 25.9 |  | 37.8 |  |
| Median | -4.6 |  | 7.8 |  | -0.4 |  | 16.5 |  | -1.1 |  | 19.1 |  | 30.0 |  |
| 75th Percentile | -6.1 |  | 5.8 |  | -4.4 |  | 14.3 |  | -4.8 |  | 14.1 |  | 23.1 |  |
| 95th Percentile | -8.9 |  | 2.5 |  | -11.3 |  | 11.1 |  | -11.0 |  | 8.9 |  | 13.4 |  |
| \# of Portfolios | 1,117 |  | 1,116 |  | 1,106 |  | 1,032 |  | 1,081 |  | 1,035 |  | 1,153 |  |
| - Western U.S. Index Plus | -2.7 | (21) | 11.7 | (11) | 5.4 | (16) | 23.8 | (5) | 0.8 | (36) | 24.6 | (30) | 42.0 | (17) |
| - S\&P 500 Index | -2.8 | (22) | 9.5 | (28) | 5.4 | (15) | 16.4 | (53) | 2.1 | (25) | 15.1 | (69) | 26.5 | (64) |



- Western U.S. Index Plus
- S\&P 500 Index
- Risk Free

68\% Confidence Interva

- eA All US Equity Net


## Manager Performance

Benchmark: Dow Jones U.S. Total Stock Market Index
The objective of the BlackRock U.S. Equity Market Fund is to approximate the return of the Dow Jones U.S. Total Stock Market Index. The Dow Jones U.S. Total Stock Market Index contains essentially all publicly traded stocks in the U.S. Accordingly, it is the broadest available measure of the domestic stock market.

|  | Account |  |
| :--- | ---: | ---: |
| Information |  |  |
| Account Name | BlackRock Equity Market Fund |  |
| Account Structure | Commingled Fund |  |
| Investment Style | Passive |  |
| Inception Date | $5 / 31 / 08$ |  |
| Account Type | US Stock |  |
| Benchmark | Dow Jones U.S. Total Stock Market Index |  |
| Universe | eA All US Equity Net |  |



## Tracking Error




| Return (Rank) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 5th Percentile | -0.2 |  | 13.5 |  | 9.1 |  | 23.6 |  | 8.4 |  | 34.5 |  | 56.9 |  |
| 25th Percentile | -3.0 |  | 9.8 |  | 3.5 |  | 18.8 |  | 2.1 |  | 25.9 |  | 37.8 |  |
| Median | -4.6 |  | 7.8 |  | -0.4 |  | 16.5 |  | -1.1 |  | 19.1 |  | 30.0 |  |
| 75th Percentile | -6.1 |  | 5.8 |  | -4.4 |  | 14.3 |  | -4.8 |  | 14.1 |  | 23.1 |  |
| 95th Percentile | -8.9 |  | 2.5 |  | -11.3 |  | 11.1 |  | -11.0 |  | 8.9 |  | 13.4 |  |
| \# of Portfolios | 1,117 |  | 1,116 |  | 1,106 |  | 1,032 |  | 1,081 |  | 1,035 |  | 1,153 |  |
| - BlackRock Equity Market Fund | -3.1 | (27) | 9.4 | (29) | 4.2 | (22) | 17.0 | (44) | 1.2 | (32) | 17.6 | (57) | 28.2 | (57) |
| - Dow Jones U.S. Total Stock Market Index | -3.1 | (27) | 9.4 | (29) | 4.0 | (23) | 16.9 | (45) | 1.1 | (33) | 17.5 | (58) | 28.6 | (55) |

Total Non-U.S. Equity


## Universe Comparison



|  | Return (Rank) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 5th Percentile | -3.4 | 8.4 |  | -6.9 |  | 13.0 |  | -1.3 |  | 11.4 |  | -6.9 |  | 25.6 |  | 57.9 |  |
| 25th Percentile | -5.8 | 5.8 |  | -10.1 |  | 10.1 |  | -3.3 |  | 7.9 |  | -9.7 |  | 15.7 |  | 45.4 |  |
| Median | -7.0 | 4.4 |  | -13.2 |  | 7.6 |  | -5.0 |  | 6.2 |  | -12.6 |  | 12.2 |  | 35.6 |  |
| 75th Percentile | -8.2 | 2.8 |  | -15.3 |  | 5.9 |  | -6.4 |  | 5.3 |  | -15.4 |  | 9.1 |  | 29.0 |  |
| 95th Percentile | -10.2 | -0.6 |  | -19.9 |  | 1.7 |  | -8.7 |  | 3.8 |  | -19.4 |  | 5.3 |  | 22.8 |  |
| \# of Portfolios | 134 | 134 |  | 131 |  | 118 |  | 105 |  | 76 |  | 129 |  | 143 |  | 173 |  |
| - Total Non-U.S. Equity | -6.2 (30) | 4.7 | (43) | -12.5 | (41) | 8.3 | (43) | -4.4 | (41) | 6.5 | (47) | -13.6 | (59) | 13.5 | (38) | 37.4 | (45) |
| - Performance Benchmark* | -7.6 (63) | 2.8 | (76) | -14.6 | (71) | 7.0 | (61) | -4.6 | (46) | 6.7 | (44) | -13.7 | (60) | 11.2 | (54) | 41.4 | (35) |



MANAGER ATTRIBUTION ANALYSIS
3 MONTHS ENDING 6/30/12


MANAGER ATTRIBUTION ANALYSIS
6 MONTHS ENDING 6/30/12

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## Manager Performance

Benchmark: Performance Benchmark
The BlackRock ACWI ex-U.S. Index Fund is designed to track the performance and risk characteristics of the MSCI All Country World ex-U.S. IM Index.

| Account Information |  |
| :---: | :---: |
| Account Name | BlackRock ACWI ex-U.S. Index |
| Account Structure | Commingled Fund |
| Investment Style | Passive |
| Inception Date | 3/31/07 |
| Account Type | Non-U.S. Stock - All |
| Benchmark | Performance Benchmark |
| Universe | eA All EAFE Equity Net |



Tracking Error



| Return (Rank) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 5th Percentile | -3.4 |  | 8.4 |  | -6.9 |  | 13.0 |  | -6.9 |  | 25.6 |  | 57.9 |  |
| 25th Percentile | -5.8 |  | 5.8 |  | -10.1 |  | 10.1 |  | -9.7 |  | 15.7 |  | 45.4 |  |
| Median | -7.0 |  | 4.4 |  | -13.2 |  | 7.6 |  | -12.6 |  | 12.2 |  | 35.6 |  |
| 75th Percentile | -8.2 |  | 2.8 |  | -15.3 |  | 5.9 |  | -15.4 |  | 9.1 |  | 29.0 |  |
| 95th Percentile | -10.2 |  | -0.6 |  | -19.9 |  | 1.7 |  | -19.4 |  | 5.3 |  | 22.8 |  |
| \# of Portfolios | 134 |  | 134 |  | 131 |  | 118 |  | 129 |  | 143 |  | 173 |  |
| - BlackRock ACWI ex-U.S. Index | -7.6 | (63) | 3.1 | (68) | -14.6 | (71) | 7.4 | (53) | -14.1 | (65) | 12.8 | (45) | 43.1 | (31) |
| ^ Performance Benchmark | -7.8 | (66) | 2.9 | (71) | -14.8 | (72) | 7.4 | (54) | -14.3 | (66) | 12.7 | (45) | 43.6 | (29) |



- BlackRock ACWI ex-U.S. Index
- Performance Benchmark
- Risk Free
- 68\% Confidence Interval
- eA All EAFE Equity Net


## Manager Performance

## Benchmark: MSCI EAFE Index

Sprucegrove is a value manager, following a bottom-up approach, and seeking to invest in quality companies selling at attractive valuations. As a value manager, Sprucegrove believes that the international markets are inefficient and by maintaining a long term perspective, they can capitalize on mispricings in the market. Investment objectives are: to maximize the long-term rate of return while preserving the investment capital of the fund by avoiding investment strategies that expose fund assets to excessive risk; to outperform the benchmark over a full market cycle; and to achieve a high ranking relative to similar funds over a market cycle.

High emphasis is given to balance sheet fundamentals, historical operating results, and company management. If a company is truly promising, the portfolio management team instructs the analyst to do a full research report to ensure the company qualifies for inclusion in Sprucegrove's investable universe. There are approximately 300 companies on Sprucegrove's working list.

|  | Account Information |  |
| :--- | ---: | ---: |
| Account Name | Sprucegrove |  |
| Account Structure | Commingled Fund |  |
| Investment Style | Active |  |
| Inception Date | 3/31/02 |  |
| Account Type | Non-U.S. Stock - All |  |
| Benchmark | MSCI EAFE Index |  |
| Universe | eA All EAFE Equity Net |  |



Quarterly and Cumulative Excess Performance


## Universe Comparison

Ending June 30, 2012


| Return (Rank) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 5th Percentile | -3.4 |  | 8.4 |  | -6.9 |  | 13.0 |  | -1.3 |  | -6.9 |  | 25.6 |  | 57.9 |  |
| 25th Percentile | -5.8 |  | 5.8 |  | -10.1 |  | 10.1 |  | -3.3 |  | -9.7 |  | 15.7 |  | 45.4 |  |
| Median | -7.0 |  | 4.4 |  | -13.2 |  | 7.6 |  | -5.0 |  | -12.6 |  | 12.2 |  | 35.6 |  |
| 75th Percentile | -8.2 |  | 2.8 |  | -15.3 |  | 5.9 |  | -6.4 |  | -15.4 |  | 9.1 |  | 29.0 |  |
| 95th Percentile | -10.2 |  | -0.6 |  | -19.9 |  | 1.7 |  | -8.7 |  | -19.4 |  | 5.3 |  | 22.8 |  |
| \# of Portfolios | 134 |  | 134 |  | 131 |  | 118 |  | 105 |  | 129 |  | 143 |  | 173 |  |
| - Sprucegrove | -5.4 | (18) | 4.5 | (48) | -9.6 | (21) | 11.0 | (20) | -3.3 | (25) | -10.8 | (31) | 18.7 | (15) | 36.1 | (48) |
| MSCI EAFE Index | -7.1 | (53) | 3.0 | (71) | -13.8 | (64) | 6.0 | (75) | -6.1 | (69) | -12.1 | (45) | 7.8 | (83) | 31.8 | (65) |



## Manager Performance

Benchmark: MSCI EAFE Index
The manager's investment process was established in the early 1990 s and at the time was almost entirely macro-focused. The model was enhanced in 1999 to include a bottom-up component, expected to contribute $20 \%$ to the overall decision making, so that portfolio managers can fine tune the active positions to further express their market views.

Hexavest attempts to identify inconsistencies at a macro level by analyzing the following three factor groups: economic environment (e.g., growth and interest rates), valuation of the individual markets, and sentiment (e.g., momentum and risk).

|  | Account Information |  |
| :--- | ---: | ---: |
| Account Name | Hexavest |  |
| Account Structure | Commingled Fund |  |
| Investment Style | Active |  |
| Inception Date | 12/31/10 |  |
| Account Type | Non-U.S. Stock - All |  |
| Benchmark | MSCI EAFE Index |  |
| Universe | eA All EAFE Equity Net |  |



Quarterly and Cumulative Excess Performance



|  | Return (Rank) |  |  | -6.9 |  |
| :--- | :--- | :--- | :--- | ---: | :--- |
| 5th Percentile | -3.4 | 8.4 |  | -10.1 |  |
| 25th Percentile | -5.8 | 5.8 | -13.2 |  |  |
| Median | -7.0 | 4.4 | -15.3 |  |  |
| 75th Percentile | -8.2 | 2.8 | -19.9 |  |  |
| 95th Percentile | -10.2 | -0.6 |  | 131 |  |
| \# of Portfolios | 134 |  | 134 |  | -8.9 |
| Hexavest | -4.7 | $(9)$ | 4.0 | $(57)$ | $(19)$ |
| MSCI EAFE Index | -7.1 | $(53)$ | 3.0 | $(71)$ | -13.8 |

## Manager Performance

## Benchmark: MSCI All Country World ex-U.S. Index

Walter Scott \& Partners employs a bottom-up fundamental growth investment style. Security selection focuses on companies with $20 \%$ or more internal growth which will be sustainable over time. The manager identifies major political and economic trends that may impact industry or sector growth. At the company level, the manager utilizes fundamental analysis such as returns on invested capital, soundness of management, strength of balance sheet, and management track record. By gaining an understanding as to how the financial figures of the past were generated, the analysts will be able to better understand how future earnings will be generated.

|  | Account |  |
| :--- | ---: | ---: |
| Account Name | Walter Scott |  |
| Account Structure | Commingled Fund |  |
| Investment Style | Active |  |
| Inception Date | 12/31/10 |  |
| Account Type |  | Non-U.S. Stock - All |
| Benchmark | MSCI All Country World ex-U.S. Index |  |
| Universe | eA All EAFE Equity Net |  |

Quarterly and Cumulative Excess Performance



|  | Return (Rank) |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: |
| 5th Percentile | -3.4 | 8.4 |  | -6.9 |  |
| 25th Percentile | -5.8 | 5.8 | -10.1 |  |  |
| Median | -7.0 | 4.4 | -13.2 |  |  |
| 75th Percentile | -8.2 |  | -15.3 |  |  |
| 95th Percentile | -10.2 |  | -0.8 |  | -19.9 |
| \# of Portfolios | 134 |  | 134 |  | 131 |
| Walter Scott | -3.4 | $(6)$ | 8.3 | $(6)$ | -5.9 |

Total Global Equity

Benchmark: MSCI All Country World Index


## Overview

## Universe Comparison

Ending June 30, 2012


| Return (Rank) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 5th Percentile | 1.2 |  | 14.0 |  | 4.3 |  | 19.5 |  | 3.6 |  | 4.1 |  | 27.2 |  | 52.6 |  |
| 25th Percentile | -4.3 |  | 7.5 |  | -2.6 |  | 13.4 |  | 0.1 |  | -2.9 |  | 18.3 |  | 39.5 |  |
| Median | -5.7 |  | 5.9 |  | -5.7 |  | 11.3 |  | -2.0 |  | -6.3 |  | 13.6 |  | 32.4 |  |
| 75th Percentile | -7.4 |  | 4.6 |  | -9.5 |  | 9.5 |  | -4.0 |  | -10.4 |  | 11.3 |  | 26.7 |  |
| 95th Percentile | -11.2 |  | -4.6 |  | -20.8 |  | 6.2 |  | -6.6 |  | -17.4 |  | 6.6 |  | 18.7 |  |
| \# of Portfolios | 219 |  | 219 |  | 214 |  | 188 |  | 144 |  | 186 |  | 140 |  | 103 |  |
| - Total Global Equity | -5.1 | (38) | 4.7 | (74) | -6.0 | (52) | 10.3 | (67) | -3.1 | (63) | -3.9 | (35) | 11.4 | (75) | 17.8 | (96) |
| MSCI All Country World Index | -5.6 | (47) | 5.7 | (54) | -6.5 | (55) | 10.8 | (59) | -2.7 | (59) | -7.3 | (56) | 12.7 | (56) | 34.6 | (46) |




- Total Global Equity
- MSCI All Country World Index
- Risk Free
- 68\% Confidence Interval
- eA All Global Equity Net


## Annualized Return vs. Annualized Standard Deviation

5 Years Ending June 30, 2012


- Total Global Equity
- MSCI All Country World Index
- Risk Free
- 68\% Confidence Interval
- eA All Global Equity Net

MANAGER ATTRIBUTION ANALYSIS
3 MONTHS ENDING 6/30/12


MANAGER ATTRIBUTION ANALYSIS
6 MONTHS ENDING 6/30/12

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## Manager Performance

Benchmark: MSCI All Country World Index
GMO uses a quantitative investment process to allocate between several of their mutual funds. They aim to add value both from opportunistic allocation between various segments of the market and from stock selection within the individual funds.

GMO does not employ a team of traditional fundamental security analysts. Instead, they attempt to exploit market inefficiencies by evaluating asset classes and individual securities largely through quantitative analysis. They prepare seven-year forecasts for different asset classes by conducting regression analysis on statistical and macroeconomic data. The forecasts are revised once every year, which leads to re-allocation among the different mutual funds. There is minimal rebalancing during the year. While the global equity allocation portfolio has no style bias, both value and momentum factors are taken into account when evaluating potential holdings (at the individual fund level). About $70 \%$ of the contribution to the portfolio is expected from value-related factors and $30 \%$ from momentum-related ones.

|  | Account Information |
| :--- | ---: |
| Account Name | GMO Global |
| Account Structure | Commingled Fund |
| Investment Style | Active |
| Inception Date | $4 / 30 / 05$ |
| Account Type | Global Equity |
| Benchmark | MSCI All Country World Index |
| Universe | eA All Global Equity Net |

Quarterly and Cumulative Excess Performance


## Universe Comparison



| Return (Rank) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 5th Percentile | 1.2 |  | 14.0 |  | 4.3 |  | 19.5 |  | 3.6 |  | 4.1 |  | 27.2 |  | 52.6 |  |
| 25th Percentile | -4.3 |  | 7.5 |  | -2.6 |  | 13.4 |  | 0.1 |  | -2.9 |  | 18.3 |  | 39.5 |  |
| Median | -5.7 |  | 5.9 |  | -5.7 |  | 11.3 |  | -2.0 |  | -6.3 |  | 13.6 |  | 32.4 |  |
| 75th Percentile | -7.4 |  | 4.6 |  | -9.5 |  | 9.5 |  | -4.0 |  | -10.4 |  | 11.3 |  | 26.7 |  |
| 95th Percentile | -11.2 |  | -4.6 |  | -20.8 |  | 6.2 |  | -6.6 |  | -17.4 |  | 6.6 |  | 18.7 |  |
| \# of Portfolios | 219 |  | 219 |  | 214 |  | 188 |  | 144 |  | 186 |  | 140 |  | 103 |  |
| - GMO Global | -3.7 | (22) | 5.6 | (55) | -2.6 | (25) | 10.9 | (56) | -0.8 | (34) | -2.0 | (20) | 10.2 | (88) | 24.3 | (86) |
| - MSCI All Country World Index | -5.6 | (47) | 5.7 | (54) | -6.5 | (55) | 10.8 | (59) | -2.7 | (59) | -7.3 | (56) | 12.7 | (56) | 34.6 | (46) |




- GMO Global
- MSCI All Country World Index
- Risk Free
- 68\% Confidence Interval
- eA All Global Equity Net

Annualized Return vs. Annualized Standard Deviation
5 Years Ending June 30, 2012


- GMO Global
- MSCI All Country World Index
- Risk Free
- 68\% Confidence Interval
- eA All Global Equity Net


## Manager Analysis

Benchmark: MSCI All Country World Index

| Current Allocation |  |  |  |
| :---: | :---: | :---: | :---: |
|  |  | Actual \$ | Actual \% |
|  | US Equity | \$57,389,894 | 38.4\% |
|  | $\square$ Non-US Equity | \$90,225,024 | 60.3\% |
|  | US Fixed Inc. | \$1,872,645 | 1.3\% |
|  | $\square$ Non-US Fixed Inc. | \$0 | 0.0\% |
|  | $\square$ Alternative | \$0 | 0.0\% |
| + | Real Estate | \$0 | 0.0\% |
| + | $\square$ Cash | \$0 | 0.0\% |
|  | $\square$ Other | \$17,943 | 0.0\% |
|  | Total | \$149,505,505 |  |


|  | Characteristics |  |
| :--- | ---: | ---: |
|  | Portfolio | MSCI ACWI |
|  | Gross |  |
| Number of Holdings | 1,657 | 2,445 |
| Weighted Avg. Market Cap. (\$B) | 90.48 | 71.33 |
| Median Market Cap. (\$B) | 4.06 | 6.56 |
| Price To Earnings | 13.42 | 15.49 |
| Price To Book | 3.17 | 3.02 |
| Price To Sales | 2.01 | 1.93 |
| Return on Equity (\%) | 23.04 | 18.31 |
| Yield (\%) | 3.47 | 2.81 |
| Beta | 0.86 | 1.00 |
| R-Squared | 0.97 | 1.00 |


| Top Holdings |  | Best Performers |  |  |  | Worst Performers |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Portfolio | Index |  |  | Portfolio | Index |  |
|  | Weight \% |  | Weight \% | Weight \% | Return \% |  | Weight \% | Weight \% | Return \% |
| JOHNSON \& JOHNSON | 2.50\% | HOME PRODUCT CENTER FB | 0.01\% |  | 201.03\% | KIRI INDUSTRIES | 0.00\% |  | -76.54\% |
| ORACLE | 2.32\% | LOOK | 0.01\% |  | 160.91\% | APCO OIL \& GAS INTL. | 0.00\% |  | -73.51\% |
| COCA COLA | 2.15\% | MELLANOX | 0.02\% |  | 69.31\% | DISCOUNT INVESTMENT | 0.00\% |  | -68.15\% |
| PHILIP MORRIS INTL. | 2.09\% | WEST HOLDINGS | 0.00\% |  | 63.59\% | OGX PETROLEO ON | 0.01\% | 0.01\% | -67.08\% |
| MICROSOFT | 2.08\% | SHIN FB | 0.01\% |  | 62.65\% | PUM YANG CON. SUSP - |  |  |  |
| PFIZER | 2.03\% | TAKASHIMA | 0.00\% |  | 61.66\% | SUSP.11/06/12 | 0.00\% |  | -63.43\% |
| TOTAL | 1.81\% | MISAWA HOMES | 0.01\% |  | 53.28\% | NOKIA | 0.08\% | 0.03\% | -59.02\% |
| APPLE | 1.70\% | HIKARI TSUSHIN | 0.04\% |  | 49.93\% | DEXIA | 0.00\% |  | -57.28\% |
| SANOFI | 1.64\% | YOUNGONE | 0.00\% |  | 44.04\% | SIGNATURE METALS | 0.00\% |  | -56.71\% |
| GOOGLE 'A' | 1.60\% | EXPEDIA | 0.00\% | 0.02\% | 44.04\% | HRT PETROLEO | 0.00\% | 0.00\% | -55.26\% |
| Total | 19.91\% |  |  |  |  | ROSSI RESID ON | 0.00\% |  | -53.07\% |

## Sector Attribution

Benchmark: MSCI All Country World Index


GMO Global Fund Performance Attribution vs. MSCI ACWI Gross

|  | Total <br> Effects | Selection <br> Effect | Interaction <br> Effects |  |
| :--- | :---: | :---: | :---: | :---: |
| Effect |  |  |  |  |

## Country Allocation

Benchmark: MSCI All Country World Index

| Versus MSCI ACWI Gross - Quarter Ending June 30, 2012 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Manager Allocation (USD) | Index Allocation (USD) | Manager Return (USD) | Index Return (USD) |
| Americas |  |  |  |  |
| Brazil* | 2.7\% | 1.9\% | -18.8\% | -19.0\% |
| Canada | 1.4\% | 4.3\% | -5.5\% | -7.6\% |
| Chile* | 0.0\% | 0.2\% | -6.2\% | -8.4\% |
| Colombia* | 0.0\% | 0.1\% | -- | -1.0\% |
| Mexico* | 0.2\% | 0.6\% | 3.7\% | -1.2\% |
| Peru* | 0.0\% | 0.1\% | -- | -3.3\% |
| United States | 40.3\% | 46.2\% | -0.9\% | -3.0\% |
| Total-Americas | 44.6\% | 53.5\% | -2.1\% | -3.9\% |
| Europe |  |  |  |  |
| Austria | 0.2\% | 0.1\% | -7.1\% | -12.8\% |
| Belgium | 0.6\% | 0.4\% | 4.4\% | 0.2\% |
| Czech Republic* | 0.2\% | 0.0\% | -11.2\% | -11.4\% |
| Denmark | 0.2\% | 0.4\% | 4.3\% | -3.1\% |
| Finland | 0.2\% | 0.3\% | -45.6\% | -20.5\% |
| France | 4.8\% | 3.4\% | -5.6\% | -8.1\% |
| Germany | 3.0\% | 3.2\% | -9.1\% | -12.0\% |
| Greece | 0.1\% | 0.0\% | -28.0\% | -20.7\% |
| Hungary* | 0.1\% | 0.0\% | -8.1\% | -7.4\% |
| Ireland | 0.2\% | 0.1\% | -3.2\% | -4.5\% |
| Italy | 1.8\% | 0.9\% | -8.3\% | -11.4\% |
| Luxembourg | 0.0\% | 0.0\% | -0.5\% | -5.4\% |
| Netherlands | 2.3\% | 0.9\% | -4.0\% | -6.8\% |
| Norway | 0.1\% | 0.4\% | -7.8\% | -9.2\% |
| Poland* | 0.2\% | 0.2\% | -6.3\% | -5.1\% |
| Portugal | 0.1\% | 0.1\% | -11.9\% | -18.7\% |
| Russia* | 1.4\% | 0.8\% | -16.0\% | -13.8\% |
| Spain | 1.7\% | 1.1\% | -13.3\% | -12.5\% |
| Sweden | 0.3\% | 1.2\% | -4.5\% | -7.2\% |
| Switzerland | 3.6\% | 3.1\% | -0.6\% | -5.6\% |
| United Kingdom | 10.0\% | 8.2\% | -2.9\% | -3.9\% |
| Total-Europe | 31.0\% | 24.7\% | -5.4\% | -7.3\% |


| Versus MSCI ACWI Gross - Quarter Ending June 30, 2012 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Manager Allocation (USD) | Index Allocation (USD) | Manager Return (USD) | $\begin{array}{r} \text { Index } \\ \text { Return (USD) } \end{array}$ |
| AsiaPacific |  |  |  |  |
| Australia | 1.9\% | 3.1\% | -1.9\% | -5.1\% |
| China* | 1.6\% | 2.2\% | -5.8\% | -5.3\% |
| Hong Kong | 0.8\% | 1.0\% | -6.1\% | -4.8\% |
| India* | 0.8\% | 0.8\% | -11.1\% | -9.4\% |
| Indonesia* | 0.8\% | 0.4\% | -6.8\% | -6.9\% |
| Japan | 13.6\% | 7.9\% | -5.0\% | -7.3\% |
| Korea* | 1.5\% | 2.0\% | -6.7\% | -8.7\% |
| Malaysia* | 0.0\% | 0.4\% | -6.6\% | -3.5\% |
| New Zealand | 0.2\% | 0.0\% | -8.3\% | -8.0\% |
| Philippines* | 0.2\% | 0.1\% | 7.4\% | 4.4\% |
| Singapore | 0.7\% | 0.7\% | -4.9\% | -3.8\% |
| Sri Lanka* | 0.0\% | 0.0\% | -4.5\% | -5.4\% |
| Taiwan* | 0.8\% | 1.4\% | -7.8\% | -9.4\% |
| Thailand* | 0.5\% | 0.3\% | 3.9\% | -5.3\% |
| Total-AsiaPacific | 23.4\% | 20.4\% | -5.1\% | -6.7\% |
| Other |  |  |  |  |
| Egypt* | 0.2\% | 0.0\% | -2.0\% | -3.7\% |
| Israel | 0.0\% | 0.2\% | -18.9\% | -13.9\% |
| Morocco* | 0.0\% | 0.0\% | -15.2\% | -12.9\% |
| Nigeria | 0.0\% | 0.0\% | 6.3\% | -5.4\% |
| South Africa* | 0.4\% | 1.0\% | -5.8\% | -5.7\% |
| Turkey* | 0.4\% | 0.2\% | 3.0\% | 1.8\% |
| Total-Other | 1.0\% | 1.5\% | -2.0\% | -6.2\% |

[^3]Total U.S. Fixed Income


## Universe Comparison



| Return (Rank) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 5th Percentile | 6.4 |  | 7.5 |  | 21.7 |  | 16.8 |  | 10.5 |  | 10.4 |  | 18.3 |  | 15.3 |  | 49.8 |  |
| 25th Percentile | 2.2 |  | 5.3 |  | 8.1 |  | 11.9 |  | 7.8 |  | 7.0 |  | 7.7 |  | 10.4 |  | 20.6 |  |
| Median | 1.6 |  | 3.3 |  | 6.5 |  | 7.9 |  | 6.4 |  | 5.6 |  | 5.9 |  | 7.2 |  | 10.8 |  |
| 75th Percentile | 0.8 |  | 2.0 |  | 4.0 |  | 5.3 |  | 4.7 |  | 4.4 |  | 2.9 |  | 4.9 |  | 6.1 |  |
| 95th Percentile | 0.0 |  | 0.4 |  | 0.3 |  | 0.9 |  | 1.9 |  | 2.6 |  | 0.1 |  | 0.8 |  | 1.2 |  |
| \# of Portfolios | 519 |  | 519 |  | 510 |  | 465 |  | 405 |  | 301 |  | 483 |  | 425 |  | 427 |  |
| - Total U.S. Fixed Income | 2.0 | (34) | 5.0 | (30) | 8.7 | (21) | 11.3 | (29) | 8.6 | (15) | 7.0 | (26) | 7.3 | (30) | 10.6 | (25) | 25.6 | (22) |
| - Barclays Aggregate Bond Index | 2.1 | (33) | 2.4 | (69) | 7.5 | (38) | 6.9 | (60) | 6.8 | (43) | 5.6 | (49) | 7.8 | (24) | 6.5 | (59) | 5.9 | (77) |

## Annualized Return vs. Annualized Standard Deviation <br> 3 Years Ending June 30, 2012



- Total U.S. Fixed Income
- Barclays Aggregate Bond Index
- Risk Free
- 68\% Confidence Interva
- eA All US Fixed Inc Net

Annualized Return vs. Annualized Standard Deviation
5 Years Ending June 30, 2012


- Total U.S. Fixed Income
- Barclays Aggregate Bond Index
- Risk Free
- 68\% Confidence Interval
- eA All US Fixed Inc Net

MANAGER ATTRIBUTION ANALYSIS
3 MONTHS ENDING 6/30/12


MANAGER ATTRIBUTION ANALYSIS
6 MONTHS ENDING 6/30/12

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## Manager Performance

## Benchmark: Barclays Aggregate Bond Index

Western Asset Management seeks to add value in fixed income accounts by employing multiple investment strategies while controlling risk. Western is an active sector rotator and attempts to exploit market inefficiencies by making opportunistic trades. The firm emphasizes non-Treasury sectors such as corporate and mortgages. The firm's team approach to fixed income management revolves around an investment outlook developed by the Investment Strategy Group. This group interacts on a daily basis, evaluating developments in both the market and the economy. Additionally, the group meets formally twice a month to review its outlook and investment strategy.


Quarterly and Cumulative Excess Performance


## Universe Comparison



| Return (Rank) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 5th Percentile | 6.4 |  | 7.5 |  | 21.7 |  | 16.8 |  | 10.5 |  | 10.4 |  | 18.3 |  | 15.3 |  | 49.8 |  |
| 25th Percentile | 2.2 |  | 5.3 |  | 8.1 |  | 11.9 |  | 7.8 |  | 7.0 |  | 7.7 |  | 10.4 |  | 20.6 |  |
| Median | 1.6 |  | 3.3 |  | 6.5 |  | 7.9 |  | 6.4 |  | 5.6 |  | 5.9 |  | 7.2 |  | 10.8 |  |
| 75th Percentile | 0.8 |  | 2.0 |  | 4.0 |  | 5.3 |  | 4.7 |  | 4.4 |  | 2.9 |  | 4.9 |  | 6.1 |  |
| 95th Percentile | 0.0 |  | 0.4 |  | 0.3 |  | 0.9 |  | 1.9 |  | 2.6 |  | 0.1 |  | 0.8 |  | 1.2 |  |
| \# of Portfolios | 519 |  | 519 |  | 510 |  | 465 |  | 405 |  | 301 |  | 483 |  | 425 |  | 427 |  |
| - Western | 2.3 | (22) | 5.0 | (31) | 8.6 | (22) | 11.1 | (30) | 7.2 | (33) | 6.6 | (30) | 7.3 | (31) | 11.3 | (20) | 18.2 | (31) |
| - Barclays Aggregate Bond Index | 2.1 | (33) | 2.4 | (69) | 7.5 | (38) | 6.9 | (60) | 6.8 | (43) | 5.6 | (49) | 7.8 | (24) | 6.5 | (59) | 5.9 | (77) |




- Western
- Barclays Aggregate Bond Index
- Risk Free
- 68\% Confidence Interval
- eA All US Fixed Inc Net


## Annualized Return vs. Annualized Standard Deviation

5 Years Ending June 30, 2012


- Western
- Barclays Aggregate Bond Index
- Risk Free
- $68 \%$ Confidence Interval
- eA All US Fixed Inc Net


## Manager Performance

Benchmark: Barclays Aggregate Bond Index
The BlackRock U.S. Debt Fund is an index fund which is designed to replicate the performance of the Barclays Capital Aggregate Bond Index. The U.S. Debt Fund is constructed by holding 7 different sub-funds that track specific sector/maturity combinations of the Barclays Capital Aggregate Bond Index.

|  | Account Information |
| :--- | ---: |
| Account Name | BlackRock U.S. Debt Fund |
| Account Structure | Commingled Fund |
| Investment Style | Passive |
| Inception Date | $11 / 30 / 95$ |
| Account Type | U.S. Fixed Income |
| Benchmark | Barclays Aggregate Bond Index |
| Universe | eA All US Fixed Inc Net |



Tracking Error


## Universe Comparison



| Return (Rank) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 5th Percentile | 6.4 |  | 7.5 |  | 21.7 |  | 16.8 |  | 10.5 |  | 10.4 |  | 18.3 |  | 15.3 |  | 49.8 |  |
| 25th Percentile | 2.2 |  | 5.3 |  | 8.1 |  | 11.9 |  | 7.8 |  | 7.0 |  | 7.7 |  | 10.4 |  | 20.6 |  |
| Median | 1.6 |  | 3.3 |  | 6.5 |  | 7.9 |  | 6.4 |  | 5.6 |  | 5.9 |  | 7.2 |  | 10.8 |  |
| 75th Percentile | 0.8 |  | 2.0 |  | 4.0 |  | 5.3 |  | 4.7 |  | 4.4 |  | 2.9 |  | 4.9 |  | 6.1 |  |
| 95th Percentile | 0.0 |  | 0.4 |  | 0.3 |  | 0.9 |  | 1.9 |  | 2.6 |  | 0.1 |  | 0.8 |  | 1.2 |  |
| \# of Portfolios | 519 |  | 519 |  | 510 |  | 465 |  | 405 |  | 301 |  | 483 |  | 425 |  | 427 |  |
| - BlackRock U.S. Debt Fund | 2.1 | (32) | 2.4 | (69) | 7.5 | (37) | 7.0 | (59) | 6.9 | (41) | 5.7 | (48) | 7.9 | (23) | 6.7 | (56) | 6.0 | (76) |
| - Barclays Aggregate Bond Index | 2.1 | (33) | 2.4 | (69) | 7.5 | (38) | 6.9 | (60) | 6.8 | (43) | 5.6 | (49) | 7.8 | (24) | 6.5 | (59) | 5.9 | (77) |

## Risk Profile

## Annualized Return vs. Annualized Standard Deviation <br> 3 Years Ending June 30, 2012



- BlackRock U.S. Debt Fund
- Barclays Aggregate Bond Index
- Risk Free

68\% Confidence Interva

- eA All US Fixed Inc Net

Annualized Return vs. Annualized Standard Deviation
5 Years Ending June 30, 2012


- BlackRock U.S. Debt Fund
- Barclays Aggregate Bond Index
- Risk Free
- 68\% Confidence Interval
- eA All US Fixed Inc Net


## Manager Performance

Benchmark: Barclays Aggregate Bond Index
Reams' investment process revolves around the manager's ability to combine top-down macroeconomic portfolio positioning with bottom-up bond selection. The top-down interest rate positioning is somewhat contrarian in that the manager uses real interest rates to gauge when the market is expensive and when it is cheap, increasing duration when the market is cheap and decreasing duration when it is expensive.

The manager attempts to exploit its relatively small size and uncover issues not widely followed by Wall Street. The manager prefers to hold securities by underlying collateral. The firm tends to avoid residential mortgages in favor of commercial mortgages.


Quarterly and Cumulative Excess Performance


## Universe Comparison



| Return (Rank) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 5th Percentile | 6.4 |  | 7.5 |  | 21.7 |  | 16.8 |  | 10.5 |  | 10.4 |  | 18.3 |  | 15.3 |  | 49.8 |  |
| 25th Percentile | 2.2 |  | 5.3 |  | 8.1 |  | 11.9 |  | 7.8 |  | 7.0 |  | 7.7 |  | 10.4 |  | 20.6 |  |
| Median | 1.6 |  | 3.3 |  | 6.5 |  | 7.9 |  | 6.4 |  | 5.6 |  | 5.9 |  | 7.2 |  | 10.8 |  |
| 75th Percentile | 0.8 |  | 2.0 |  | 4.0 |  | 5.3 |  | 4.7 |  | 4.4 |  | 2.9 |  | 4.9 |  | 6.1 |  |
| 95th Percentile | 0.0 |  | 0.4 |  | 0.3 |  | 0.9 |  | 1.9 |  | 2.6 |  | 0.1 |  | 0.8 |  | 1.2 |  |
| \# of Portfolios | 519 |  | 519 |  | 510 |  | 465 |  | 405 |  | 301 |  | 483 |  | 425 |  | 427 |  |
| - Reams | 2.2 | (27) | 5.5 | (22) | 10.7 | (14) | 11.9 | (26) | 9.8 | (7) | 7.6 | (21) | 8.3 | (19) | 10.1 | (27) | 35.9 | (13) |
| - Barclays Aggregate Bond Index | 2.1 | (33) | 2.4 | (69) | 7.5 | (38) | 6.9 | (60) | 6.8 | (43) | 5.6 | (49) | 7.8 | (24) | 6.5 | (59) | 5.9 | (77) |

Annualized Return vs. Annualized Standard Deviation
3 Years Ending June 30, 2012


- Reams
- Barclays Aggregate Bond Index
- Risk Free
- 68\% Confidence Interva
- eA All US Fixed Inc Net

Annualized Return vs. Annualized Standard Deviation
5 Years Ending June 30, 2012


- Reams
- Barclays Aggregate Bond Index
- Risk Free
- 68\% Confidence Interval
- eA All US Fixed Inc Net


## Manager Performance

Benchmark: Performance Benchmark
Loomis Sayles' fixed income philosophy is rooted in identifying undervalued securities through in-house credit research. Its philosophy emphasizes identifying issuers whose credit ratings appear likely to be upgraded or downgraded. The fixed income analysts use forward-looking analyses of cash flow, along with source and application of funds, to identify factors that may affect a debt issuer's future credit rating. Loomis Sayles believes that considerable value can be added by holding under-rated issues for which the firm has projected a credit upgrading.

Loomis typically allocates up to $40 \%$ of its assets to high yield securities and its portfolio's duration is significantly higher than that of the broad bond market. The manager also invests in convertible securities. The performance benchmark for the strategy is $60 \%$ Barclays Capital Aggregate Bond Index and $40 \%$ Barclays Capital High Yield Index.


Quarterly and Cumulative Excess Performance


## Universe Comparison

Ending June 30, 2012


| Return (Rank) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 5th Percentile | 6.4 |  | 7.5 |  | 21.7 |  | 16.8 |  | 10.5 |  | 18.3 |  | 15.3 |  | 49.8 |  |
| 25th Percentile | 2.2 |  | 5.3 |  | 8.1 |  | 11.9 |  | 7.8 |  | 7.7 |  | 10.4 |  | 20.6 |  |
| Median | 1.6 |  | 3.3 |  | 6.5 |  | 7.9 |  | 6.4 |  | 5.9 |  | 7.2 |  | 10.8 |  |
| 75th Percentile | 0.8 |  | 2.0 |  | 4.0 |  | 5.3 |  | 4.7 |  | 2.9 |  | 4.9 |  | 6.1 |  |
| 95th Percentile | 0.0 |  | 0.4 |  | 0.3 |  | 0.9 |  | 1.9 |  | 0.1 |  | 0.8 |  | 1.2 |  |
| \# of Portfolios | 519 |  | 519 |  | 510 |  | 465 |  | 405 |  | 483 |  | 425 |  | 427 |  |
| Loomis Sayles | 0.9 | (75) | 6.8 | (10) | 5.4 | (63) | 13.8 | (17) | 7.9 | (23) | 4.2 | (67) | 13.5 | (12) | 38.1 | (12) |
| - Performance Benchmark | 2.0 | (38) | 3.8 | (44) | 7.6 | (36) | 9.5 | (39) | 7.2 | (32) | 7.1 | (35) | 8.7 | (34) | 18.8 | (29) |

## Annualized Return vs. Annualized Standard Deviation <br> 3 Years Ending June 30, 2012



- Loomis Sayles
- Performance Benchmark

Risk Free

- 68\% Confidence Interval
- eA All US Fixed Inc Net


## Annualized Return vs. Annualized Standard Deviation

5 Years Ending June 30, 2012


- Loomis Sayles
- Performance Benchmark
- Risk Free
- 68\% Confidence Interva
- eA All US Fixed Inc Net

Total Real Estate


## Overview

## Risk Profile

Benchmark: Policy Benchmark

## Annualized Return vs. Annualized Standard Deviation <br> 3 Years Ending June 30, 2012



- Total Real Estate
- Policy Benchmark
- Risk Free


## Annualized Return vs. Annualized Standard Deviation

5 Years Ending June 30, 2012


- Total Real Estate
- Policy Benchmark
- Risk Free
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## Manager Performance

Benchmark: Policy Benchmark
Prudential's PRISA is a core-only product with no value-added component. The manager utilizes low leverage (max $30 \%$ ) and is diversified across both property types and regions. PRISA has a dedicated team of 15 regional research professionals who work on the portfolio. In constructing the PRISA portfolio, the lead portfolio manager annually develops a forward-looking three-year forecast. The forecast is based on macroeconomic predictions, along with input from the manager's proprietary software systems. The transaction team utilizes this forward-looking forecast in its search for potential properties.

|  | Account Information |  |
| :--- | ---: | ---: |
| Account Name | Total Prudential Real Estate |  |
| Account Structure | Other |  |
| Investment Style | Active |  |
| Inception Date | $6 / 30 / 04$ |  |
| Account Type | Real Estate |  |
| Benchmark | Policy Benchmark |  |
| Universe |  |  |



Quarterly and Cumulative Excess Performance


## Risk Proille

Benchmark: Policy Benchmark



## Manager Performance

Benchmark: NCREIF Open End Fund Index

|  | Account |
| :--- | ---: |
|  |  |
| Account Name |  |
| Account Structure | UBS Real Estate |
| Investment Style | Other |
| Inception Date | Active |
| Account Type | $3 / 31 / 03$ |
| Benchmark | Real 5 state |
| Universe | NCREIF |



Quarterly and Cumulative Excess Performance


## Risk Profile

Benchmark: NCREIF Open End Fund Index




## Manager Performance

Benchmark: Performance Benchmark

|  | Account Information |
| :--- | ---: |
| Account Name | Guggenheim |
| Account Structure | Other |
| Investment Style | Active |
| Inception Date | $6 / 30 / 06$ |
| Account Type | Real Estate |
| Benchmark | Performance Benchmark |
| Universe |  |

Quarterly and Cumulative Excess Performance


## Risk Profile

Benchmark: Performance Benchmark



Note: Geographic Diversification figures are as of 03/31/2012 as 06/30/2012 data is not avaliable.

## Manager Performance

Benchmark: NCREIF Open End Fund Index
RREEF employs $600+$ real estate investment professionals in 115 offices located in every major metropolitan market nationwide. RREEF America III (RA III) is a $\$ 600$ million open-end private REIT that pursues value-added investment opportunities in the U.S. The RREEF research process, dubbed the Market Profile Process, is led by Asieh Mansour, Ph. D and is roughly $65 \%$ bottom up asset-specific fundamental research and $25 \%$ top down market and demographic research. The remainder focuses on the investment performance of real estate in both public market and private market settings. This process is executed by the 17 members of the full-time research staff.

RA III has a target total fund size of \$1-2 billion, which RA III management expects to reach over a five year period. RREEF expects RA III to produce more than one-half of its total return from realized and unrealized gains resulting from the improvements it makes in the fund's assets. RA III investments will include income-producing properties, properties requiring re-positioning, and speculative development. The fund is scheduled to have a 15 -year life and will commence an orderly liquidation of assets on January 22, 2016. RA III shareholders and the Board of Directors are considering a proposal to extend product life. As a REIT, oversight of RA III is maintained by an independent board that approves: the investment plan, dispositions, financing, and quarterly valuations.

|  | Account Information |  | RREEF |
| :--- | ---: | :---: | :---: |
| Account Name | Other |  |  |
| Account Structure | Active |  |  |
| Investment Style | 10/01/07 |  |  |
| Inception Date | Real Estate |  |  |
| Account Type | NCREIF Open End Fund Index |  |  |
| Benchmark |  |  |  |
| Universe |  |  |  |



Quarterly and Cumulative Excess Performance


Benchmark: NCREIF Open End Fund Index
Annualized Return vs. Annualized Standard Deviation
3 Years Ending June 30, 2012


- RREEF
- NCREIF Open End Fund Index
- Risk Free


Private Equity

Adams Street Partnership

|  | As of 03/31/2012 |
| :--- | :---: |
| Inception Date | May 2010 |
| Capital Committed | $\$ 85.0$ million |
| Capital Called | $\$ 17.06$ million |
| Distributions | $\$ 0.0$ million |
| Carrying Values | $\$ 19.56$ million |
| Net IRR Since Inception* | $29.1 \%$ |

Pantheon Ventures

|  | As of 03/31/2012 |
| :--- | :---: |
| Inception Date | January 2010 |
| Capital Committed | $\$ 15.0$ million |
| Capital Called | $\$ 3.98$ million |
| Distributions | $\$ 0.45$ million |
| Carrying Values | $\$ 4.61$ million |
| Net IRR Since Inception** | N/A |

*Due to the relatively short investment period of the Pension's investments, the internal rate of return (IRR) is might not be meaningful.
**Due to the relatively short investment period of the Pension's investments, returns are not shown. An internal rate of return (IRR) will be calculated for this investment once a meaningful level of capital has been invested for an appropriate period of time.

Appendix

| Account | Fee Schedule | Market Value As of 6/30/2012 | \% of Portfolio | Estimated Annual Fee (\$) | Estimated Annual Fee (\%) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Total U.S. Equity | No Fee | \$1,196,073,174 | 37.4\% | -- | -- |
| BlackRock Extended Equity Index Fund | $0.08 \%$ of First $\$ 50.0$ Mil, $0.06 \%$ of Next $\$ 50.0$ Mil, $0.04 \%$ Thereafter | \$28,845,144 | 0.9\% | \$23,076 | 0.08\% |
| Western U.S. Index Plus | 0.15\% of Assets | \$111,402,502 | 3.5\% | \$167,104 | 0.15\% |
| BlackRock Equity Market Fund | $0.03 \%$ of First $\$ 250.0$ Mil, 0.02\% Thereafter | \$1,055,825,528 | 33.0\% | \$236,165 | 0.02\% |
| Total Non-U.S. Equity | No Fee | \$531,184,817 | 16.6\% | -- | -- |
| BlackRock ACWI ex-U.S. Index | $0.12 \%$ of First $\$ 100.0$ Mil, <br> $0.10 \%$ Thereafter | \$265,166,040 | 8.3\% | \$285,166 | 0.11\% |
| Sprucegrove | $0.90 \%$ of First $\$ 5.0$ Mil, $0.65 \%$ of Next $\$ 10.0$ Mil, $0.55 \%$ of Next $\$ 25.0 \mathrm{Mil}$, $0.50 \%$ of Next $\$ 35.0$ Mil, $0.25 \%$ of Next $\$ 225.0$ Mil, $0.20 \%$ Thereafter | \$140,627,582 | 4.4\% | \$586,569 | 0.42\% |
| Hexavest | $0.60 \%$ of First $\$ 10.0$ Mil, $0.50 \%$ of Next $\$ 30.0$ Mil, $0.40 \%$ of $\operatorname{Next} \$ 40.0$ Mil | \$51,098,115 | 1.6\% | \$254,392 | 0.50\% |
| Walter Scott | $1.00 \%$ of First $\$ 50.0$ Mil, $0.85 \%$ of Next $\$ 25.0$ Mil, $0.60 \%$ Thereafter | \$74,293,080 | 2.3\% | \$706,491 | 0.95\% |
| Total Global Equity | No Fee | \$267,070,236 | 8.3\% | -- | -- |
| GMO Global | 0.65\% of Assets | \$149,524,495 | 4.7\% | \$971,909 | 0.65\% |
| Acadian | $0.95 \%$ of First $\$ 25.0$ Mil, <br> $0.90 \%$ Thereafter | \$10,461 | 0.0\% | \$99 | 0.95\% |
| BlackRock Global MSCI ACWI Equity Index | No Fee | \$117,535,280 | 3.7\% | -- | -- |
| Total U.S. Fixed Income | No Fee | \$824,507,336 | 25.8\% | -- | -- |
| Western | $0.30 \%$ of First $\$ 100.0$ Mil, $0.15 \%$ Thereafter | \$247,955,848 | 7.8\% | \$521,934 | 0.21\% |


| Account | Fee Schedule | Market Value As of 6/30/2012 | \% of Portfolio | Estimated Annual Fee (\$) | Estimated Annual Fee (\%) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| BlackRock U.S. Debt Fund | $0.06 \%$ of First $\$ 100.0$ Mil, $0.04 \%$ of Next $\$ 400.0$ Mil, $0.02 \%$ Thereafter | \$131,199,405 | 4.1\% | \$72,480 | 0.06\% |
| Reams | $0.20 \%$ of First $\$ 200.0$ Mil, <br> $0.15 \%$ Thereafter | \$327,201,040 | 10.2\% | \$590,802 | 0.18\% |
| Loomis Sayles | $\begin{aligned} & \text { 0.50\% of First } \$ 20.0 \text { Mil, } \\ & 0.40 \% \text { of Next } \$ 30.0 \text { Mil, } \\ & 0.30 \% \text { Thereafter } \end{aligned}$ | \$118,151,043 | 3.7\% | \$424,453 | 0.36\% |
| Total Global Fixed Income | No Fee | \$65,400,000 | 2.0\% | -- | -- |
| Loomis Sayles Global Fixed Income | No Fee | \$65,400,000 | 2.0\% | -- | -- |
| Total Real Estate | No Fee | \$283,213,127 | 8.9\% | -- | -- |
| Total Prudential Real Estate | 0.81\% of Assets | \$80,018,268 | 2.5\% | \$648,148 | 0.81\% |
| UBS Real Estate | 0.96\% of Assets | \$171,825,600 | 5.4\% | \$1,649,526 | 0.96\% |
| Guggenheim | 0.60\% of Assets | \$21,787,344 | 0.7\% | \$130,724 | 0.60\% |
| RREEF | 0.30\% of Assets | \$9,581,915 | 0.3\% | \$28,746 | 0.30\% |
| Private Equity | No Fee | \$26,877,068 | 0.8\% | -- | -- |
| Adams Street Partners | 1.00\% of Assets | \$21,594,177 | 0.7\% | \$215,942 | 1.00\% |
| Pantheon Ventures | 1.00\% of Assets | \$5,282,891 | 0.2\% | \$52,829 | 1.00\% |
| Total Cash | No Fee | \$4,564,461 | 0.1\% | -- | -- |
| Clifton Group | $\begin{aligned} & \text { 0.15\% of First \$25.0 Mil, } \\ & \text { 0.10\% of Next } \$ 75.0 \text { Mil, } \\ & \text { 0.40\% Thereafter } \end{aligned}$ | \$4,564,461 | 0.1\% | \$6,847 | 0.15\% |
| Investment Management Fee |  | \$3,198,890,219 | 100.0\% | \$7,573,401 | 0.24\% |

Note: Western's fees for both U.S. and Fixed Income products are calculated together. The first $\$ 100$ million of the combined assts is billed at 30 bps, all assets thereafter are billed at 15 bps.

|  | Second <br> Quarter | Annualized Periods Ending 6/30/12 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1-Year | 3-Year | 5-Year | 10-Year | 15-Year |
| Domestic Stock Indices: |  |  |  |  |  |  |
| Dow Jones US Total Stock Index | -3.1 | 4.0 | 16.9 | 0.6 | 6.1 | 5.3 |
| S\&P 500 Index | -2.8 | 5.4 | 16.4 | 0.2 | 5.3 | 4.8 |
| Russell 3000 Index | -3.1 | 3.8 | 16.7 | 0.4 | 5.8 | 5.2 |
| Russell 1000 Value Index | -2.2 | 3.0 | 15.8 | -2.2 | 5.3 | 5.7 |
| Russell 1000 Growth Index | -4.0 | 5.8 | 17.5 | 2.9 | 6.0 | 3.9 |
| Russell MidCap Value Index | -3.3 | -0.4 | 19.9 | -0.1 | 8.2 | 8.5 |
| Russell MidCap Growth Index | -5.6 | -3.0 | 19.0 | 1.9 | 8.5 | 6.4 |
| Russell 2000 Value Index | -3.0 | -1.4 | 17.4 | -1.0 | 6.5 | 7.6 |
| Russell 2000 Growth Index | -3.9 | -2.7 | 18.1 | 2.0 | 7.4 | 4.2 |
| Domestic Bond Indices: |  |  |  |  |  |  |
| Barclays Capital Aggregate Index | 2.1 | 7.5 | 6.9 | 6.8 | 5.6 | 6.3 |
| Barclays Capital Govt/Credit Index | 2.6 | 8.8 | 7.3 | 6.9 | 5.8 | 6.4 |
| Barclays Capital Long Govt/Credit Index | 7.3 | 24.6 | 14.4 | 11.0 | 8.7 | 8.6 |
| Barclays Capital 1-3 Year Govt/Credit Index | 0.2 | 1.1 | 2.3 | 3.7 | 3.4 | 4.5 |
| Barclays Capital U.S. MBS Index | 1.1 | 5.0 | 5.4 | 6.7 | 5.4 | 6.1 |
| Barclays Capital High Yield Index | 1.8 | 7.3 | 16.3 | 8.4 | 10.2 | 7.0 |
| Barclays Capital Universal Index | 2.0 | 7.4 | 7.6 | 6.8 | 6.0 | 6.4 |
| Real Estate Indices: |  |  |  |  |  |  |
| NCREIF Property Index | 2.7 | 12.0 | 8.8 | 2.5 | 8.3 | 9.4 |
| NCREIF ODCE Index | 2.3 | 11.3 | 7.4 | -1.8 | 5.6 | 7.3 |
| Dow Jones Real Estate Securities Index | 3.7 | 12.8 | 33.5 | 1.8 | 10.3 | 9.5 |
| FTSE NAREIT US Real Estate Index | 4.0 | 12.5 | 32.4 | 2.6 | 10.3 | 9.5 |
| Foreign/Global Stock Indices: |  |  |  |  |  |  |
| MSCI All Country World Index | -5.6 | -6.5 | 10.8 | -2.7 | 5.7 | 3.8 |
| MSCI All Country World IMI | -5.7 | -6.9 | 11.3 | -2.4 | 6.2 | 4.1 |
| MSCI All Country World ex-U.S. Index | -7.6 | -14.6 | 7.0 | -4.6 | 6.7 | 3.7 |
| MSCI All Country World ex-U.S. IMI | -7.8 | -14.8 | 7.4 | -4.5 | 7.2 | 3.8 |
| MSCI All Country World ex-U.S. Small Cap Index | -8.9 | -16.4 | 10.4 | -3.7 | 10.1 | 5.3 |
| MSCI EAFE Index | -7.1 | -13.8 | 6.0 | -6.1 | 5.1 | 2.9 |
| MSCI EAFE IMI | -7.3 | -14.0 | 6.3 | -5.9 | 5.6 | 3.1 |
| MSCI EAFE Index (in local currency) | -5.4 | -8.6 | 4.4 | -7.5 | 2.1 | 1.6 |
| MSCI Emerging Markets IMI | -8.8 | -16.3 | 10.0 | 0.0 | 14.1 | 4.5 |
| Foreign Bond Indices: |  |  |  |  |  |  |
| Citigroup World Gov't Bond Index | 0.2 | 0.4 | 5.1 | 7.4 | 7.1 | 5.8 |
| Citigroup Hedged World Gov't Bond Index | 1.1 | 6.2 | 3.7 | 4.8 | 4.5 | 5.5 |
| Cash Equivalents: |  |  |  |  |  |  |
| Treasury Bills (30-Day) | 0.0 | 0.0 | 0.1 | 0.6 | 1.4 | 2.4 |
| Hewitt EnnisKnupp STIF Index | 0.1 | 0.2 | 0.3 | 1.3 | 2.1 | 3.1 |
| Inflation Index: |  |  |  |  |  |  |
| Consumer Price Index | 0.0 | 1.7 | 2.1 | 2.0 | 2.5 | 2.4 |

## Total Fund

Policy Porffolio- As of April 2010, the return is based on a combination of 37\% DJ U.S. Total Stock Market Index, 27\% Barclays Aggregate Bond Index, 18\% MSCI All Country World Ex-U.S. Index, 10\% MSCI All Country World Index and 8\% NCREIF Real Estate Index. Prior to April 2010, the return was based on a combination of 40\% DJ U.S. Total Stock Market Index, $27 \%$ Barclays Aggregate Bond Index, $18 \%$ MSCI All Country World Ex-U.S. Index, $7 \%$ MSCI All Country World Index and $8 \%$ NCREIF Real Estate Index. Prior to June 2008, the return was based on a combination of $47 \%$ DJ U.S. Total Stock Market Index, $27 \%$ Barclays Aggregate Bond Index, $14 \%$ MSCI All Country World Ex-U.S. Index, $4 \%$ MSCI All Country World Index and 8\% NCREIF Real Estate Index. Prior to October 2007, the return was based on a combination of 47\% DJ U.S. Total Stock Market Index, 29\% Barclays Aggregate Bond Index, $14 \%$ MSCI All Country World Ex-U.S. Index, 4\% MSCI All Country World Index and 6\% NCREIF Real Estate Index. Prior to June 2005, the return was based on a combination of $49 \%$ Russell 3000 Index, $29 \%$ Barclays Aggregate Bond Index, $16 \%$ MSCI All Country World Ex-U.S. Index and 6\% NCREIF Real Estate Index. Prior to April 2003, the return was based on a combination of $49 \%$ Russell 3000 Index, $32 \%$ Barclays Aggregate Bond Index, 16\% MSCI All Country World Ex-U.S. Index and $3 \%$ NCREIF Real Estate Index. Prior to May 2002 the return was based on a combination of $49 \%$ Russell 3000 Index, $32 \%$ Barclays Aggregate Bond Index, $16 \%$ MSCI EAFE Index and $3 \%$ NCREIF Real Estate Index. Prior to April 2002 the return was based on a combination of $53 \%$ Russell 3000 Index, 32 Barclays Aggregate Bond Index, $12 \%$ MSCI Europe, Australasia and Far East (EAFE) Index and 3\% NCREIF Real Estate Index. Prior to October 2001, the policy portfolio consisted of a combination of $53 \%$ Russell $3000,22 \%$ Barclays Aggregate Bond Index, $12 \%$ MSCI Europe, Australasia and Far East (EAFE) Index, $3 \%$ NCREIF Real Estate Index, and 10\% Solomon Brothers World Government Bond Index Hedged. Historically, the policy return is based on the historic policy allocations provided by the VCERA staff.

Public Fund Universe - An equal-weighted index that is designed to represent the average return earned by U.S. public pension funds. The index is calculated based on a universe of 116 funds compiled by BNY Mellon Performance \& Risk Analytics, LLC as of 06/30/2012.

## Total U.S. Equity

Benchmark. The DJ U.S. Total Stock Market Index.
Universe. A universe of 1,119 domestic stock portfolios compiled by eVestment as of 06/30/2012.

## BlackRock Extended Equity Index Fund

Benchmark. The DJ U.S. Completion Total Stock Market Index.
Universe. A universe 105 small-mid cap stock portfolios compiled by eVestment as of 06/30/2012.

## Western U.S. Index Plus

Benchmark. The S\&P 500 Index.
Universe. A universe of 1,119 domestic stock portfolios compiled by eVestment as of $06 / 30 / 2102$.

## BlackRock Equity Market Fund

Benchmark. The DJ U.S. Total Stock Market Index.
Universe. A universe of 1,119 domestic stock portfolios compiled by eVestment as of 06/30/2012.

## Total Non-U.S. Equity

Benchmark. The Morgan Stanley Capital International All Country World ex-U.S. Free Index. Prior to May 2002, the Morgan Stanley Capital International EAFE-Free Stock Index.
Universe. A universe of 134 international stock portfolios compiled by eVestment as of 06/30/2012.
BlackRock ACWI ex U.S.

Benchmark. The MSCI All Country World ex-U.S. IMI Index
Universe. A universe of 134 international stock portfolios compiled by eVestment as of 06/30/2012.

## Sprucegrove

Benchmark. The Morgan Stanley Capital International EAFE-Free Stock Index.
Universe. A universe of 134 international stock portfolios compiled by eVestment as of 06/30/2012.

## Hexavest

Benchmark. The Morgan Stanley Capital International EAFE-Free Stock Index.
Universe. A universe of 134 international stock portfolios compiled by eVestment as of 06/30/2012.

## Walter Scott

Benchmark. The Morgan Stanley Capital International All Country World ex-U.S. Free Index.
Universe. A universe of 134 international stock portfolios compiled by eVestment as of 06/30/2012.

## Total Global Equity

Benchmark. The Morgan Stanley Capital International All Country World Index.

Universe. A universe of 219 global stock portfolios compiled by eVestment as of 06/30/2102.

## Grantham Mayo Van Otterloo (GMO)

Benchmark. The Morgan Stanley Capital International All Country World Index.

Universe. A universe of 219 global stock portfolios compiled by eVestment as of 06/30/2012.

## Total Fixed Income

Benchmark. The BlackRock Aggregate Bond Index.
Universe. A universe of 519 fixed income stock portfolios compiled by eVestment as of 06/30/2012.

## Western Asset Management

Benchmark. The BlackRock Aggregate Bond Index.
Universe. A universe of 519 fixed income stock portfolios compiled by eVestment as of 06/30/2012.

## BlackRock U.S. Debt Index Fund

Benchmark. The BlackRock Aggregate Bond Index.
Universe. A universe of 519 fixed income stock portfolios compiled by eVestment as of 06/30/2012.

## Reams

Benchmark. The BlackRock Aggregate Bond Index.
Universe. A universe of 519 fixed income stock portfolios compiled by eVestment as of 06/30/2012.

## Loomis Sayles

Benchmark. $60 \%$ of the BlackRock Aggregate Bond Index and $40 \%$ of the BlackRock High Yield Index.

Universe. A universe of 519 fixed income stock portfolios compiled by eVestment as of 06/30/2012.

## Total Real Estate

Benchmark. The National Council of Real Estate Investment Fiduciaries (NCREIF) Open-End Fund. Prior to January 2006, the NCREIF Property Index.

## Prudential Real Estate

Benchmark. The National Council of Real Estate Investment Fiduciaries (NCREIF) Open-End Fund. Prior to January 2006, the NCREIF Property Index.
UBS RESA

Benchmark. The National Council of Real Estate Investment Fiduciaries (NCREIF) Open-End Fund.

## Guggenheim

Benchmark. 70\% of the National Council of Real Estate Investment Fiduciaries (NCREIF) Open-End Fund and 30\% of the NAREIT Index.

## RREEF

Benchmark. The National Council of Real Estate Investment Fiduciaries (NCREIF) Open-End Fund.

## Total Alternatives

Benchmark. London Interbank Offered Rate (LIBOR) + 3\%
K2 Advisors

Benchmark. London Interbank Offered Rate (LIBOR) $+3 \%$

Russell 3000 Index- A capitalization-weighted stock index consisting of the 3,000 largest publicly traded U.S. stocks by capitalization. This index is a broad measure of the performance of the aggregate domestic equity market.

S\&P 500 Index- A capitalization-weighted index representing the 500 largest publicly traded U.S. stocks.

MSCI Europe, Australasia, Far East (EAFE) Foreign Index- A capitalization-weighted index of 20 stock markets in Europe, Australia, Asia and the Far East.
MSCI All Country World Index - An index of major world stock markets, including the U.S., representing countries according to their approximate share of world market capitalization. The weights are adjusted to reflect foreign currency fluctuations relative to the U.S. dollar.

BlackRock Aggregate Bond Index- A market value-weighted index consisting of the Barclays Corporate, Government and Mortgage-Backed Indices. This index is the broadest available measure of the aggregate U.S. fixed income market.

NCREIF Open End Fund Index- A capitalization-weighted index of privately owned investment grade income-producing properties representing approximately $\$ 67$ billion in assets.

Rank - A representation of the percentile position of the performance of a given portfolio, relative to a universe of similar funds. For example, a rank of 25 for a given manager indicates outperformance by that manager of $75 \%$ of other funds in that same universe.

Universe - A distribution of the returns achieved by a group of funds with similar investment objectives.
U.S. Stock Universe - The rankings are based on a universe that is designed to represent the average equity return earned by U.S. institutional investors (public funds, corporate funds, and endowmentfoundations). The universe is calculated based on data provided by eVestment Alliance and includes 914 funds.

Non-U.S. Equity Universe - The rankings are based on a universe that is designed to represent the average international equity return earned by U.S. institutional investors (public funds, corporate funds, and endowmentfoundations). The universe is calculated based on data provided by eVestment Alliance and includes 128 funds.

Global Equity Universe - The rankings are based on a universe that is designed to represent the average global equity return earned by U.S. institutional investors (public funds, corporate funds, and endowmentfoundations). The universe is calculated based on data provided by eVestment Alliance and includes 123 funds.

Fixed Income Universe - The rankings are based on a universe that is designed to represent the average fixed income return earned by U.S. institutional investors (public funds, corporate funds, and endowmentfoundations). The universe is calculated based on data provided by eVestment Alliance and includes 354 funds.

Ratio of Cumulative Wealth Graph - An illustration of a portfolio's cumulative, unannualized performance relative to that of its benchmark. An upward sloping line indicates superior fund performance. Conversely, a downward sloping line indicates underperformance by the fund. A flat line is indicative of benchmark-like performance.

Risk-Return Graph - The horizontal axis, annualized standard deviation, is a statistical measure of risk, or the volatility of returns. The vertical axis is the annualized rate of return. As most investors generally prefer less risk to more risk and always prefer greater returns, the upper left corner of the graph is the most attractive place to be. The line on this exhibit represents the risk and return tradeoffs associated with market portfolios or index funds.

Style Map -This illustration represents the manager's style compared to that of the broadest stock index (the DJ U.S. Total Stock Market Index). Any manager falling above the axis is referred to as large-cap and any manager falling below the axis is considered to be medium- to small-cap.


[^0]:    ${ }^{1}$ Actual peer group performance reported in client reports may vary based on the constituent peer group utilized (e.g., mutual fund universe, separate account universe). Percentile rankings are based on a system in which 1=best and 99=worst.
    ${ }^{2}$ Based on preliminary peer group information as of June 30, 2012, provided by eVestment Alliance. Data was aggregated on July 17, 2012. Information is presented net of fees.

[^1]:    * Asset allocation reflects net exposure
    * Private Equity reflects Market Values as of 12/31/2011 plus Capital Calls from 1/1/2012-5/31/201،

[^2]:    Tracking Error

[^3]:    * Asterisk denotes Emerging Markets countries

