



# Second Quarter 2014 Investment Performance Analysis

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

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

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







# **NEPC UPDATES**

Second Quarter 2014

# Highlights of Second Quarter Happenings at NEPC

#### **NEPC Research**

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

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

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

#### **NEPC** News

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

### **Professional Staff Updates**

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

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

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



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





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



#### • Global Equities

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

#### • Global Fixed Income

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



### Second Quarter 2014 Market Review

### Commodity Markets

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

### • Hedge Funds

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



### Second Quarter 2014 Market Review

### • Private Markets

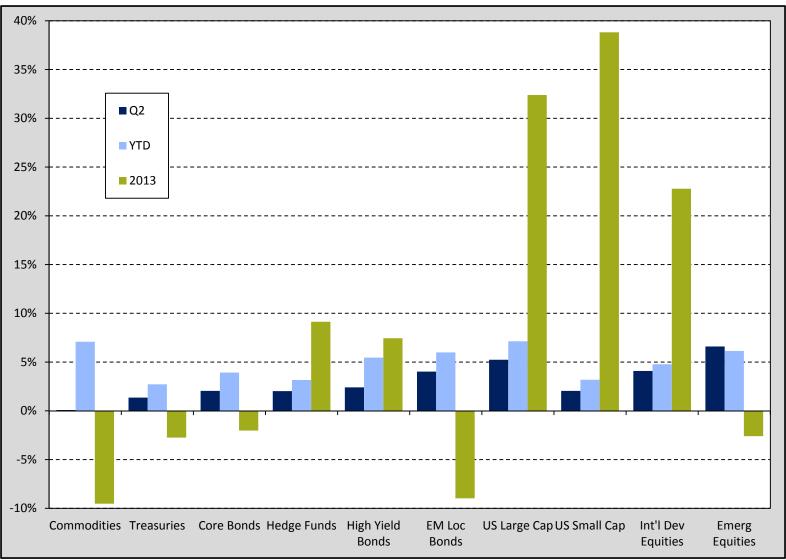
- New private equity commitments totaled \$173.1 billion in the first half of the year, putting 2014 on track to be the fifth straight year of increasing commitments.
- Buyout and growth equity funds raised \$88.5 billion in the first half of 2014, with mega buyout firms accounting for 31% of all buyout/growth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

#### Real Estate

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



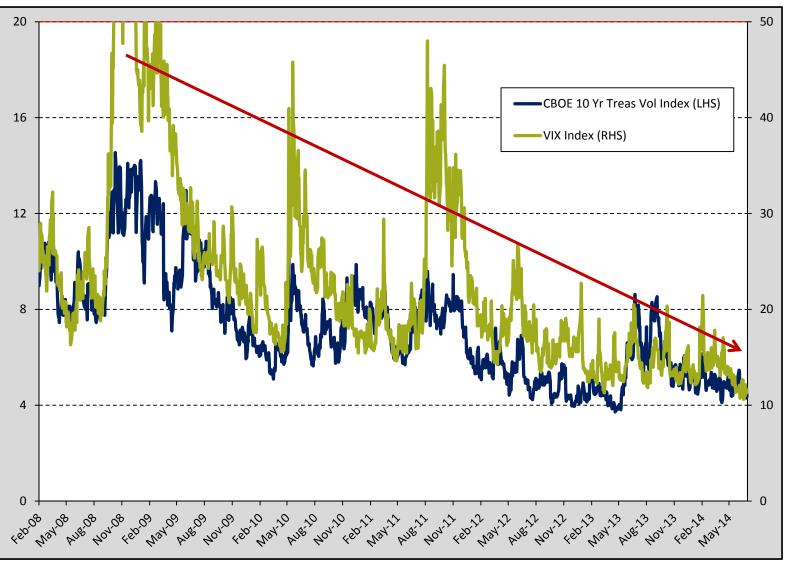
## Broad Market Indices are Mostly Positive in 2014



Source: Bloomberg as of 6/30



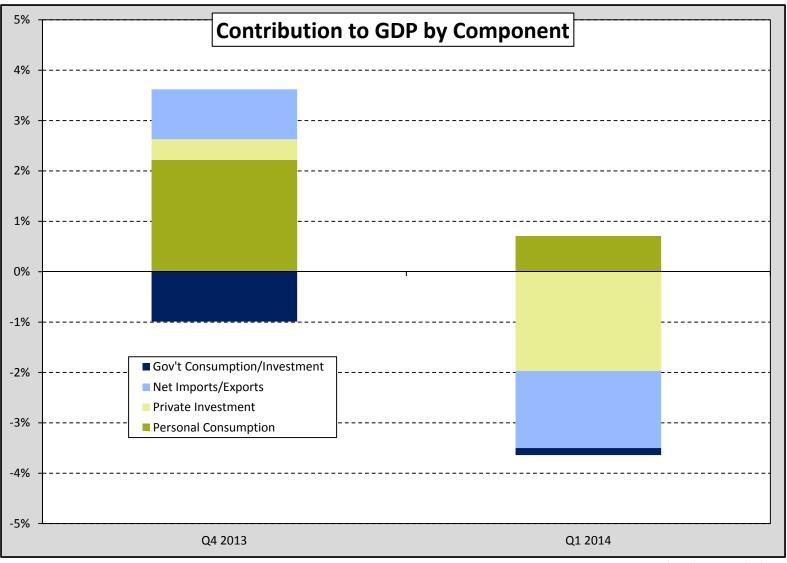
# Amid a Backdrop of Persistent Low Volatility



Source: Bloomberg as of 6/30



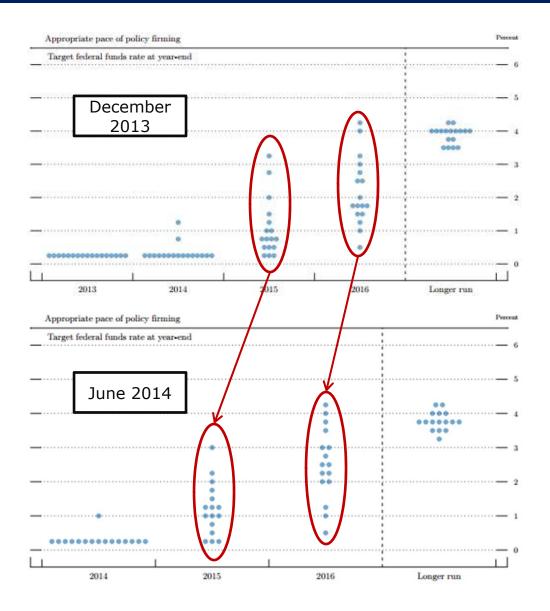
While US Second Quarter GDP Growth was Revised to -2.9%...



Source: Bloomberg as of 6/30



## Uncertainty Regarding the Pace of Fed Policy Firming Remains

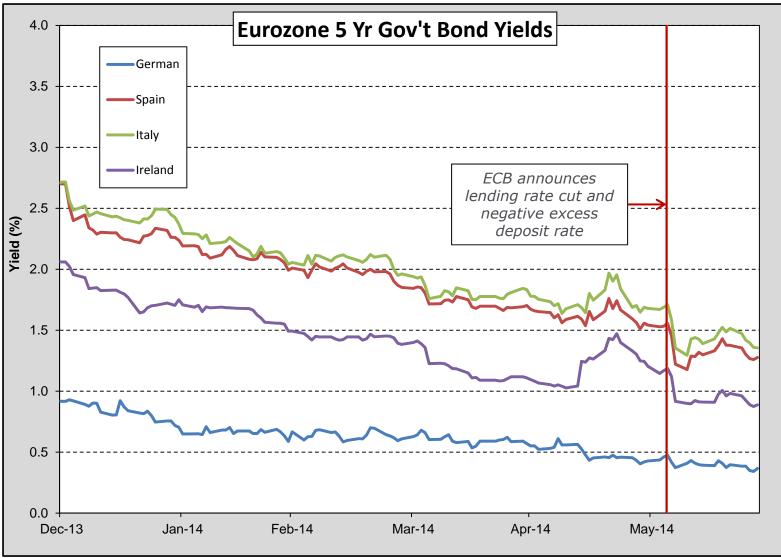


- Fed has delivered relatively unified messages on the pace of taper and thoughts on US economy
- However, significant uncertainty remains on pace of raising the target Fed funds rate
- Though markets expect rates to rise, pace and path are unclear

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

Source: Federal Reserve

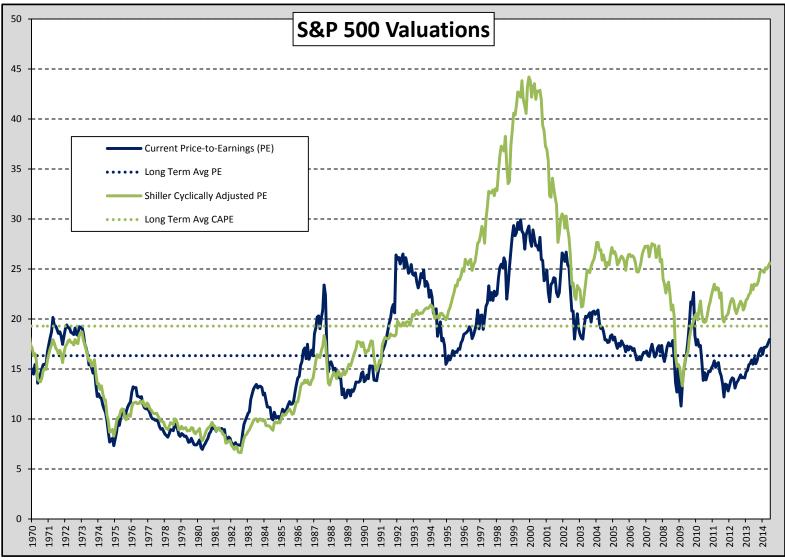
## Meanwhile the ECB Has Initiated Stimulatory Measures



Source: Bloomberg as of 6/30



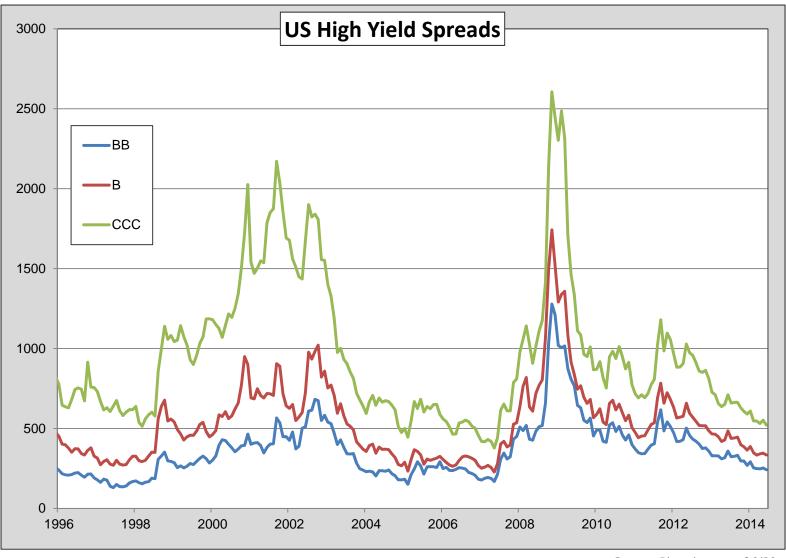
# Equity Valuations are Trending above Long-Term Averages



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



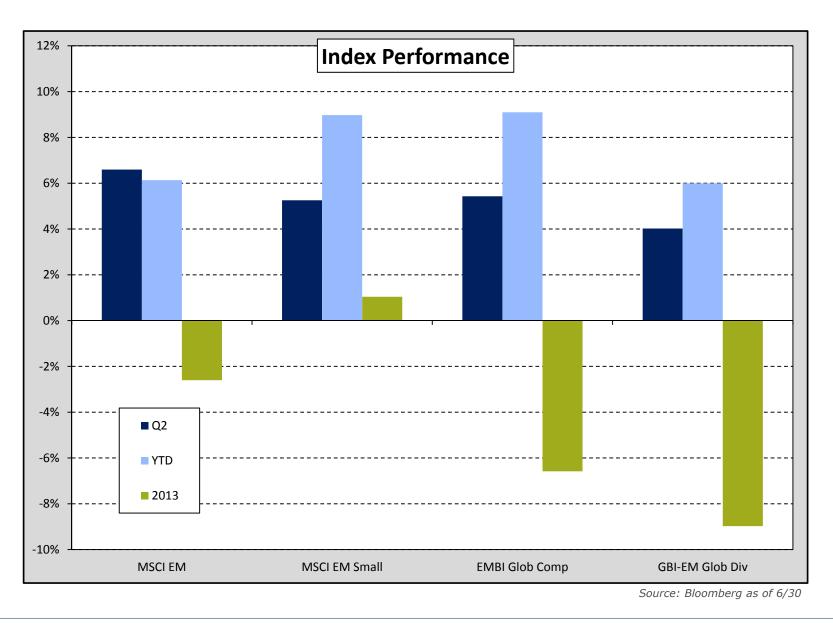
# Spreads Have Tightened to Pre-Crises Levels as Investor Demand Persists



Source: Bloomberg as of 6/30

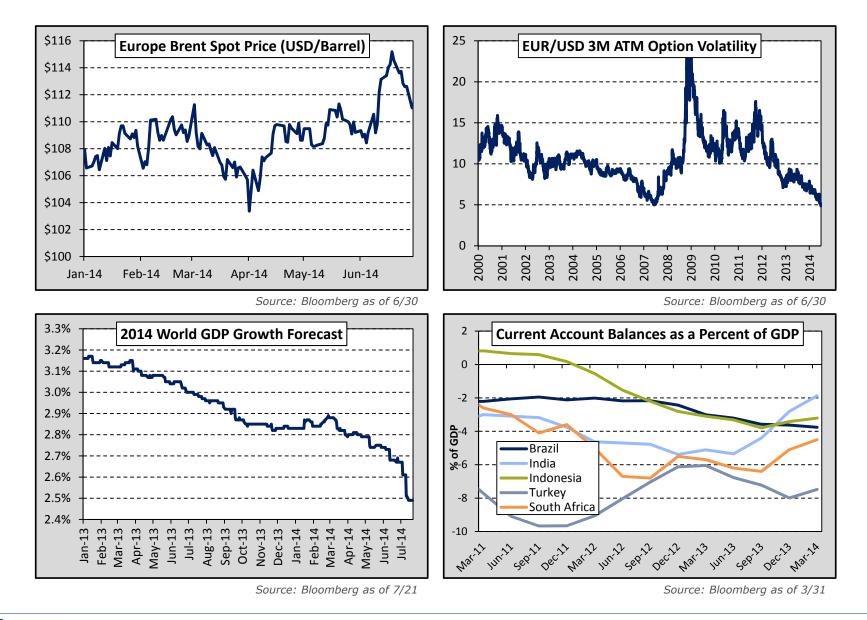


# And Emerging Markets Rebounded Off a Lackluster 2013





### But Significant Macro Uncertainties Loom



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

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

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

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

### • Valuations across many asset classes appear stretched

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

### • NEPC themes remain consistent

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



# Returns for Key Indicies Ranked in Order of Performance

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

# Investment Market Update: As of July 31, 2014

#### PERFORMANCE THROUGH 7/31/2014

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

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

Source: Morningstar Direct



# State Municipal Employees' Retirement System



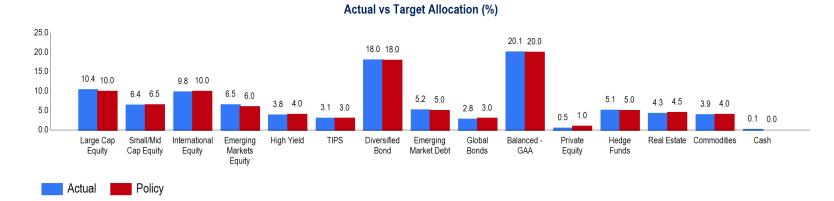
## Total Fund Performance Summary

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

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

#### 5 Years Ending June 30, 2014

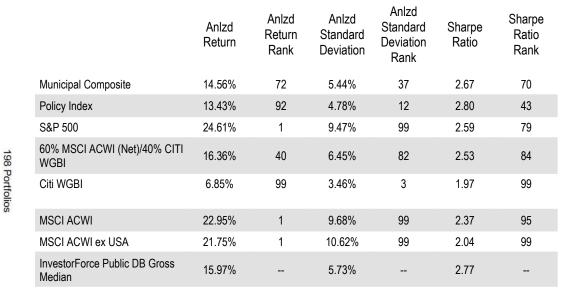
	Anlzd Ret	Rank	Anlzd Std Dev	Rank	Sharpe Ratio	Rank	Sortino Ratio RF	Rank
Municipal Composite	12.68%	39	8.09%	49	1.56	32	2.49	27
Policy Index	10.25%	85	7.56%	36	1.35	86	2.13	70
Allocation Index	10.65%	79	7.78%	39	1.36	84	2.17	63





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

#### 1 Years Ending June 30, 2014

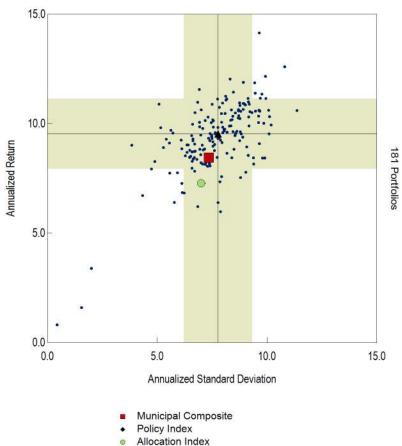


1 Year Ending June 30, 2014

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



3 Years Ending June 30, 2014



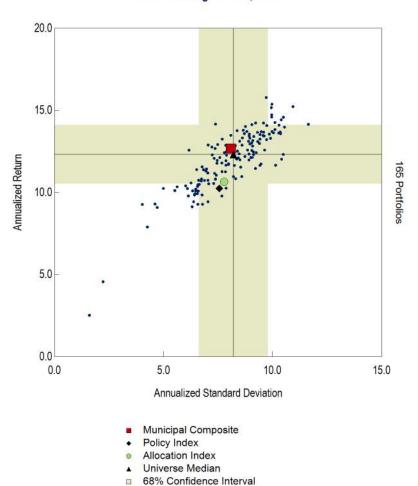
3 Years Er	nding Jun	ie 30, 2014	
	ام ــــــــــــــــــــــــــــــــــــ	A ا ما	Anlzd

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

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



5 Years Ending June 30, 2014



InvestorForce Public DB Gross

•

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

73

--

16.90%

8.21%

99

---

0.65

1.48

11.11%

12.32%

#### 5 Years Ending June 30, 2014



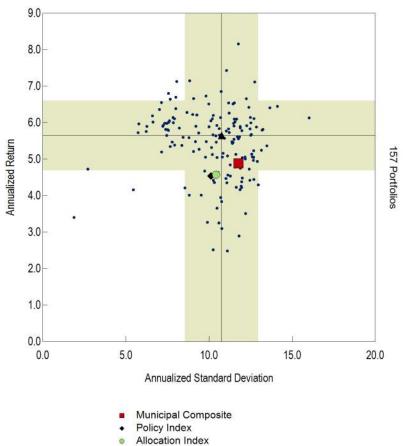
99

Median

MSCI ACWI ex USA

InvestorForce Public DB Gross

#### 7 Years Ending June 30, 2014



7 Yea	rs Ending Ju	une 30, 2014	4
Anlzd	Anlzd	Anlzd	Anlzd Standar

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

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



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

10 Years Ending June 30, 2014

#### 10 Years Ending June 30, 2014

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

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



# Total Fund Asset Allocation vs. Policy Targets

6.6%

6.0%

4.5%

5.4%

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



20.0%

1.0

4.5%

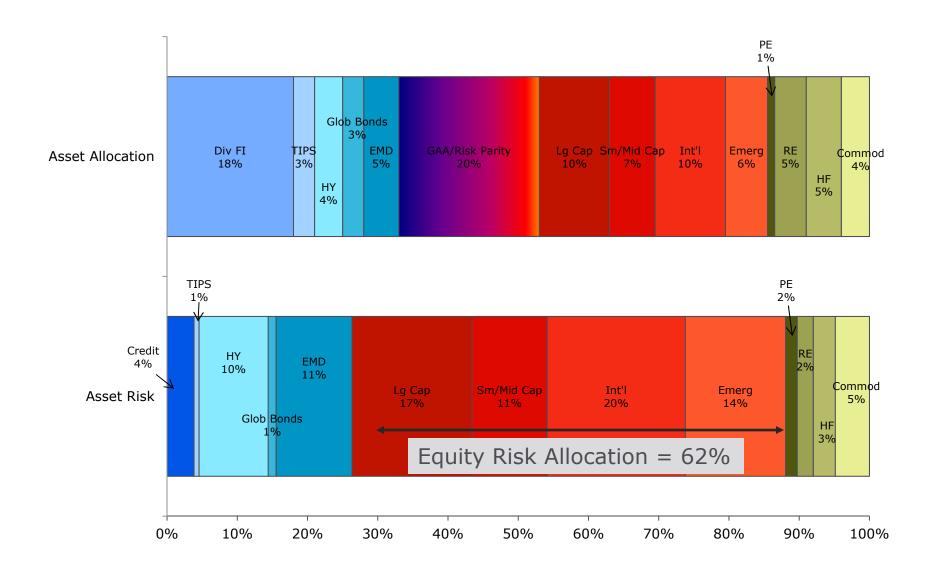
4.0%

20.1%

4.3% 3.9%

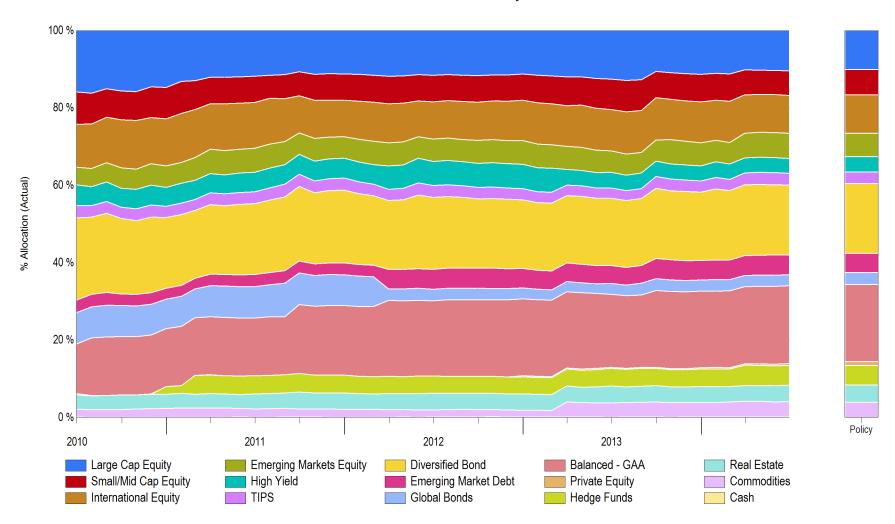
0.1%

### Total Fund Target Allocation vs. Asset Risk





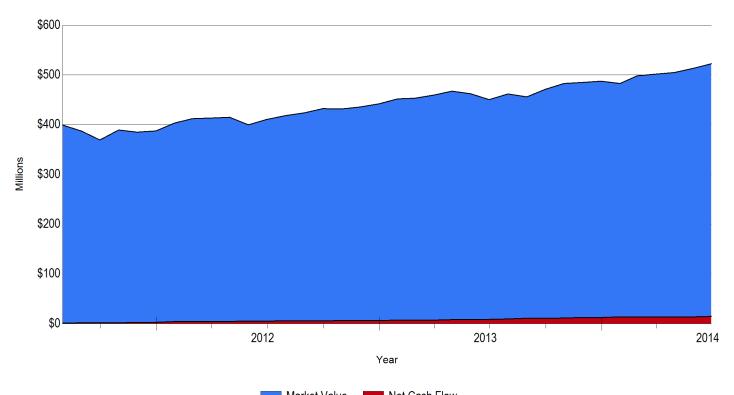
# Total Fund Asset Allocation History



Asset Allocation History



# Total Fund Asset Growth Summary



3 Years Ending June 30, 2014

Market Va

et Value	Net Cash Flow	

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



# Total Fund Asset Growth Summary by Manager

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

# Total Fund Asset Growth Summary by Manager

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



# Total Fund Performance Detail

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

#### Fiscal Year End if 6/30

# Total Fund Performance Detail

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



## Total Fund Performance Detail

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

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



### Total Fund Performance Detail

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

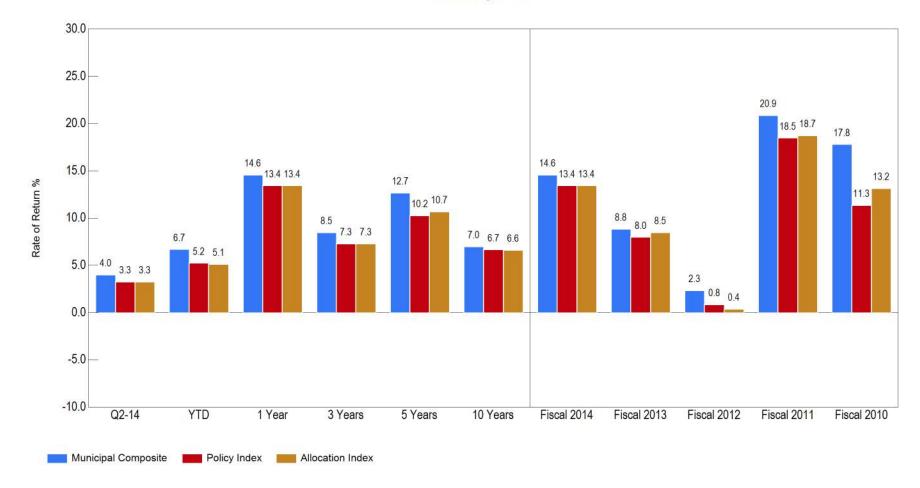
Harbourvest is based on final Capital Account Statements for Q1 2014, and cash adjusted through June for any Capital Calls or Distributions

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

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



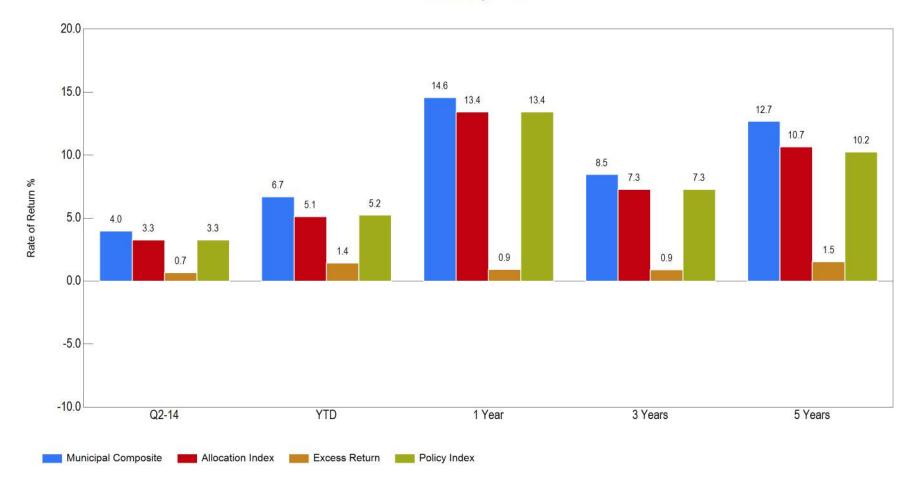
### Total Fund Return Summary



### **Return Summary Gross**



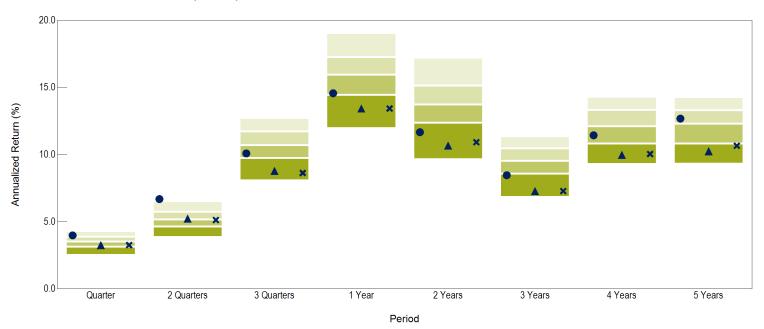
### Total Fund Return Summary



**Return Summary Gross** 



### Total Fund Return Summary vs. Peer Universe

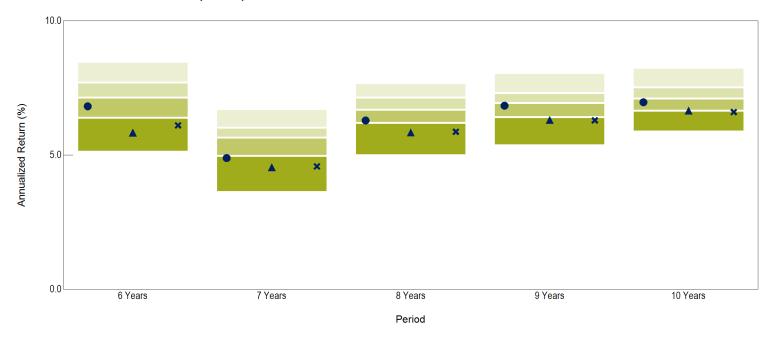


### Municipal Composite vs. InvestorForce Public DB Gross

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



## Total Fund Return Summary vs. Peer Universe

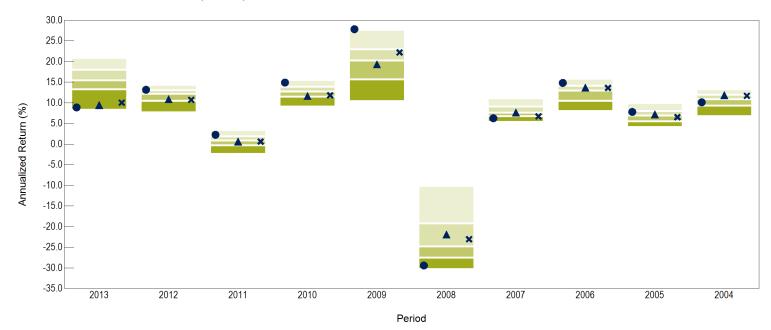


### Municipal Composite vs. InvestorForce Public DB Gross

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



### Total Fund Return Summary vs. Peer Universe

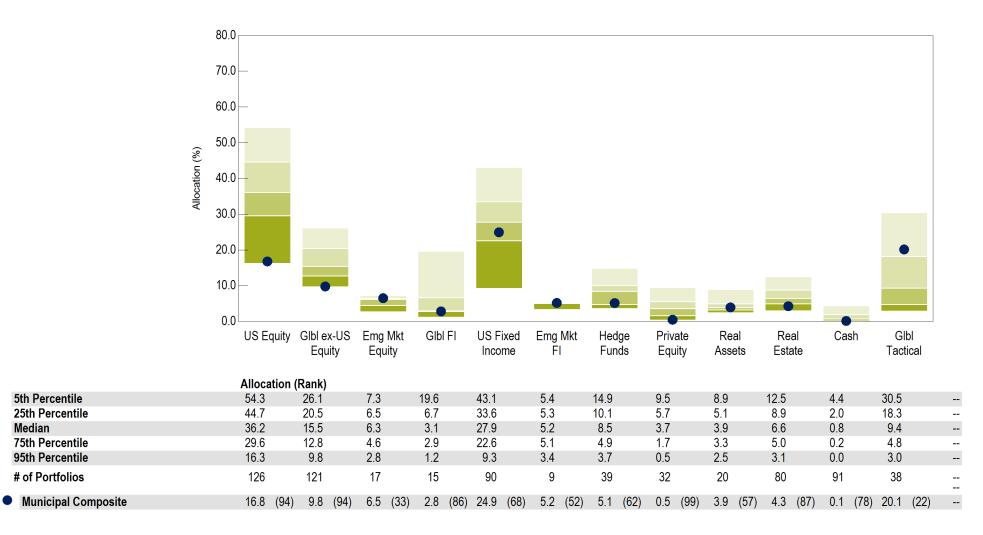


Municipal Composite vs. InvestorForce Public DB Gross

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



### Total Fund Allocation vs. Peer Universe



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



**5th Percentile** 

Median

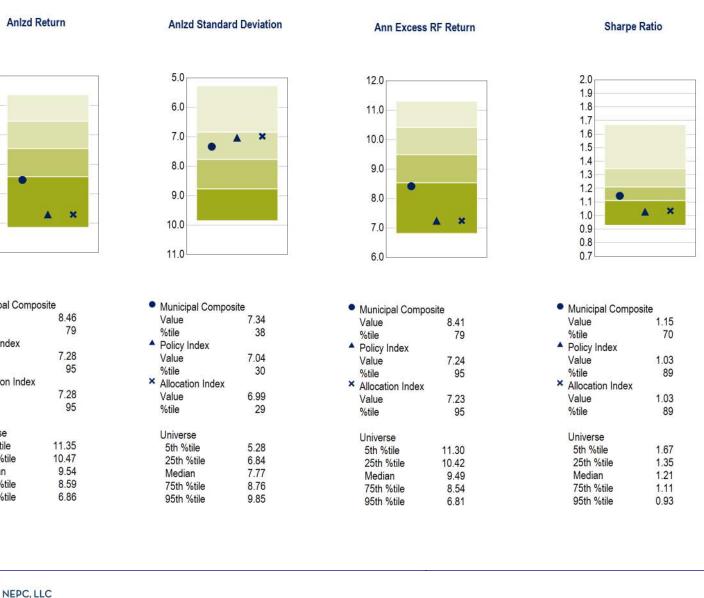
25th Percentile

75th Percentile

95th Percentile

# of Portfolios

### Total Fund Risk Statistics vs. Peer Universe



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

Sortino Ratio RF

×

1.67

1.40

1.37

2.58

1.83

1.61

1.44

1.14

81

80

39

3.1

2.9

2.7

2.5

2.3

2.1

1.9

1.7

1.5

1.3

1.1

0.9

0.7

Value

%tile

Value

%tile

Value

%tile

Universe

5th %tile

Median

25th %tile

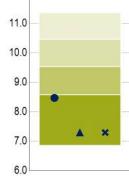
75th %tile

95th %tile

Policy Index

× Allocation Index

Municipal Composite



12.0

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

# Universe

%tile

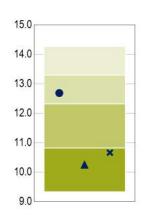
5th %tile 25th %tile Median 75th %tile 95th %tile

LLC		

### Total Fund Risk Statistics vs. Peer Universe

Municipal Composite vs. IFx Public DB Gross 5 Years

Ann Excess RF Return



Anizd Return

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

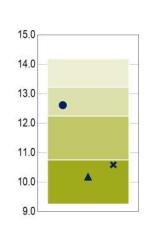
75th %tile

95th %tile

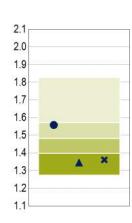
5.0			
6.0			
7.0		12	
8.0	•		×
9.0			
10.0			
11.0			

AnIzd Standard Deviation

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



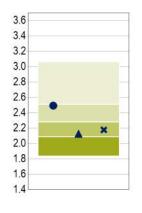
•	Municipal Composite							
	Value	12.61						
	%tile	39						
•	Policy Index							
	Value	10.18						
	%tile	85						
×	Allocation Index							
	Value	10.58						
	%tile	79						
	Universe							
	5th %tile	14.18						
	25th %tile	13.23						
	Median	12.25						
	75th %tile	10.75						
	95th %tile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



Sharpe Ratio

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





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

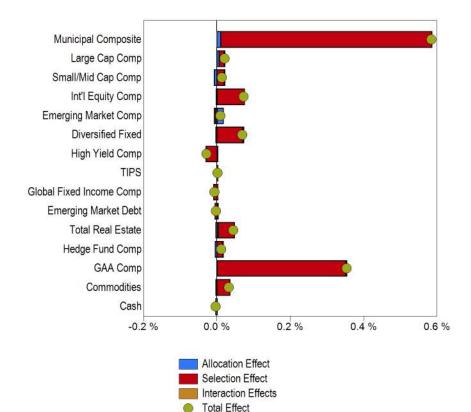


10.83

9.33

### Total Fund Attribution Analysis

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



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

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

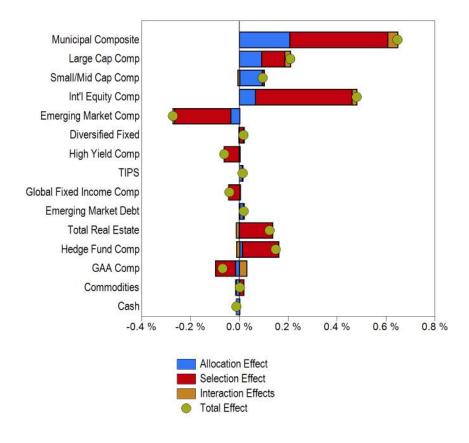
Note: Plan attribution calculations are returns based and the results shown reflect the composites shown. As a result, the total returns shown may vary from the calculated returns shown on the performance report. The target return shown for each composite is a custom index, based on aggregated policy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

May not add up due to rounding.



### Total Fund Attribution Analysis

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



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

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

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

May not add up due to rounding.



# Total Fund Risk Statistics

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

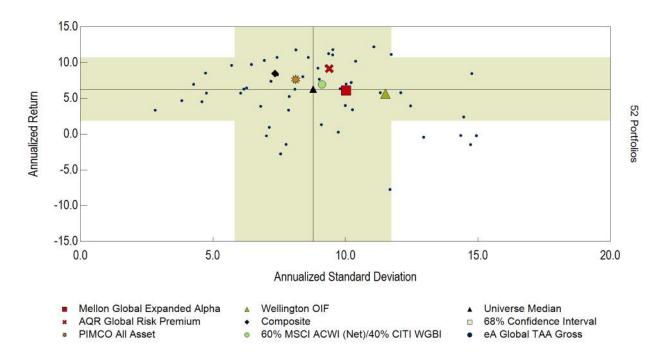


# Total Fund Risk Statistics

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



### Total Global Asset Allocation/Better Beta



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

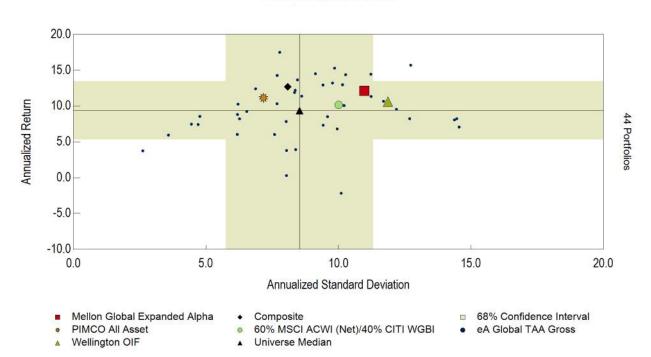
### Statistics Summary

#### 3 Years Ending June 30, 2014

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



### Total Global Asset Allocation/Better Beta



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

### Statistics Summary

### 5 Years Ending June 30, 2014

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



# **VPIC Allocation Comparison**



Total Fund Performance

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



## Total Fund Performance Detail

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

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

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

Fiscal Year End is 6/30



# Total Fund Performance Detail

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



# Total Fund Performance Detail

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



# Total Fund Performance Detail

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

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



# Total Fund Performance Detail

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



# Total Fund Performance Detail

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



## Total Fund Performance Detail

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

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

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

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

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



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



## Total Fund Yearly Performance

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

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

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



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

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

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



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

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

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

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



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



# Manager Characteristics



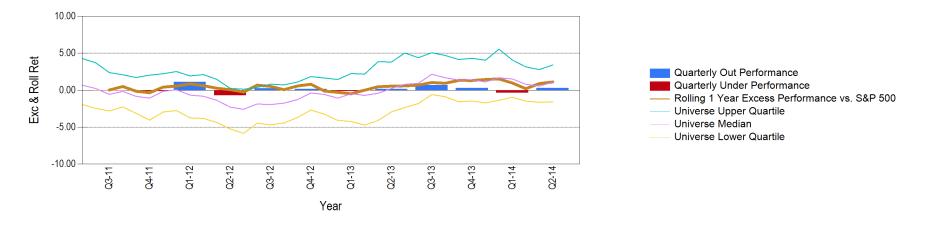
### T. Rowe

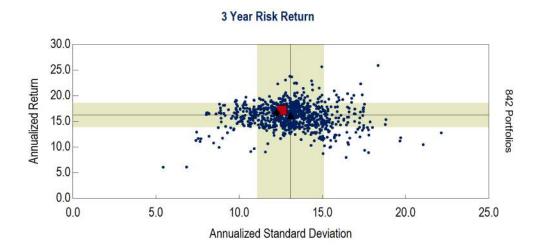
T. Rowe Price employs a fundamental, bottom-up approach to investing in equity assets. The strategy delivers a research portfolio managed by the firm's industry analysts and representing their best ideas. The Structured Research Strategy seeks to provide superior long-term returns and capture the style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



eA US Large Cap Equity Gross Accounts

**Annualized Excess Performance** 





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

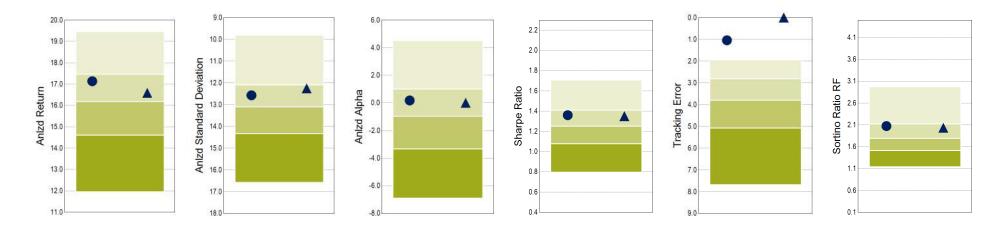


S&P 500 ٠

Universe Median .

68% Confidence Interval 

• eA US Large Cap Equity Gross



### **3 Year Risk Statistics**

### NEPC, LLC

June 30, 2014

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

#### **Characteristics**

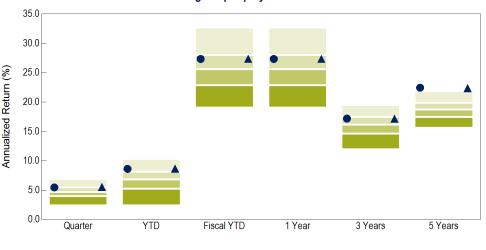
	Portfolio	S&P 500
Number of Holdings	506	501
Weighted Avg. Market Cap. (\$B)	118.4	118.1
Median Market Cap. (\$B)	17.4	17.5
Price To Earnings	21.5	20.4
Price To Book	4.2	3.9
Price To Sales	3.0	2.7
Return on Equity (%)	20.0	18.8
Yield (%)	2.0	2.0
Beta	1.0	1.0
R-Squared	1.0	1.0



eA US Large Cap Equity Gross Accounts

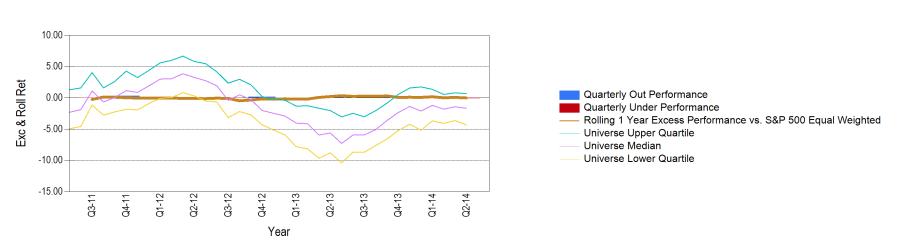


The Strategy is managed using a "passive" or "indexing" investment approach, by which SSgA attempts to match, before expenses, the performance of the Index. SSqA will typically attempt to invest in the securities comprising the Index, in the same proportions as they are represented in the Index. In some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



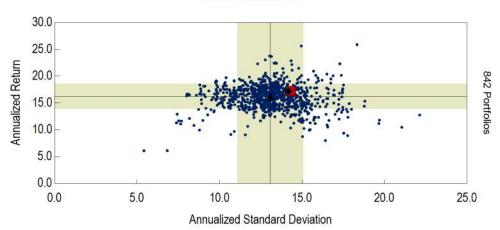
eA US Large Cap Equity Gross Accounts

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

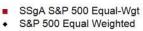




## SSgA S&P 500 Equal-Wgt



3 Year Risk Return



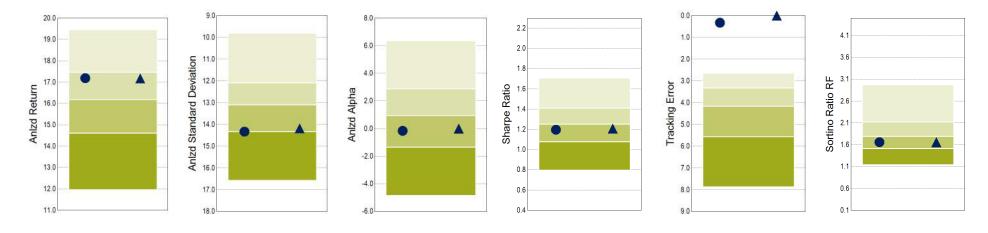
Universe Median

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

#### Characteristics

~ ~ - - - -

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



### **3 Year Risk Statistics**

NEPC, LLC

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

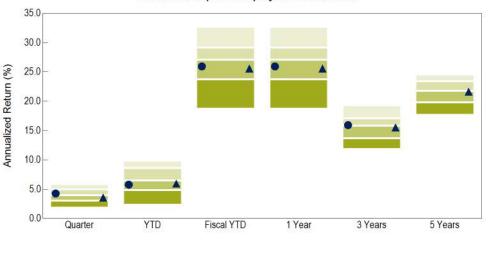
#### **Characteristics**

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



### Champlain

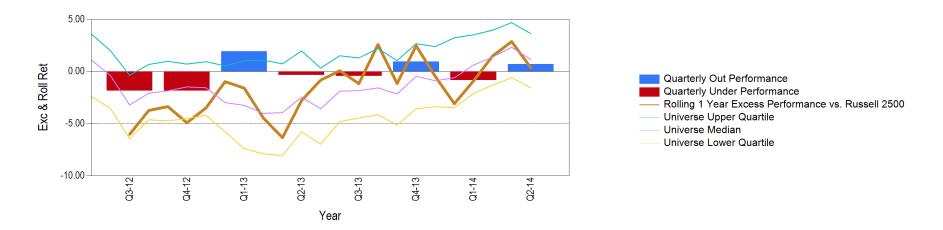
Champlain employs a fundamental, bottom-up approach to investing in equity assets. They believe that superior companies purchased at attractive valuations have the highest probability to wealth creation. Champlain seeks strong businesses with credible and sincere management and aims to buy shares of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

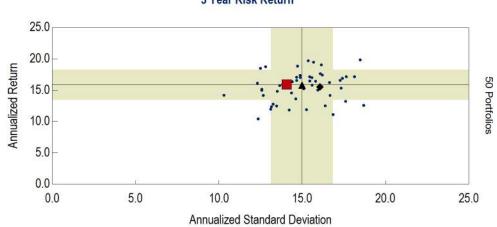


eA US Mid Cap Core Equity Gross Accounts

Champlain A Russell 2500

**Annualized Excess Performance** 





3 Year Risk Return



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

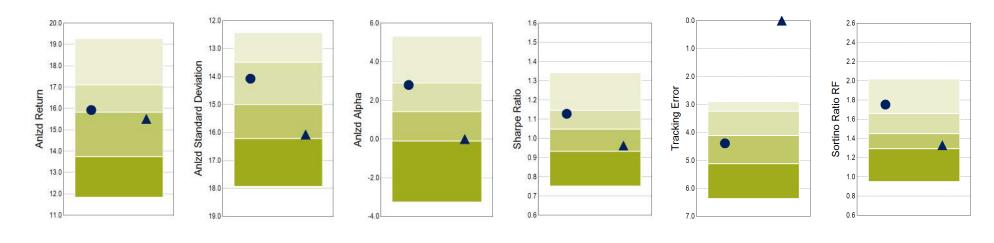


Russell 2500

Universe Median

68% Confidence Interval

eA US Mid Cap Core Equity Gross



### **3 Year Risk Statistics**

### Wellington

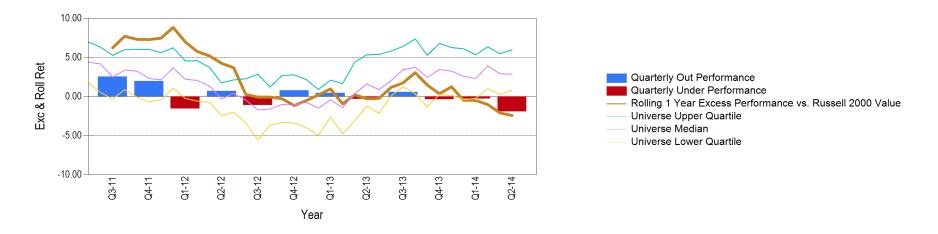
Wellington's investment objective is to seek long-term total returns in excess of the Russell 2000 Value Index by investing in conservatively-valued securities of high-quality, small cap companies. Wellington employ a bottom-up stock selection process that utilizes Wellington Management's proprietary,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



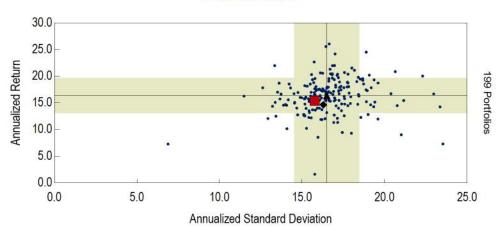
▲ Russell 2000 Value

eA US Small Cap Value Equity Gross Accounts

**Annualized Excess Performance** 







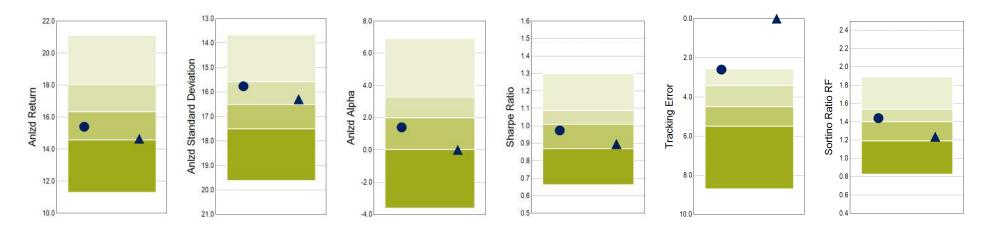
3 Year Risk Return

### Characteristics

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



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



### **3 Year Risk Statistics**

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

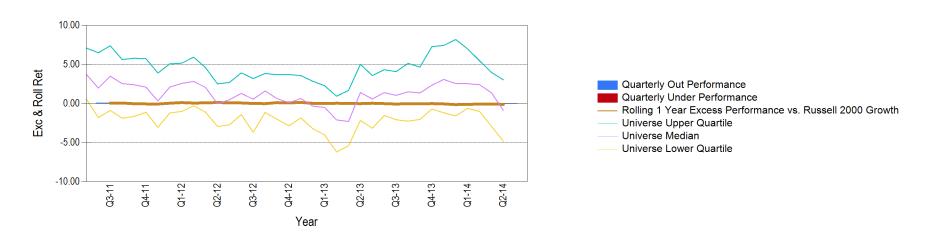
35.0 30.0 25.0 Annualized Return (%) 20.0 15.0 10.0 5.0 0.0 -5 0 -10.0 Fiscal YTD 1 Year 3 Years 5 Years Quarter YTD

▲ Russell 2000 Growth

SSgA Russell 2000 Growth

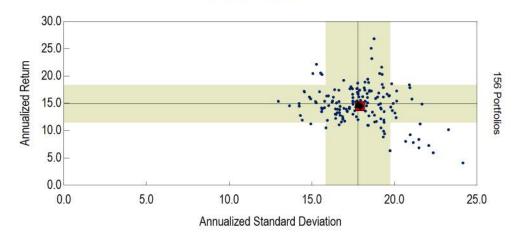
eA US Small Cap Growth Equity Gross Accounts







## SSgA Russell 2000 Growth

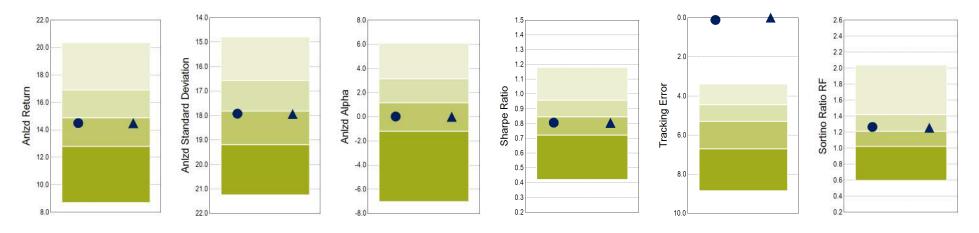


3 Year Risk Return

### Characteristics

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

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



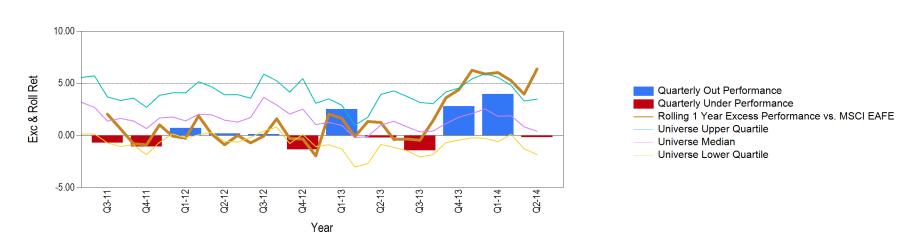
### **3 Year Risk Statistics**

### Acadian

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



eA All EAFE Equity Gross Accounts





16.0

14.0

12.0

10.0

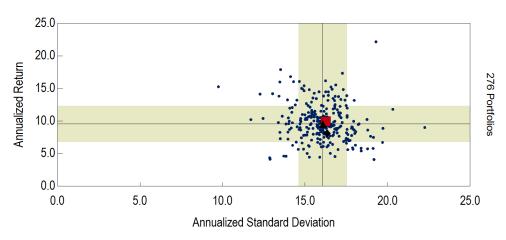
8.0

6.0

4.0

NEPC, LLC

Anlzd Return



#### 3 Year Risk Return

|--|

MSCI EAFE ٠

Universe Median

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



### **3 Year Risk Statistics**

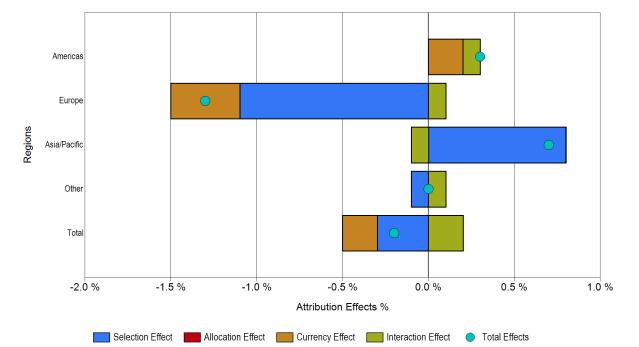
#### Characteristics

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

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

### Country Allocation

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



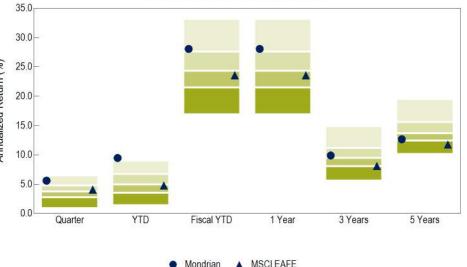
Acadian Performance Attribution vs. MSCI EAFE

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

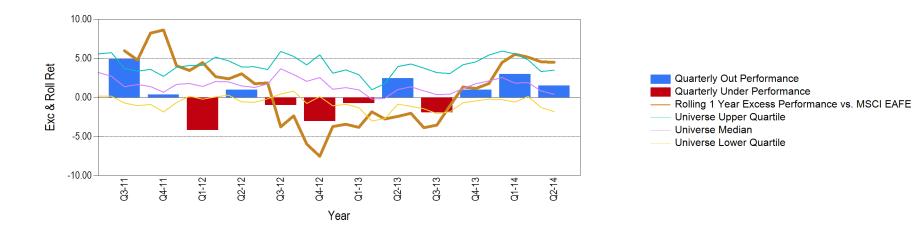


### Mondrian

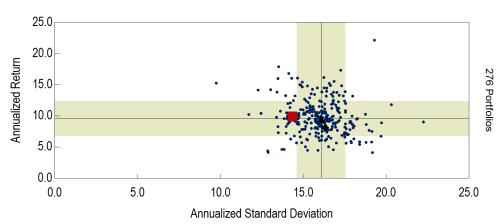
The firm is an active value-oriented defensive manager. The firm's value driven investment philosophy is based on the belief that investments need to be evaluated in terms of their fundamental long-term value. The firm believes that the value of a company lies in its future income stream as dividends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



eA All EAFE Equity Gross Accounts







#### 3 Year Risk Return

#### Characteristics

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

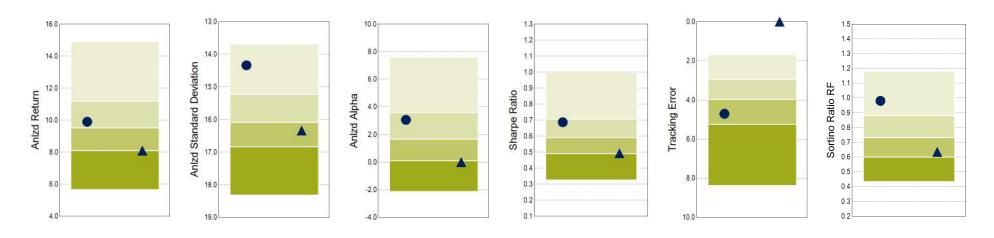


MSCI EAFE

Universe Median

68% Confidence Interval

• eA All EAFE Equity Gross

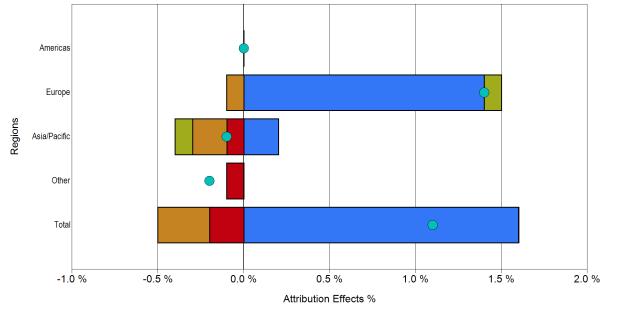


### **3 Year Risk Statistics**

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

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





#### Mondrian Performance Attribution vs. MSCI EAFE

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

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



## SSgA ACWI Ex US

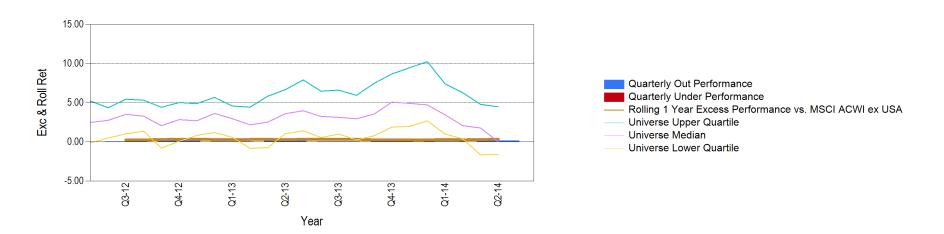
The MSCI ACWI ex US Index Strategy tends to hold each security that is held in the benchmark index, but the strategy will not be perfectly weighted in every index constituent on a daily basis. Holding securities in the perfect weights would require increased trading and therefore would incur costs. Thus,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

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

▲ MSCI ACWI ex USA

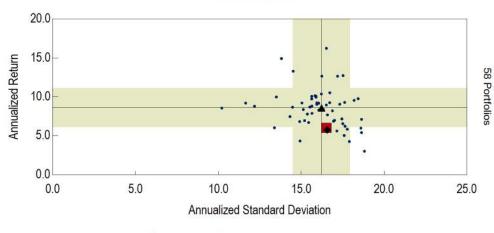
SSgA ACWI Ex US

eA ACWI ex-US All Cap Equity Gross Accounts





## SSgA ACWI Ex US



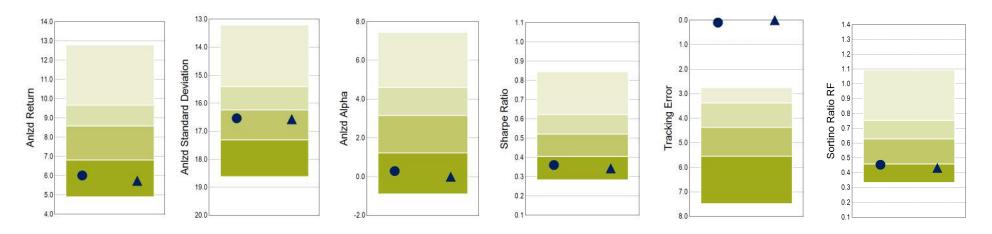
3 Year Risk Return

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

### Characteristics

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

### **3 Year Risk Statistics**

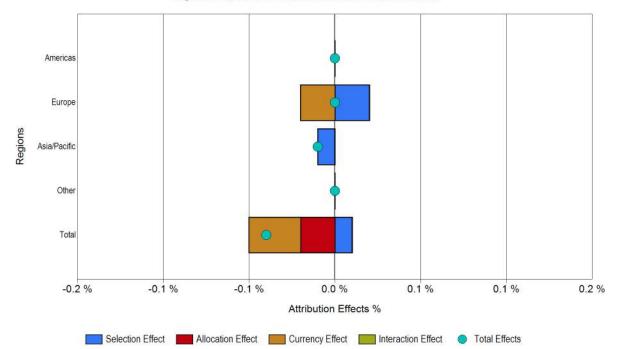


# SSgA ACWI Ex US

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

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





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

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

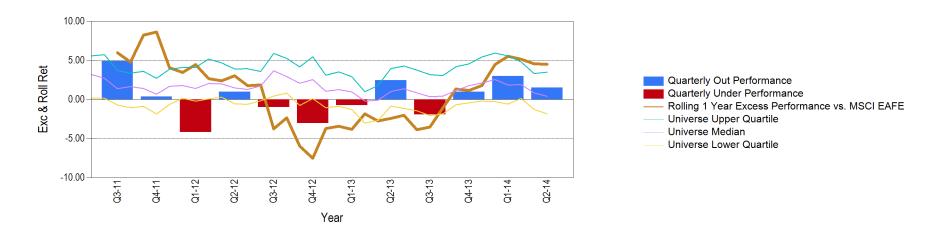
### Aberdeen

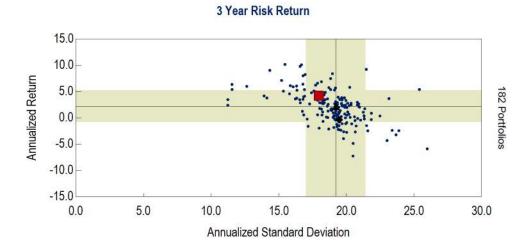
Aberdeen believes, given the inefficiency of markets, that competitive long-term returns are achieved by identifying high quality stocks at attractive valuations and holding for the long term. It is their belief that sound fundamentals drive stock prices over time. They employ a fundamental bottom-up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



eA Emg Mkts Equity Gross Accounts

**Annualized Excess Performance** 

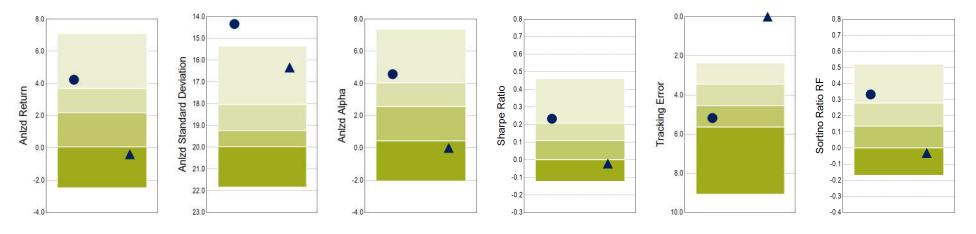




- Aberdeen
- MSCI Emerging Markets Universe Median ٠
- .
- 68% Confidence Interval
- eA Emg Mkts Equity Gross

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



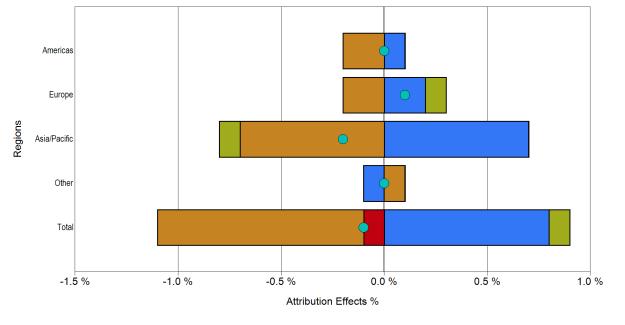


### Characteristics

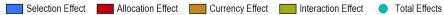
	Country Alloc Manager	Index	Manager	Index
	Allocation (USD) Allo	cation (USD)	Return (USD)	Return (USD)
Americas				
Brazil*	15.1%	11.0%	7.0%	7.8%
Chile*	1.3%	1.6%	17.6%	2.9%
Mexico*	8.3%	5.1%	3.8%	6.5%
United States	1.3%	0.0%	8.2%	5.1%
Total-Americas	26.0%	19.3%	6.6%	7.1%
Europe				
Hungary*	1.6%	0.2%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

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





Aberdeen Performance Attribution vs. MSCI Emerging Markets

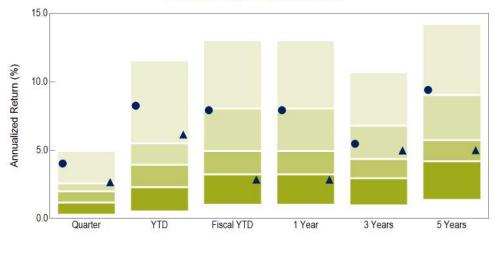


	Returns and Weights			Attribution Effects					
	Manager Return	Index Return	Manager Weight	Index Weight	Selection Effect	Allocation Effect	Currency Effect	Interaction Effect	Total Effects
Totals									
Americas	6.6%	7.1%	26.0%	19.3%	0.1%	0.0%	-0.2%	0.0%	0.0%
Europe	7.0%	6.6%	14.0%	8.1%	0.2%	0.0%	-0.2%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



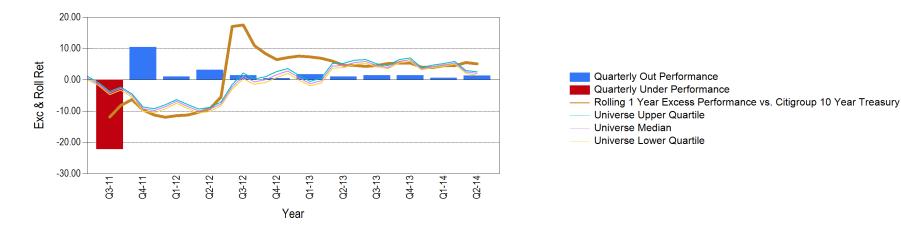
## Allianz Structured Alpha

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

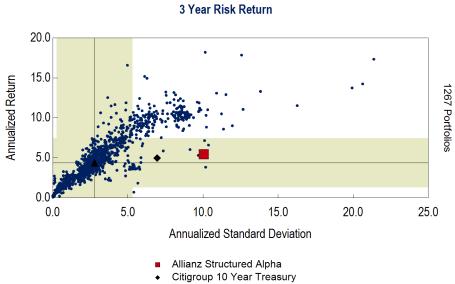


eA All US Fixed Inc Gross Accounts

Allianz Structured Alpha
 Citigroup 10 Year Treasury

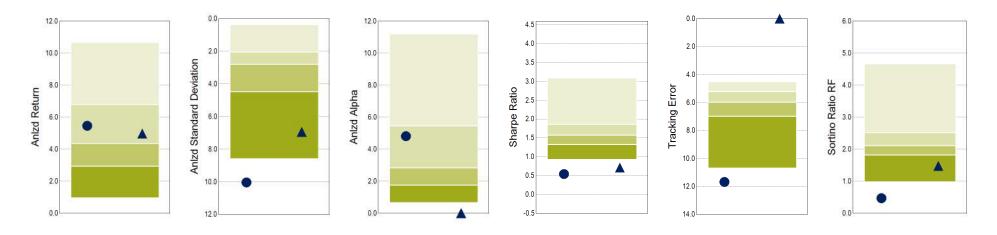






- ▲ Universe Median
- 68% Confidence Interval
- eA All US Fixed Inc Gross

### **3 Year Risk Statistics**



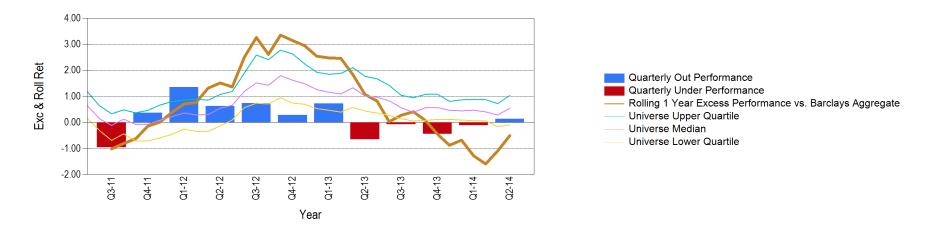
### PIMCO Core Plus

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



eA All US Fixed Inc Gross Accounts

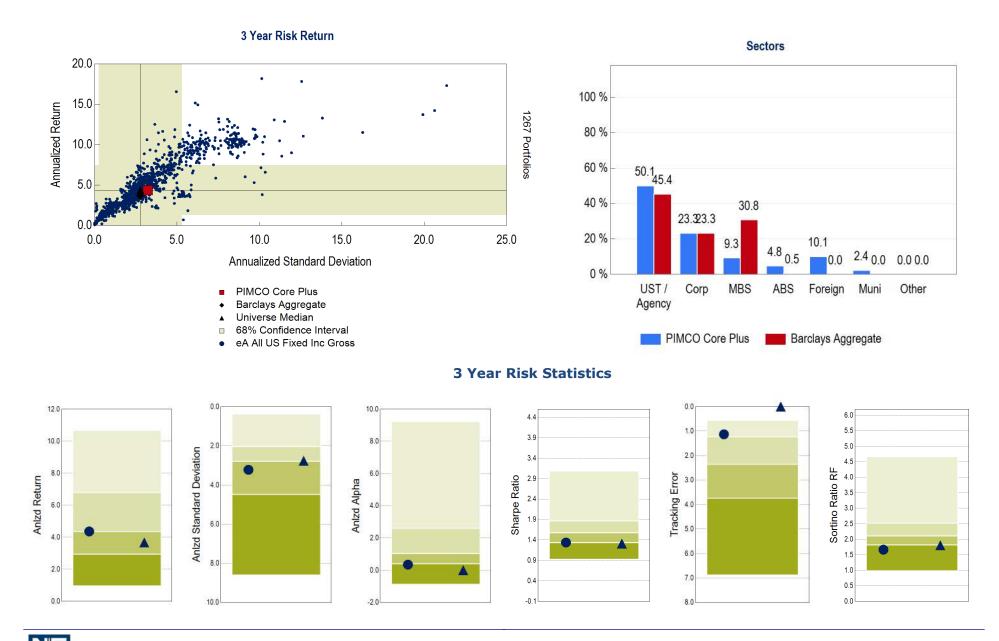
**Annualized Excess Performance** 



NE NEPC, LLC

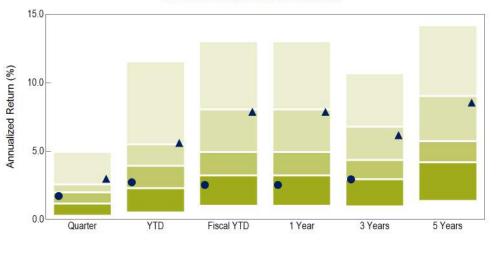
## PIMCO Core Plus

NEPC, LLC



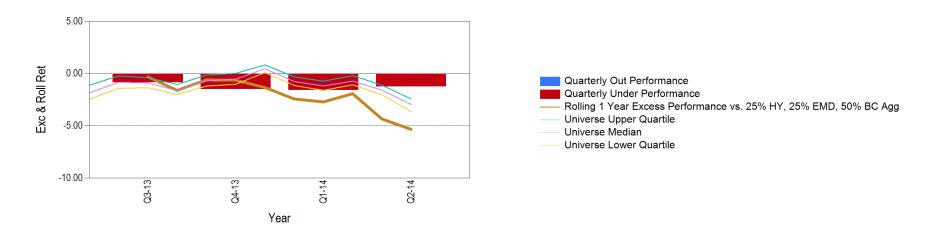
### PIMCO Unconstrained

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

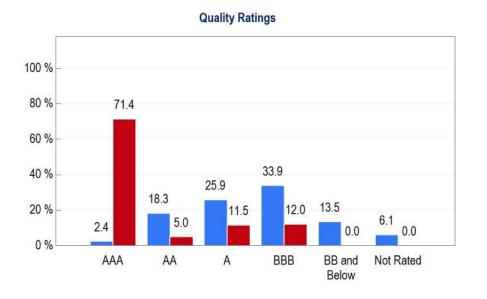


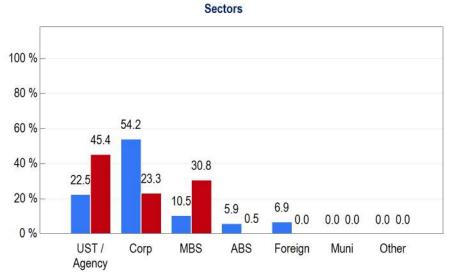
eA All US Fixed Inc Gross Accounts

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









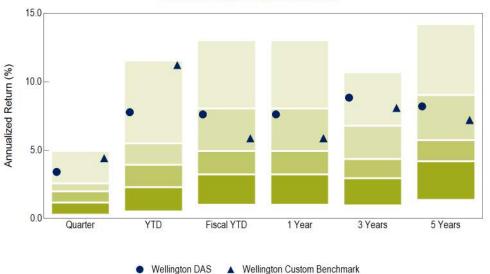


Barclays Aggregate

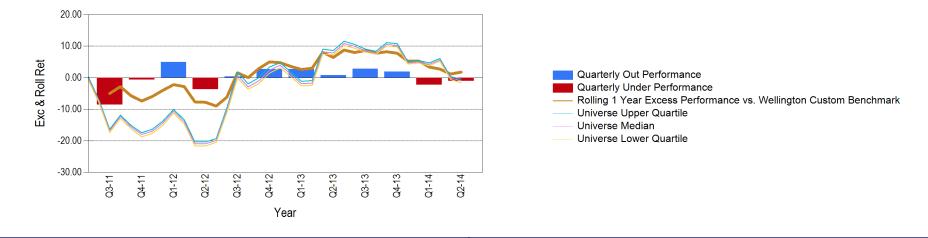


### Wellington DAS

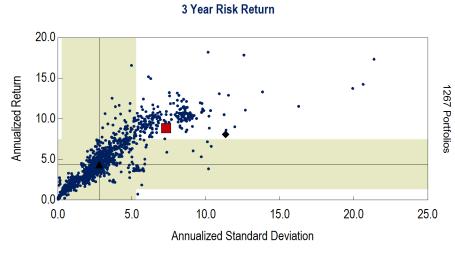
The objective of the Diversified Alpha Strategies - Absolute Return (DAS) Portfolio is to provide positive absolute returns over cash or other market exposure (beta) over rolling 3-year periods with expected volatility of 3 to 6%. The DAS Portfolio aims to provide consistent returns by investing in diverse,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



eA All US Fixed Inc Gross Accounts

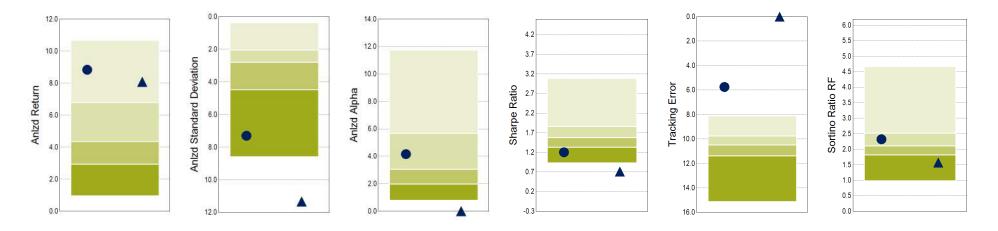






- Wellington DAS
- Wellington Custom Benchmark
- Universe Median
- 68% Confidence Interval
- eA All US Fixed Inc Gross

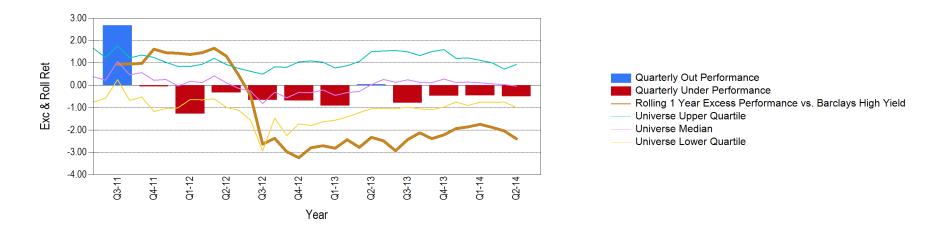
**3 Year Risk Statistics** 



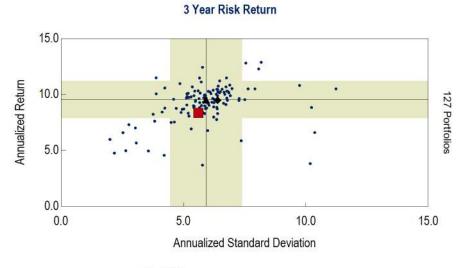
KDP believes that the key to delivering superior risk-adjusted returns lies in controlling credit risk. To do this the firm combines rigorous, bottom-up credit analysis with an active, top-down management approach that ensures a strong overall credit profile and broad portfolio diversification. KDP employs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



eA US High Yield Fixed Inc Gross Accounts

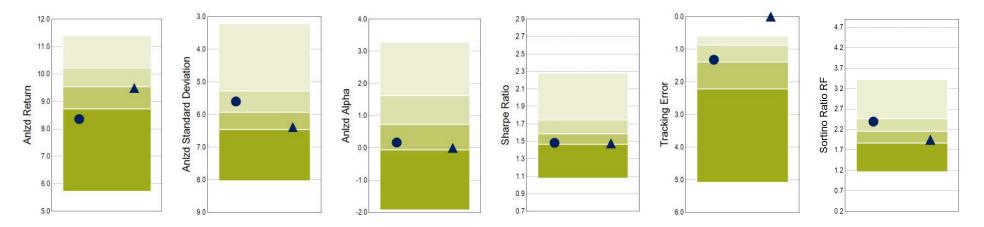






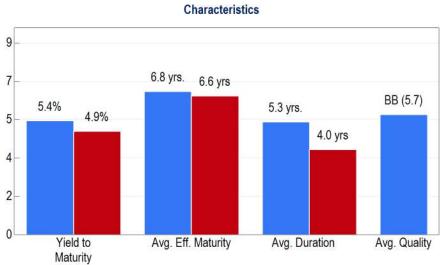
- KDP
- Barclays High Yield
- ▲ Universe Median
- 68% Confidence Interval
- eA US High Yield Fixed Inc Gross

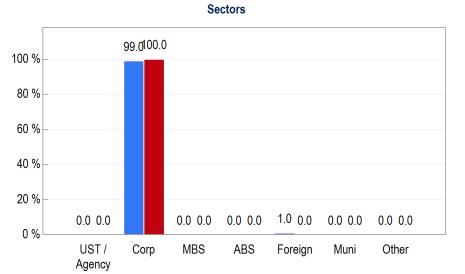
**3 Year Risk Statistics** 



## NE NEPC, LLC

KDP









## BlackRock TIPS

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

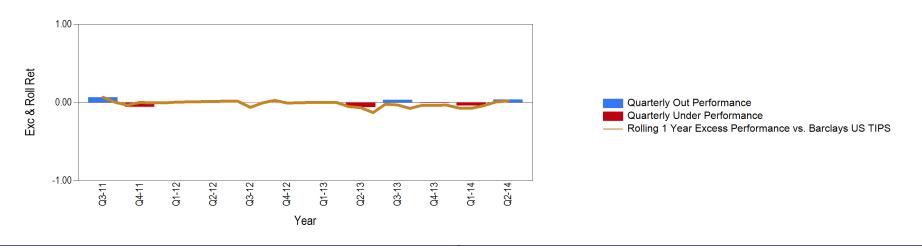
10.0 5.0 5.0 Quarter YTD Fiscal YTD 1 Year 3 Years 5 Years

▲ Barclays US TIPS

BlackRock TIPS

eA TIPS / Infl Indexed Fixed Inc Gross Accounts

**Annualized Excess Performance** 





# BlackRock TIPS

8.0

7.0 6.0

5.0

4.0 3.0

2.0 1.0

0.0

0.0

Annualized Return

3 Year Risk Return

Annualized Standard Deviation

10.0

.

٠

۸

5.0

BlackRock TIPS

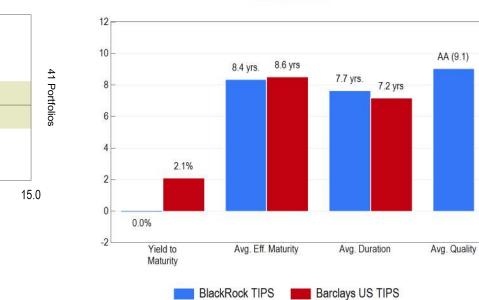
Barclays US TIPS

Universe Median

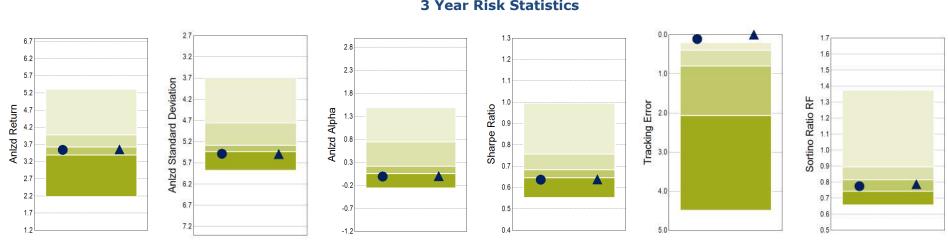
68% Confidence Interval

• eA TIPS / Infl Indexed Fixed Inc Gross

٠ 14,



#### Characteristics



## **3 Year Risk Statistics**

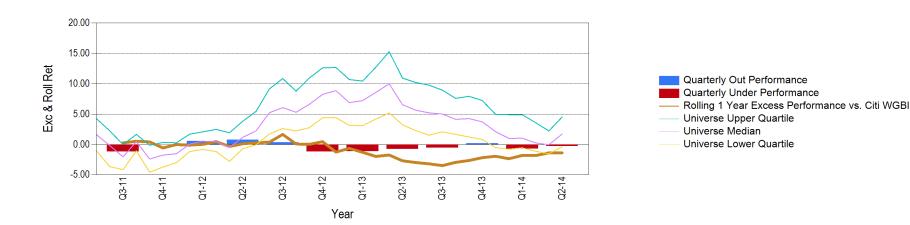


## Mondrian GFI

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

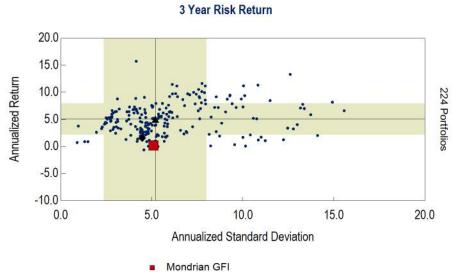


eA All Global Fixed Inc Gross Accounts



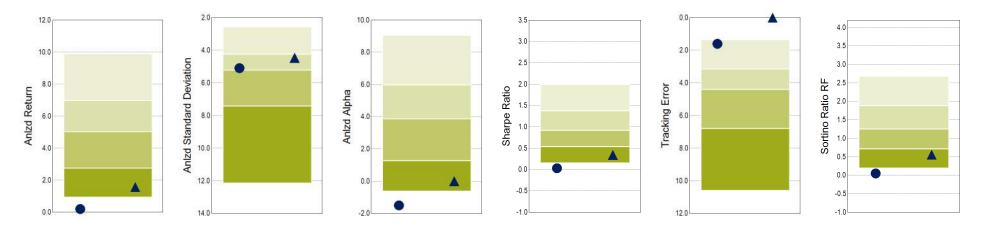
#### **Annualized Excess Performance**

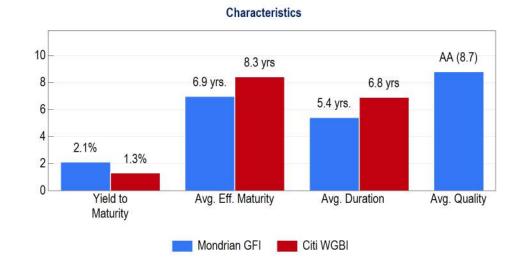


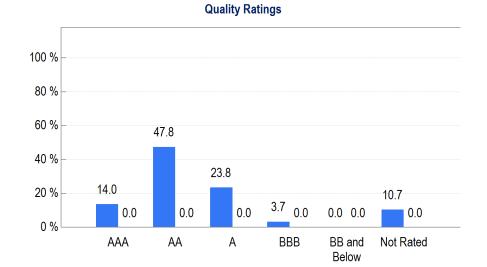


- Citi WGBI ٠
- Universe Median .
- 68% Confidence Interval
- eA All Global Fixed Inc Gross .

**3 Year Risk Statistics** 









Sectors



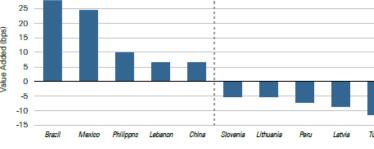
June 30, 2014

# Wellington Opportunistic Emerging Market Debt

#### **Portfolio Statistics**

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

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



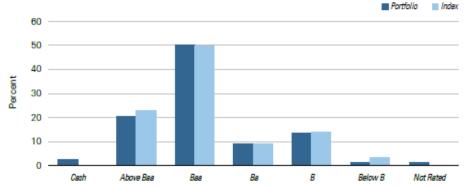
Top/Bottom 5 Country Contributors to Portfolio Alpha



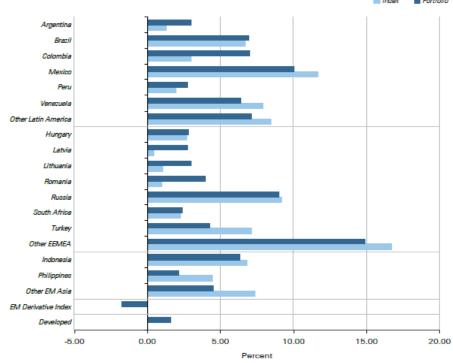
Country Weights represents Market Exposure

Index Portfolio

#### **Quality Distribution**



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



Source: Wellington Management



June 30, 2014

## Wellington Opportunistic Emerging Market Debt

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

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

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

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



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

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

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

#### **Performance & Attribution**

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

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

Source: Mellon Capital Management

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



# Mellon Global Expanded Alpha I (Global Asset Allocation)

## Market Exposures

## Equity Exposure

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

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

### Commodity and Cash Exposure

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

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

Source: Mellon Capital Management



# PIMCO All Asset

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

Source: PIMCO



income.

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

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

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

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

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

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

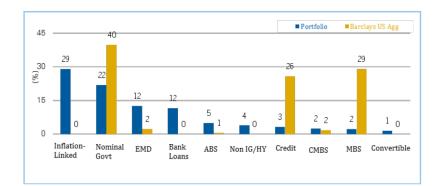


# Wellington Opportunistic Fixed Income

#### Characteristics

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

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



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



#### **Regional Allocation**

#### Source: Wellington

DM Inflation-Linked Bonds EMD . Opportunistic

Tactical ideas & Cash

EM Inflation-Linked Bonds

Peripheral European Bonds

Government Relative Value Long/Short Credit Bank Loans



100

50

0

-50

(value added, bps)

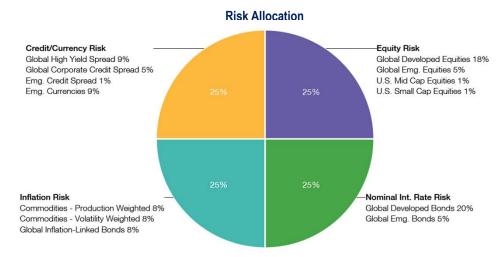
## Wellington OIF

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

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



# AQR Global Risk Premium Fund



#### Estimated Exposure Breakdown

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

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

Long Exposure (% of NAV)

Source: AQR



## AQR Global Risk Premium Fund

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

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

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

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

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

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

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

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

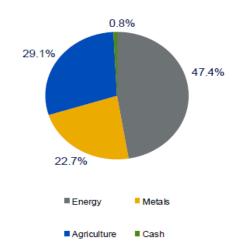


# Schroder Commodity

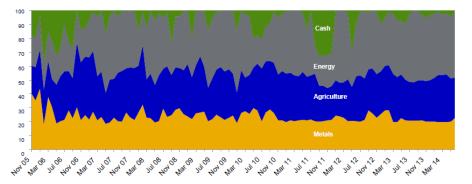
			Futures	Equities	ETF/Swaps	Total Exposure
		Crude Oil	29.7			29.7
		Gas Oil	2.4			2.4
<b>F</b>	47.4%	Gasoline	4.5			4.5
Energy	41.470	Heating Oil	2.8			2.8
		Natural Gas	5.4	2.6		8.0
		Coal				
		Aluminum	1.8			1.8
		Соррег	1.9			1.9
			0.6			0.6
		Nickel	1.5			1.5
Metals	22.7%					
metals	22.170		0.8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

### Sector Exposure





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



Metals ■Agriculture ■Energy ■Cash

Source: Schroder



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

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

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

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

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

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

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

-The Schroders universe is comprised of over 60 commodities.

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



## Morgan Stanley Prime Property

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

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

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

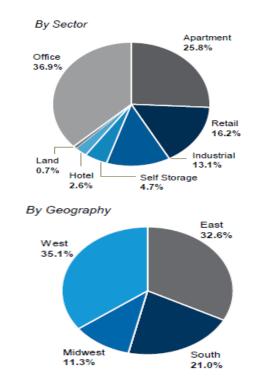
-Employment of these strategies have helped PRIME deliver strong relative returns including outperforming the NFI-ODCE benchmark over the trailing 1-year, 3-year, 5-year and 10-year periods

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

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

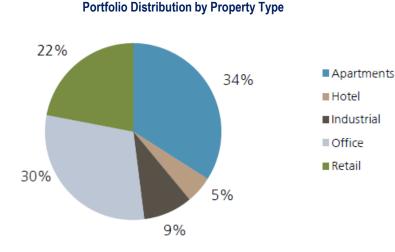
### Geographic Region Returns (4)(5)

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



## UBS Trumbull Property Fund

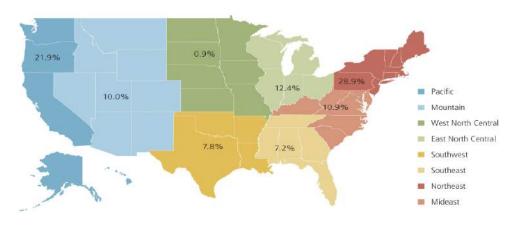
The UBS Trumbull Property Fund (UBS-TPF) is an actively managed core portfolio of equity real estate. The Fund seeks to provide attractive returns while limiting downside risk. The Fund has both relative and real return objectives. Its relative performance objective is to outperform the NFI-ODCE index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



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

**Key Statistics** 

**Distribution by Geographic Division** 



#### Source: UBS Realty Investors

## Real Estate - RREEF America REIT III

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

#### Investment Summary

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

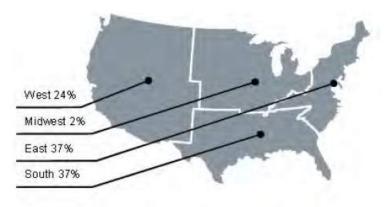
#### Property Information

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

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

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

#### Geographic Location



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

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

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

Source: Deutsche Asset and Wealth Management



# Grosvenor Institutional Partners, LP

HFRI Fund of Funds Composite Index

Grosvenor Institutional Partners, LP

Grosvenor Capital Management, LP

Benchmark 1 (BM1):

E

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

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



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

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

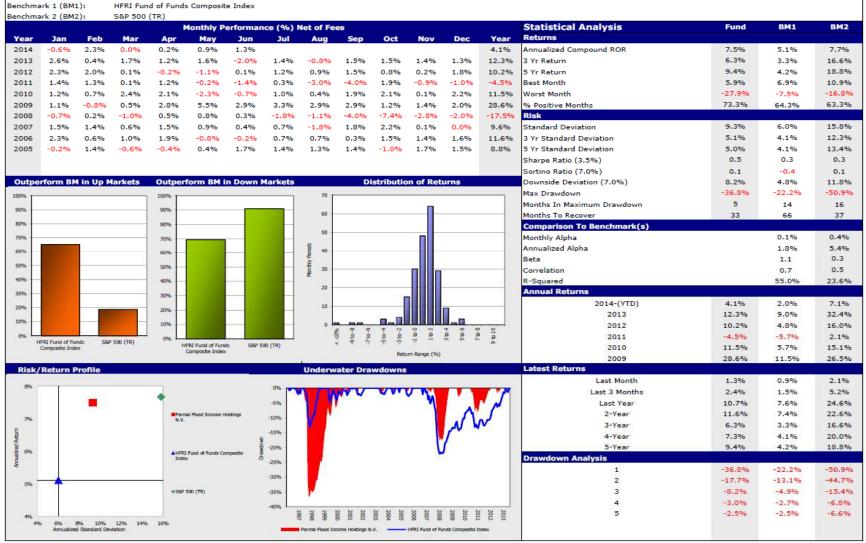
-Grosvenor follows a conventional portfolio construction process which begins by setting investment objectives -returns, volatility and correlation estimatesand strategy constraints and manager limits. Concurrently, the investment committee outlines its broad investment themes in the context of a bigger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



# Permal Fixed Income Holdings N.V.

Permal Fixed Income Holdings N.V.

Permal Group Ltd.



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



## Permal Fixed Income Holdings

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

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



# GAM U.S. Institutional Diversity

HFRI Fund of Funds Composite Index

GAM U.S. Institutional Diversity

GAM London Limited

Benchmark 1 (BM1):

N	E
Ρ	С

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

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



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

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

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







## Glossary of Terms

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

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

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

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

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

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

#### Formula:

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

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

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

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

#### Formula:

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

#### Formula:

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

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

#### Formula:

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

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

#### Formula:

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

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

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

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

Data Source: InvestorForce



## Reporting Methodology

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



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

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



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

