### MERCED COUNTY EMPLOYEES' RETIREMENT ASSOCIATION

### **INVESTMENT PERFORMANCE REPORT**

#### **FIRST QUARTER 2015**



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#### Capital Market Review

First Quarter 2015

- In the US, although the Federal Reserve removed the word "patient" from its statement, a data dependent Federal Reserve in
  no rush to tighten offset worries over the effects of declining oil prices on the energy sector. As a result, the S&P 500 rose
  1.0% during the first quarter.
- The European Central Bank officially began purchasing sovereign debt under its quantitative easing program. This helped boost Europe ex-UK equities 5.5% during the first quarter.
- The euro fell 11.2% versus the dollar during the first quarter, driven by monetary policy divergence.
- Despite fears of rising defaults in the energy sector, lower-rated corporate bonds (BAA) rose 2.3% during the first quarter.
- The MSCI Emerging Markets Net Return Index rose 2.2% during the first quarter, driven by strong performance in emerging Asia.
- The State Street Investor Confidence Index® (ICI) measures risk appetite by analyzing buying and selling patterns of
  institutional investors. With confidence rising among North American institutions, the Global ICI rose 17.9 points during the
  quarter to 120.1, remaining above the neutral level of 100.
- For the period ending 3/31/15, the one quarter returns for the NAREIT Equity index and the NCREIF Property index (one quarter lag), are 4.8% and 3.0%; one-year, 24.0% and 11.8%; three-year, 14.2% and 11.1%; and five-year, 15.7% and 12.1%, respectively.
- The ratio of the S&P 500 price-to-earnings multiple to the REIT Adjusted Funds From Operations ("AFFO") forward multiple declined to 0.70 from 0.73 the prior month. The historical average is 1.2.
- REIT dividend yields were 3.4% at the end of March. With the ten-year Treasury yield at 1.9%, the REIT dividend yield spread widened to 151 basis points, compared to the long-term average of 109 basis points.



#### **Equity Markets**

	QTR	1 Year	3 Year
S&P 500	1.0	12.7	16.1
Dow Jones Industrial Average	0.3	10.6	13.2
NASDAQ	3.5	16.7	16.6
Russell 1000	1.6	12.7	16.4
Russell 2000	4.3	8.2	16.3
Russell 3000	1.8	12.4	16.4
MSCI EAFE (Net)	4.9	-0.9	9.0
MSCI Emerging Markets (Net)	2.2	0.4	0.3
MSCI AC World ex US (Net)	3.5	-1.0	6.4

#### **Bond Markets**

<u>QTR</u>	1 Year	3 Year
1.6	5.7	3.1
1.8	5.9	3.4
1.7	5.3	3.5
2.5	2.0	7.5
-4.4	-9.8	-3.3
	1.6 1.8 1.7 2.5	1.6 5.7 1.8 5.9 1.7 5.3 2.5 2.0

#### **Non-Public Markets**

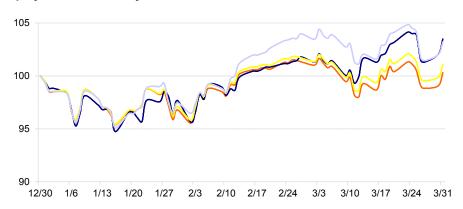
lagged quarterly

	<u>QTR</u>	<u>1 Year</u>	<u>3 Year</u>
NCREIF Property	3.0	11.8	11.1
State Street Private Equity Index	N/A	N/A	N/A

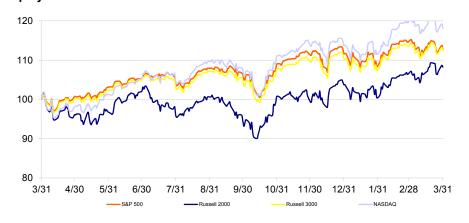
### **U.S. Equity Market**

- U.S. equities, as measured by the S&P 500 total return index, rose 1.0% during the quarter as labor market conditions improved and the Federal Reserve said that it would remain "patient" with respect to interest rate normalization.
- Given the strength of the U.S. dollar, small caps outperformed. The Russell 2000 index rose 4.3% in the first quarter, boosted by small caps more domestic focus.

#### **Equity Index – Quarterly Growth Rate**



#### **Equity Index – 1-Year Growth Rate**

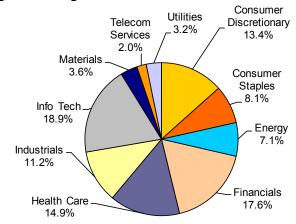




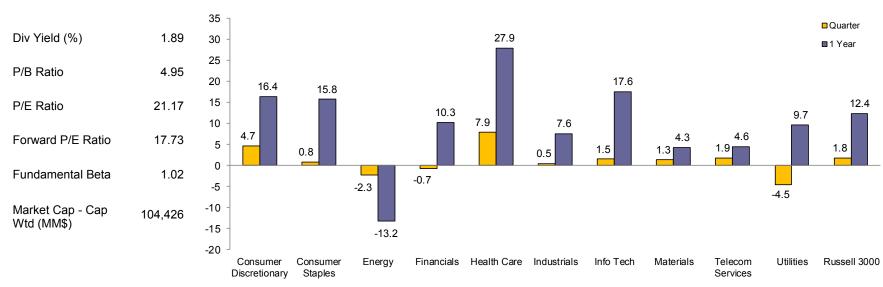
### U.S. Equity - Russell 3000

- Consumer discretionary and healthcare outperformed in the U.S., with the former returning 4.7% in the first quarter and latter returning 7.9%.
- The energy sector fell 2.3% in the first quarter, driven by the low price of oil.
- Overall, the Russell 3000 index rose 1.8% in the first quarter; the yearly return was 12.4%.

#### **Ending Sector Weights**



# Characteristics Sector Returns (%)



#### **Contribution to Return:**

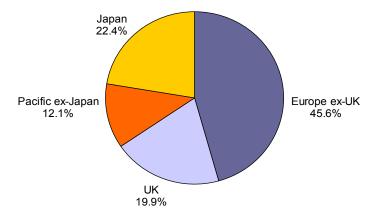
Qtr	0.6	0.1	-0.2	-0.1	1.1	0.1	0.3	0.0	0.0	-0.1	1.8
1 Year	2.1	1.3	-1.2	1.8	3.6	0.9	3.2	0.2	0.1	0.3	12.4



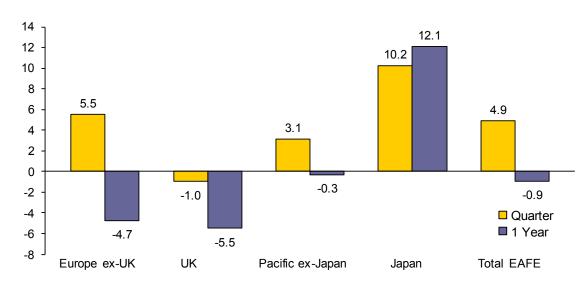
### **Developed Equity – MSCI EAFE (Net)**

#### **Ending Regional Weights**

- The start of sovereign quantitative easing by the European Central bank helped boost Europe ex-UK equities by 5.5% in the first quarter.
- In Japan, equities rose 10.2% in the first quarter as its economy exited recessionary territory.
- Overall, the MSCI EAFE index rose 4.9% in the first quarter.



#### Regional Returns (%)



#### **Contribution to Return:**

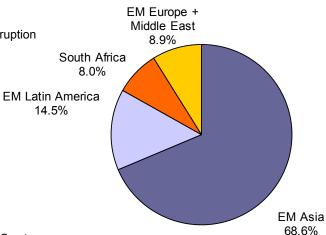
Qtr	2.5	-0.2	0.4	2.3	4.9
1 Yr	-2.2	-1.1	0.0	2.7	-0.9



### **Emerging Markets Equity – MSCI EM (Net)**

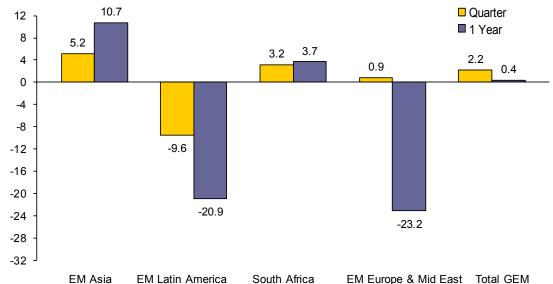
- Emerging Asia outperformed in the first quarter, rising 5.2%. The increase was driven by advances in Chinese and Indian equities.
- Emerging Latin American stocks fell 9.6% in the first quarter, driven by declines in Brazil amid corruption scandals.

Overall, the MSCI EM index rose 2.2% in the first guarter.



**Ending Regional Weights** 





#### **Contribution to Return:**

Qtr	3.6	-1.4	0.3	0.1	2.2
1 Yr	7.4	-3.0	0.3	-2.1	0.4

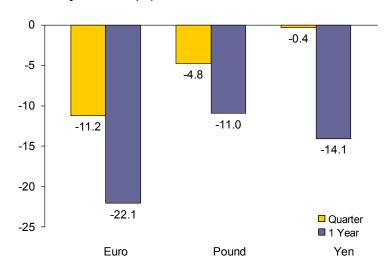


#### **CURRENCY AND BOND MARKETS**

### **Currency Markets**

- With the European Central Bank beginning sovereign quantitative easing, the euro fell 11.2% versus the dollar during the first quarter.
- The pound fell 4.8% versus the dollar during the first quarter. The decline was driven by expectations of tighter policy in the U.S.
- The U.S. dollar trade-weighted index, which measures the dollar's movement against a basket of currencies, rose 9.0% in the first quarter and reached peaks not seen since 2003.

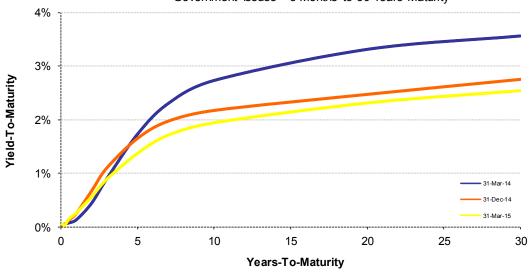
#### **Currency Returns (%)**



#### **Yield Curve**

- The Treasury curve primarily shifted downward, driven by declines in 5, 7, and 10 year maturities.
- 10-year yields fell 23bps during the first quarter, while 30-year yields fell 21bps.

### INTEREST RATE TERM STRUCTURE Government Issues - 3 Months to 30 Years Maturity

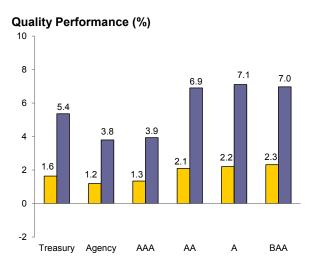


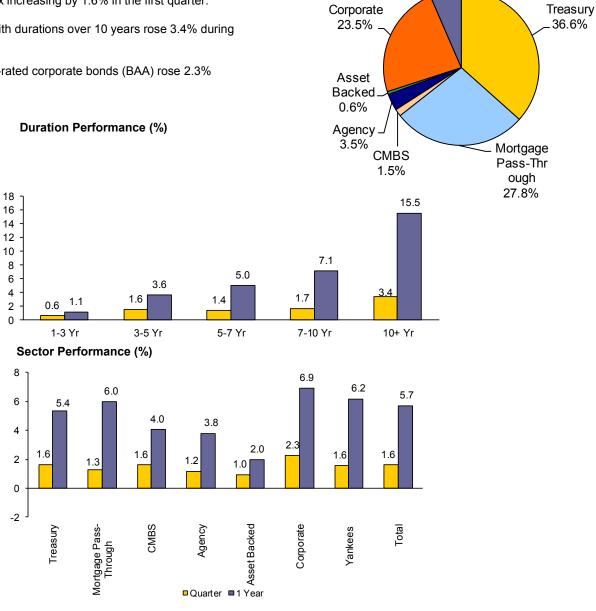


#### **BOND MARKETS**

### U.S. Bond Market Returns - Barclays Capital Aggregate

- U.S. Treasuries continued to rise, with the aggregate index increasing by 1.6% in the first quarter.
- Longer duration treasuries were the leaders; Treasuries with durations over 10 years rose 3.4% during the first quarter.
- Despite fears of rising defaults in the energy sector, lower-rated corporate bonds (BAA) rose 2.3% during the first quarter.





**Sector Weights** 

Yankees 6.5%

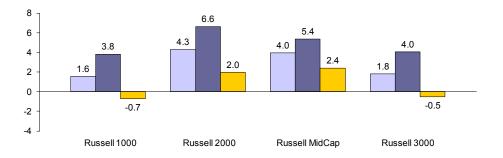


#### **STYLE & CAPITALIZATION**

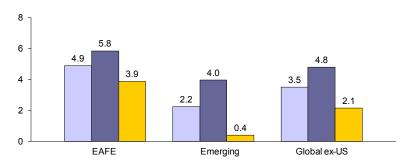
### **Style & Capitalization Returns**

- Small cap equities again outperformed in the U.S. as the Russell 2000 index rose 4.3% in the first quarter.
- Global ex-US growth stocks rose 4.8% in the first quarter, versus 2.1% for value.
- Overall, non-U.S. equities rose 3.5% in the first quarter. The rise was driven by continued easing by major central banks and declining geopolitical tensions.

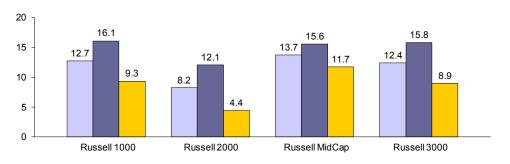
#### Russell US Style Returns (%) - Quarter



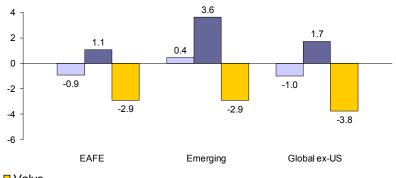
#### MSCI Non-US Style Returns (%) - Quarter



#### Russell US Style Returns (%) - 1 Year



#### MSCI Non-US Style Returns (%) - 1 Year



□ Neutral ■ Growth □ Value



#### **Executive Performance Summary**

First Quarter 2015

- The composite fund returned 2.5% in the first quarter of 2015 and ranked in the 35<sup>th</sup> percentile among other \$250mm-\$1B public funds (2.3% median). The fund lagged its policy index (2.8%) during this time period. Longer term, the three- and five-year returns of 9.9% and 9.6%, ranked above the median among its peer public plans (9.5% and 9.1%, respectively).
- First quarter results were enhanced by the following factors:
  - 1. The Mellon Tangent Added Fund surpassed its benchmark, the S&P 500 Index (1.2% vs. 1.0%), and ranked in the 66<sup>th</sup> percentile among large cap core managers. It was helped by its extended exposure to S&P 500 equity and long Treasury bond.
  - 2. The Mellon Large Growth Index Fund returned 3.8% for the quarter. The Fund matched the Russell 1000 Growth Index and ranked above the large cap growth manager median (3.7%).
  - 3. The Mellon Large Value Index Fund (-0.7%) matched the Russell 1000 Value Index return and was behind its median large cap value manager return of 0.4%.
  - 4. Copper Rock out-performed the MSCI World ex US Small Cap Index (7.5% vs. 4.1%) and ranked in the top quartile among EAFE small cap equity managers (median of 6.0%). Stock selection in the Consumer Discretionary, Financials and Info Tech and underweight to Energy sectors delivered positive relative returns. Top contributors are Hanssem, Hoshizaki Electric, ANIMA Holding, Ion Beam Applications and Zenkoku Hosho.
  - 5. The AXA 2.5% return was in line with the BofA ML US High Yield Master II Index and ranked in the third quartile among high yield managers, median return of 2.6%. The portfolio's relative performance was driven by positive stock selection, particularly within the highest yielding and the short duration portions of the market. Macro positioning throughout the risk spectrum within the high yield market detracted. Three year returns fared better than its benchmark (8.3% vs. 7.5%).
  - 6. Barrow Hanley's quarterly return led the Barclays Aggregate Index (1.8% vs 1.6%), and ranked in the second quartile among core bond managers, with a median return of 1.8%. The portfolio's overweight to MBS, corporates (banking, insurance) and the Energy sub-sector improved results. BH was up 3.4% for three years while its custom benchmark was up 3.0%.
  - 7. OZ Overseas was ahead of the HFRI RV Multi-Strategy Index (4.0% vs. 2.0%) and ranked in the top quartile among all multi-strategy hedge funds (1.9% median).



#### **Executive Performance Summary**

First Quarter 2015

- 8. Titan led the HFRI FoF Composite Index (2.6% vs. 2.5%) and ranked in the second quartile among all fund of funds multi-strategy hedge funds (2.5% median).
- 9. In its first full quarter, infrastructure manager KKR Global II bested the CPI-U Headline +5% Index (7.6% vs. 1.1%).
- First quarter results were hindered by the following factors:
  - 1. The DFA Small Cap portfolio appreciated 4.0% and behind the Russell 2000 Index, 4.3%. It ranked in the third quartile among other small cap managers (median of 4.5%). Negative performance attribution was derived from its relative underweight in the Health Care sector and intra-quarter trading.
  - 2. PanAgora was slightly behind the Russell 2000 Index (4.2% vs. 4.3%) and ranked in the third quartile among small cap managers (4.5% median). Select investments in the Energy sector and portfolio turnover were detrimental.
  - 3. EARNEST Partners (2.3%) was below par with the MSCI ACWI ex-US (3.6%) and ranked in the 92<sup>nd</sup> percentile among ACWI ex-US Core equity managers (median of 4.0%). The portfolio was negatively impacted by its overweight in emerging market financials. Over three years, EARNEST (7.2%) was surpassed by its custom benchmark (8.6%).
  - 4. GMO's return of 4.6% under-performed the MSCI EAFE Index return of 5.0%. It placed below the median among EAFE core equity managers (5.1%). It carried a negative attribution with its overweight in European value and position in emerging markets (Brazil materials and energy). Three-year results led the benchmark (10.2% vs. 9.5%).
  - 5. The Wells Capital portfolio returned 0.6%, ranking in the 72<sup>nd</sup> percentile among emerging market managers (1.8% median). The MSCI Emerging Markets Index was up 2.3%. Its largest stock detractors for the quarter were Lojas Americanas (Brazil), Tiger Brands (South Africa), and Samsung Life (Korea).
  - 6. Guggenheim Loan lagged its benchmark, the Credit Suisse Leveraged Loan Index (1.9% vs. 2.1%). Guggenheim ranked in the bottom quartile among float-rate bank loans (median of 2.2%).
  - 7. The Real Estate Composite added 2.9%, while its custom benchmark appreciated 3.2%. BlackRock RE matched the FTSE NAREIT Developed Index ex US (3.6% vs. 3.6%). Both Greenfield Gap VII and UBS Trumbull Property underperformed the NCREIF ODCE net Index (2.1% and 3.0%, respectively, vs. 3.2%).



### **Executive Performance Summary**

First Quarter 2015

8. The Private Equity Composite carried a quarterly time-weighted rate of return (one-quarter lagged) of -2.3% while its benchmark, the Russell 3000 +3% Index 1Q Lag, appreciated 6.0%. Pantheon II and Pantheon Secondary carried quarterly returns of 2.2% and 0.5%, respectively. Ocean Avenue II appreciated the most, at 7.0%. Invesco was last valued 9/30/2014.



## Performance Summary

	Market Value	3 Mo	Rank	Fiscal YTD	Rank	1Yr	Rank	3 Yr	Rank	5 Yr	Rank	7 Yr	Rank	10 Yr	Rank	Since Inception**	Since Inception Date***
Total Fund *	670,085,326	2.5	35	3.0	45	6.8	51	9.9	38	9.6	35	5.7	58	6.3	73	8.4	Dec-94
Policy Index 1		2.8	17	3.1	43	7.0	39	10.1	30	9.9	19	6.3	37	6.5	56	5.8	
InvestorForce Public DB \$250mm-\$1B Gross Media	n	2.3		2.9		6.8		9.5		9.1		6.0		6.6		8.6	
US Equity	214,523,722	2.0	61	8.7	9	14.2	5	17.0	18	14.6	54	9.4	57	8.6	40	9.9	Dec-94
US Equity Custom Index 1		2.1	51	7.1	49	12.1	38	16.4	42	14.7	49	9.4	58	8.4	55	9.9	
InvestorForce All DB US Eq Gross Median		2.2		7.0		11.6		16.2		14.7		9.5		8.4		10.1	
Large Cap Core																	
Mellon Tangent	67,698,617	1.2	66	10.7	17	18.1	5									26.1	Dec-12
Mellon Tangent - net		1.2		10.6		17.8										25.9	
S&P 500 Index		1.0 1.8	74	7.1 7.7	59	12.7 13.0	54									20.4 <i>21.1</i>	
eA US Large Cap Core Equity Gross Median		1.0		7.7		13.0										21.1	
Large Cap Growth																	
Mellon Large Growth	55,005,842	3.8	47	10.5	48	16.1	42	16.4	45	15.7	43	10.7	41	9.4	50	10.4	Mar-03
Mellon Large Growth - net		3.8		10.4		16.1		16.3		15.6		10.6		9.3		10.3	
Russell 1000 Growth Index		3.8	47	10.4	49	16.1	42	16.3	45	15.6	44	10.7	42	9.4	50	10.4	
eA US Large Cap Growth Equity Gross Median		3.7		10.4		15.2		16.1		15.3		10.4		9.3		10.9	
Large Cap Value																	
Mellon Large Value	50,901,466	-0.7	77	4.0	60	9.4	56	16.5	44	13.8	54	7.8	78	7.3	79	10.2	Mar-03
Mellon Large Value - net		-0.7		4.0		9.3		16.4		13.7		7.7		7.2		10.1	
Russell 1000 Value Index		-0.7	77	4.0	60	9.3	57	16.4	45	13.8	55	7.7	80	7.2	82	10.2	
eA US Large Cap Value Equity Gross Median		0.4		4.7		9.8		16.1		14.0		8.9		8.4		11.1	

<sup>\*</sup> Managers are ranked against the eVestment Alliance (eA) style universes. Asset class composites are ranked against the InvestorForce universes.



<sup>\*\*</sup> Since inception returns are based on the first full quarter of performance.

<sup>\*\*\*</sup> Since inception date denotes last day of the month.

<sup>&</sup>lt;sup>1</sup>See Appendix for Benchmark History.

## Performance Summary

	Market Value	3 Mo	Rank	Fiscal YTD	Rank	1Yr	Rank	3 Yr	Rank	5 Yr	Rank	7 Yr	Rank	10 Yr	Rank	Since Inception**	Since Inception Date***
Small Cap																	
DFA Small Cap <sup>2</sup> DFA Small Cap - net Russell 2000 eA US Small Cap Equity Gross Median	20,334,833	4.0 3.9 4.3 4.5	61 <i>53</i>	6.5 6.3 6.0 6.1	48 <i>51</i>											6.5 6.3 6.0 6.1	Jun-14
PanAgora PanAgora - net Russell 2000 eA US Small Cap Equity Gross Median	20,582,964	4.2 4.2 4.3 4.5	56 53	9.7 9.1 <i>6.0</i> <i>6.1</i>	23 <i>51</i>	12.1 11.5 <i>8.2</i> <i>8.4</i>	20 52									17.0 16.4 <i>12.3</i> <i>13.1</i>	Sep-13
International Equity	153,496,170	3.7	69	-5.6	75	-1.4	77	7.9	48	7.0	29	3.0	28	6.0	42	5.7	Dec-98
International Equity Custom Index <sup>1</sup> InvestorForce All DB ex-US Eq Gross Median		3.6 4.2	72	-5.5 -4.4	74	-0.6 0.1	63	7.7 7.8	52	5.6 6.2	64	1.3 2.0	69	4.9 5.7	71	4.3 5.8	
Copper Rock Copper Rock - net  MSCI World ex USA Small Cap  eA EAFE Small Cap Equity Gross Median	25,640,666	7.5 7.3 4.1 6.0	12 87	3.4 2.8 -7.6 -4.3	2 94	4.3 3.2 -4.5 -1.5	4 90									12.1 11.3 2.9 6.6	Sep-13
EARNEST Partners EARNEST Partners - net  Earnest Custom Index 1  eA ACWI ex-US Core Equity Gross Median	43,200,405	2.3 2.1 <i>3.6</i> <i>4.0</i>	92 <i>62</i>	-3.7 -4.1 -5.5 -3.5	54 <i>77</i>	0.4 -0.2 -0.6 0.9	57 <i>67</i>	7.2 6.5 <i>8.6</i> <i>8.5</i>	83 <i>49</i>	6.9 6.3 <i>6.1</i> 7.5	71 <i>78</i>					4.5 3.8 2.0 3.5	Jun-08

<sup>&</sup>lt;sup>2</sup> Funded on 6/30/2014.



## Performance Summary

	Market Value	3 Mo	Rank	Fiscal YTD	Rank	1Yr	Rank	3 Yr	Rank	5 Yr	Rank	7 Yr	Rank	10 Yr	Rank	Since Inception**	Since Inception Date***
GMO	57,682,640	4.6	64	-9.3	99	-4.1	91	10.2	58	7.8	60	2.7	62			1.5	Dec-07
GMO - net		4.4		-9.7		-4.7		9.5		7.1		2.1				0.9	
MSCI EAFE Gross Index eA EAFE Core Equity Gross Median		5.0 5.1	52	-4.6 -3.6	67	-0.5 -0.2	54	9.5 10.7	72	6.6 8.2	82	2.0 3.4	78			0.7 2.0	
Wells Capital Wells Capital - net	26,972,459	0.6 0.5	72	-7.8 -8.2	77	-2.2 -2.9	81	-0.2 -1.1	86							-0.2 -1.1	Mar-12
MSCI Emerging Markets Gross Index		2.3	38	-5.5	59	0.8	60	0.7	<i>75</i>							0.7	
eA Emg Mkts Equity Gross Median		1.8		-4.8		2.2		2.4								2.4	
US Fixed Income	173,776,792	2.0	39	2.6	60	4.7	63	4.3	51	5.7	47	4.3	85	4.3	93	6.0	Dec-94
US Fixed Income Custom Index <sup>1</sup>		1.8	48	2.6	60	4.8	62	3.0	83	4.4	83	4.7	80	4.9	<i>78</i>	6.2	
InvestorForce All DB US Fix Inc Gross Median		1.8		3.1		5.4		4.3		5.6		5.9		5.7		7.0	
AXA	34,620,680	2.5	56	-0.5	57	1.7	62	8.3	20	9.5	18					9.5	Mar-10
AXA - net		2.5 2.5	53	-0.6 -0.5	E 7	1.5 <i>2.1</i>	55	8.0 <i>7.5</i>	53	8.0	67					9.1	
BofA Merrill Lynch US High Yield Master II TR eA US High Yield Fixed Inc Gross Median		2.5 2.6	53	-0.5 -0.1	57	2.1 2.2	22	7.5 7.5	23	8.4 8.8	0/					8.4 8.8	
Barrow Hanley	118,868,001	1.8	39	3.8	35	5.8	47	3.4	62	4.9	60					4.9	Mar-10
Barrow Hanley - net		1.8		3.6		5.6		3.2		4.6						4.6	
Barrow Hanley Custom Index <sup>1</sup>		1.6	71	3.6	53	5.7	54	3.0	83	4.6	73					4.6	
eA US Core Fixed Inc Gross Median		1.8		3.6		5.8		3.7		5.0						5.0	
Guggenheim Loan <sup>3</sup>	20,288,111	1.9	85													1.1	Aug-14
Guggenheim Loan - net		1.9	7.1													1.1	
Credit Suisse Leveraged Loans eA Float-Rate Bank Loan Gross Median		2.1 2.2	74													1.2 1.3	

<sup>&</sup>lt;sup>3</sup> Funded on 8/1/2014.



## Performance Summary

ı	Market Value	3 Mo	Rank	Fiscal YTD	Rank	1Yr	Rank	3 Yr	Rank	5 Yr	Rank	7 Yr	Rank	10 Yr	Rank	Since Inception**	Since Inception Date***
Hedge Fund Composite****	29,838,022	3.3	16	6.6	8											6.6	Jun-14
HFRI Fund of Funds Composite Index		2.3	39	3.5	34											3.5	
InvestorForce All DB Hedge Funds Gross Median		2.1		2.6												2.6	
OZ Domestic II <sup>4</sup>	15,133,143	4.0	24	8.1	23											8.1	Jun-14
HFRI RV: Multi-Strategy Index		2.0	49	2.2	45											2.2	
eV Alt All Multi-Strategy Median		1.9		1.5												1.5	
Titan <sup>4</sup>	14,704,879	2.6	47	5.0	34											5.0	Jun-14
HFRI Fund of Funds Composite Index		2.5	50	3.8	51											3.8	
eV Alt Fund of Funds - Multi-Strategy Median		2.5		3.8												3.8	
Real Estate Composite	53,656,483	2.9	60	6.5	89	10.1	92	10.0	84	11.9	70	3.9	27	7.4	31	8.8	Mar-99
Real Estate Custom Index 1		3.2	52	7.7	81	12.2	73	12.2	56	12.6	62	4.8	18	8.3	18	8.8	
InvestorForce All DB Real Estate Gross Median		3.2		9.9		13.4		12.5		13.5		2.6		6.2		7.4	
BlackRock RE <sup>5</sup>	7,956,825	3.6	95													-1.1	Jul-14
BlackRock RE - net	,,,,,,,	3.6														-1.2	
FTSE NAREIT Developed ex US		3.6	94													-1.1	
eA US REIT Gross Accounts		4.8															
Greenfield Gap VII <sup>6</sup>	8,204,635	2.1														2.1	Dec-14
Greenfield Gap VII - net	0,20 1,000	-0.4														-0.4	200
NCREIF ODCE net		3.2														3.2	
UBS Trumbull Property	37,065,023	3.0	64	9.5	69	12.2	86	10.7	82	12.7	74	3.9	25	7.4	22	8.8	Mar-99
UBS Trumbull Property - net	0.,000,020	2.7	•	8.9	•	11.3	•	9.8	<u>-</u>	11.6		2.8		6.2		7.5	
NCREIF ODCE net <sup>1</sup>		3.2	56	10.0	54	13.2	64	12.6	44	14.5	42	6.1	7	9.2	3	10.3	
InvestorForce All DB Real Estate Gross Median		3.2	00	10.0	01	13.5	01	12.3	,,	13.9	12	3.0	,	6.7	J	7.4	
Other Real Estate	430,000																
Other real Estate	₹50,000																

<sup>\*\*\*\*</sup>Managers are reported net of fees.

<sup>&</sup>lt;sup>6</sup> Funded on 12/18/2014



<sup>&</sup>lt;sup>4</sup> Funded on 6/30/2014.

<sup>&</sup>lt;sup>5</sup> Funded on 7/3/2014.

## Performance Summary

	Market Value	3 Mo	Rank	Fiscal YTD	Rank	1Yr	Rank	3 Yr	Rank	5 Yr	Rank	7 Yr	Rank	10 Yr	Rank	Since Inception**	Since Inception Date***
Private Equity Composite <sup>+</sup>	35,448,900	2.3		6.0		7.4		7.1		10.1		5.7				5.7	Jun-05
Russell 3000 + 3% 1Q Lagged 1		6.0		12.4		15.6		23.6		21.1		15.0				13.9	
Adams Street	9,500,488	5.0		10.9		15.1		15.0		13.9		7.1				5.1	Sep-05
Invesco IV	4,980,281	0.0		3.0		5.5		4.4		11.9		7.7				8.5	Jun-05
Invesco VI *	2,577,800	0.0		42.4		5.3										4.2	Jun-13
Ocean Ave II <sup>7</sup>	3,261,558	7.0		-5.9												-5.9	Jun-14
Pantheon I	3,084,867	2.5		3.9		7.5		10.0		9.9		4.7				3.2	Dec-05
Pantheon II	2,312,057	2.2		5.2		6.9		13.3								10.6	Dec-11
Pantheon Secondary	3,950,170	0.5		-1.1		1.5		-0.1		3.1		-0.1				3.7	Jun-07
Raven Asset Fund II <sup>8</sup>	5,781,679	-7.5														-7.5	Aug-14
Infrastructure Composite	272,382	7.6														7.6	Dec-15
KKR Global II <sup>9</sup>	272,382	7.6														7.6	Dec-15
CPI-U Headline +5%		1.1														1.1	
Cash	2,646,810	0.1		0.4		0.4		0.5		1.2		4.8		5.6		5.0	Sep-03
Treasury Cash	6,426,045																

<sup>&</sup>lt;sup>+</sup> Private Equity Composite and managers are reported net of fees.



<sup>\*</sup>Private Equity managers have been updated as of 12/31/2014, except Invesco, which has been updated as of 9/30/2014.

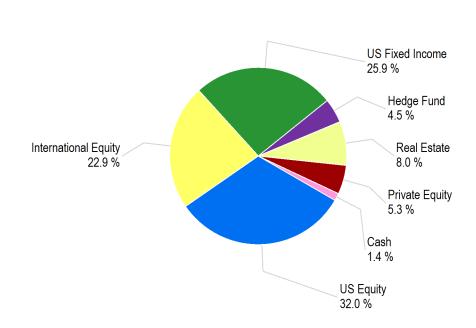
<sup>&</sup>lt;sup>7</sup> Funded on 6/11/2014.

<sup>&</sup>lt;sup>8</sup> Funded on 8/11/2014.

<sup>&</sup>lt;sup>9</sup> Funded on 12/18/2014.

## Asset Allocation Analysis

As of March 31, 2015

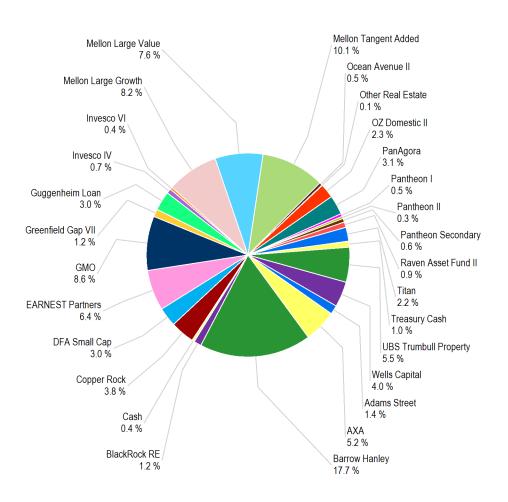


	Actual \$	Actual %
US Equity	\$214,523,722	32.0%
International Equity	\$153,496,170	22.9%
US Fixed Income	\$173,776,792	25.9%
Hedge Fund	\$29,838,022	4.5%
Real Estate	\$53,656,483	8.0%
Private Equity	\$35,448,900	5.3%
Real Assets	\$272,382	0.0%
Cash	\$9,072,855	1.4%
Total	\$670,085,326	



### Manager Allocation Analysis - Total Plan

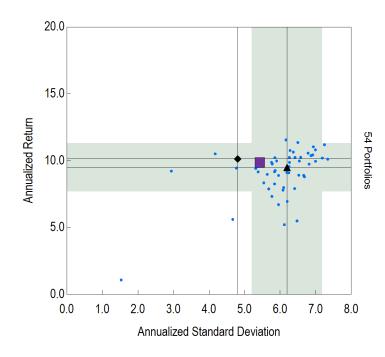
As of March 31, 2015



	Current Balance	Current Allocation
DFA Small Cap	\$20,334,833	3.0%
Mellon Tangent Added	\$67,698,617	10.1%
Mellon Large Growth	\$55,005,842	8.2%
Mellon Large Value	\$50,901,466	7.6%
PanAgora	\$20,582,964	3.1%
Copper Rock	\$25,640,666	3.8%
EARNEST Partners	\$43,200,405	6.4%
GMO	\$57,682,640	8.6%
Wells Capital	\$26,972,459	4.0%
AXA	\$34,620,680	5.2%
Barrow Hanley	\$118,868,001	17.7%
Guggenheim Loan	\$20,288,111	3.0%
OZ Domestic II	\$15,133,143	2.3%
Titan	\$14,704,879	2.2%
BlackRock RE	\$7,956,825	1.2%
Greenfield Gap VII	\$8,204,635	1.2%
UBS Trumbull Property	\$37,065,023	5.5%
Other Real Estate	\$430,000	0.1%
Adams Street	\$9,500,488	1.4%
Invesco IV	\$4,980,281	0.7%
Invesco VI	\$2,577,800	0.4%
Ocean Avenue II	\$3,261,558	0.5%
Pantheon I	\$3,084,867	0.5%
Pantheon II	\$2,312,057	0.3%
Pantheon Secondary	\$3,950,170	0.6%
Raven Asset Fund II	\$5,781,679	0.9%
KKR Global II	\$272,382	0.0%
Cash	\$2,646,810	0.4%
Treasury Cash	\$6,426,045	1.0%
Total	\$670,085,326	100.0%



### Risk vs. Return 3 Year - Total Plan

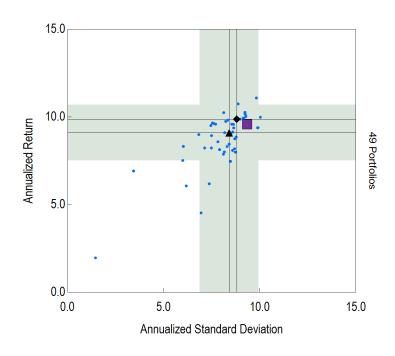


	Anlzd Return	Anlzd Return Rank	Anlzd Standard Deviation	Anlzd Standard Deviation Rank	Sharpe Ratio	Sharpe Ratio Rank
Total Fund	9.9%	38	5.4%	16	1.8	7
Policy Index	10.1%	30	4.8%	8	2.1	4
InvestorForce Public DB \$250mm-\$1B Gross Median	9.5%		6.2%	-	1.5	

- Total Fund
- ◆ Policy Index
- ▲ Universe Median
- 68% Confidence Interval
- InvestorForce Public DB \$250mm-\$1B Gross



### Risk vs. Return 5 Year - Total Plan



	Anlzd Return	Anlzd Return Rank	Anlzd Standard Deviation	Anlzd Standard Deviation Rank	Sharpe Ratio	Sharpe Ratio Rank
Total Fund	9.6%	35	9.3%	89	1.0	67
Policy Index	9.9%	19	8.8%	74	1.1	35
InvestorForce Public DB \$250mm-\$1B Gross Median	9.1%		8.4%		1.1	

- Total Fund
- Policy Index
- ▲ Universe Median
- 68% Confidence Interval
- InvestorForce Public DB \$250mm-\$1B Gross



### Total Returns - Total Plan

Periods Ending March 31, 2015

#### InvestorForce Public DB \$250mm-\$1B Gross Accounts



5th Percentile 25th Percentile Median 75th Percentile 95th Percentile # of Portfolios

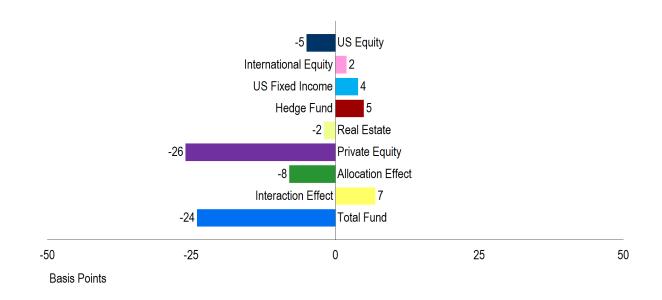
Total FundPolicy Index

Return (	Rank)															
3.0		4.4		8.4		11.4		11.1		10.3		7.4		7.6		
2.6		3.6		7.5		10.1		10.2		9.7		6.7		7.0		
2.3		2.9		6.8		9.3		9.5		9.1		6.0		6.6		
1.9		1.7		5.4		8.2		8.8		8.2		5.2		6.2		
1.2		0.1		3.5		5.5		5.6		6.1		4.0		5.4		
55		55		55		55		54		49		48		37		
2.5 2.8	(35) (17)	3.0 3.1	(45) (43)	6.8 7.0	(51) (39)	9.9 9.8	(34) (40)	9.9 10.1	(38) (30)	9.6 9.9	(35) (19)	5.7 6.3	(58) (37)	6.3 6.5	(73) (56)	



### Performance Attribution - Total Plan

Quarter Ending March 31, 2015

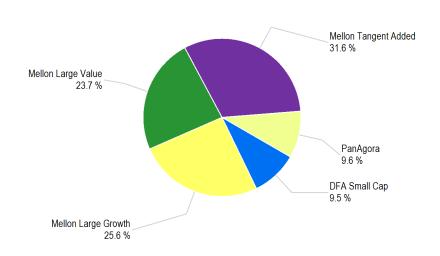


Attribution Summary												
	Wtd. Actual Return	Wtd. Index Return	Excess Return	Selection Effect	Allocation Effect	Interaction Effects	Total Effects					
US Equity	1.95%	2.14%	-0.18%	-0.05%	-0.03%	-0.01%	-0.09%					
International Equity	3.67%	3.59%	0.07%	0.02%	0.00%	0.00%	0.01%					
US Fixed Income	1.96%	1.83%	0.13%	0.04%	0.02%	0.00%	0.05%					
Hedge Fund	3.32%	2.27%	1.05%	0.05%	0.00%	0.00%	0.05%					
Real Estate	2.94%	3.15%	-0.21%	-0.02%	0.00%	0.00%	-0.02%					
Private Equity	2.26%	5.99%	-3.73%	-0.26%	-0.07%	0.08%	-0.25%					
Total	2.51%	2.75%	-0.24%	-0.23%	-0.08%	0.07%	-0.24%					



## Manager Allocation Analysis - US Equity

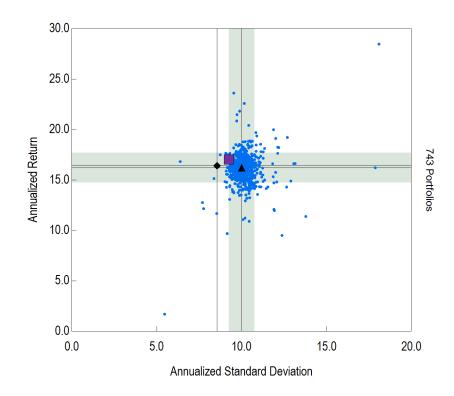
As of March 31, 2015



	Actual \$	Actual %
DFA Small Cap	\$20,334,833	9.5%
Mellon Large Growth	\$55,005,842	25.6%
Mellon Large Value	\$50,901,466	23.7%
Mellon Tangent Added	\$67,698,617	31.6%
PanAgora	\$20,582,964	9.6%
Total	\$214,523,722	



## Risk vs. Return 3 Year - US Equity

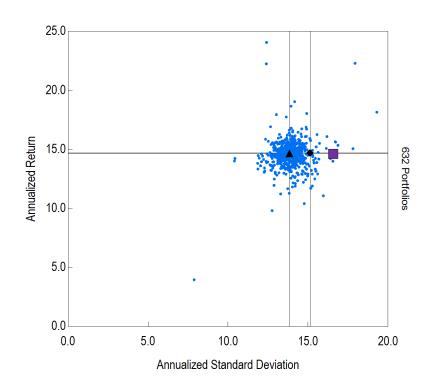


	Anlzd Return	Anlzd Return Rank	Anlzd Standard Deviation	Anlzd Standard Deviation Rank	Sharpe Ratio	Sharpe Ratio Rank
US Equity	17.0%	18	9.3%	3	1.8	3
80% R1000/ 20% R2000	16.4%	42	8.6%	1	1.9	2
InvestorForce All DB US Eq	16.2%		10.0%		1.6	

- US Equity
- 80% R1000/ 20% R2000
- Universe Median
- □ 68% Confidence Interval
- InvestorForce All DB US Eq Gross



## Risk vs. Return 5 Year - US Equity



	Anlzd Return	Anlzd Return Rank	Anlzd Standard Deviation	Anlzd Standard Deviation Rank	Sharpe Ratio	Sharpe Ratio Rank
US Equity	14.6%	54	16.6%	99	0.9	96
80% R1000/ 20% R2000	14.7%	49	15.1%	95	1.0	85
InvestorForce All DB US Eq Gross Median	14.7%		13.8%		1.1	

- US Equity 80% R1000/ 20% R2000
- Universe Median
- InvestorForce All DB US Eq Gross



### Total Returns - US Equity

Periods Ending March 31, 2015

#### InvestorForce All DB US Eq Gross Accounts



5th Percentile
25th Percentile
Median
75th Percentile
95th Percentile
# of Portfolios

US Equity80% R1000/ 20% R2000

Return (	Rank)														
4.0	,	9.1		14.1		19.4		18.2		16.0		10.9		9.7	
2.8		7.6		12.4		17.8		16.7		15.1		10.0		8.8	
2.2		7.0		11.6		17.2		16.2		14.7		9.5		8.4	
1.8		6.3		10.6		16.5		15.5		14.1		9.0		8.0	
8.0		3.7		8.0		14.7		14.1		12.9		7.8		7.2	
839		832		828		779		743		632		513		428	
2.0	(61)	8.7	(9)	14.2	(5)	18.9	(9)	17.0	(18)	14.6	(54)	9.4	(57)	8.6	(40)
2.1	(51)	7.1	(49)	12.1	(38)	17.3	(45)	16.4	(42)	14.7	(49)	9.4	(58)	8.4	(55)



## Equity Only Summary Statistics - US Equity

Quarter Ending March 31, 2015

#### Characteristics

	Portfolio	Russell 3000
Number of Holdings	2,924	3,016
Weighted Avg. Market Cap. (\$B)	103.6	103.5
Median Market Cap. (\$B)	2.8	1.5
Price To Earnings	23.7	23.1
Price To Book	4.5	4.0
Price To Sales	3.2	3.0
Return on Equity (%)	18.9	17.6
Yield (%)	1.9	1.9
Beta (holdings; domestic)	1.0	1.0

Top Holdings	
APPLE	3.3%
EXXON MOBIL	1.6%
MICROSOFT	1.5%
JOHNSON & JOHNSON	1.2%
BERKSHIRE HATHAWAY 'B'	1.2%
WELLS FARGO & CO	1.1%
GENERAL ELECTRIC	1.1%
JP MORGAN CHASE & CO.	1.0%
PROCTER & GAMBLE	1.0%
PFIZER	1.0%

Best Performers	
	Return %
GORDMANS STORES (GMAN)	204.0%
DURECT (DRRX)	142.0%
PHARMACYCLICS (PCYC)	109.3%
NEOPHOTONICS (NPTN)	99.7%
RAVE RESTAURANT GROUP (RAVE)	96.6%
RETROPHIN (RTRX)	95.8%
CAMBIUM LEARNING GROUP (ABCD)	90.4%
COHERUS BIOSCINECES (CHRS)	87.4%
CORCEPT THERAPEUTICS (CORT)	86.7%
RADIO ONE 'D' NON VTG. (ROIAK)	84.4%

Worst Performers	
	Return %
DORAL FINANCIAL (DRLCQ)	-98.0%
STANDARD REGISTER (SRCTQ)	-96.9%
AMER.SPTM.REAL. (AQQSQ)	-92.9%
BPZ RESOURCES (BPZRQ)	-90.9%
FXCM CLASS A (FXCM)	-87.1%
LIFE PARTNERS HOLDINGS (LPHI)	-85.0%
SPEED COMMERCE (SPDC)	-79.3%
HARVEST NTRL.RES. (HNR)	-75.3%
HAMPSHIRE GROUP (HAMP)	-73.7%
BLONDER TONGUE LABS. (BDR)	-64.3%



## **Equity Sector Attribution - US Equity**

Quarter Ending March 31, 2015

#### **US Equity Performance Attribution vs. Russell 3000**

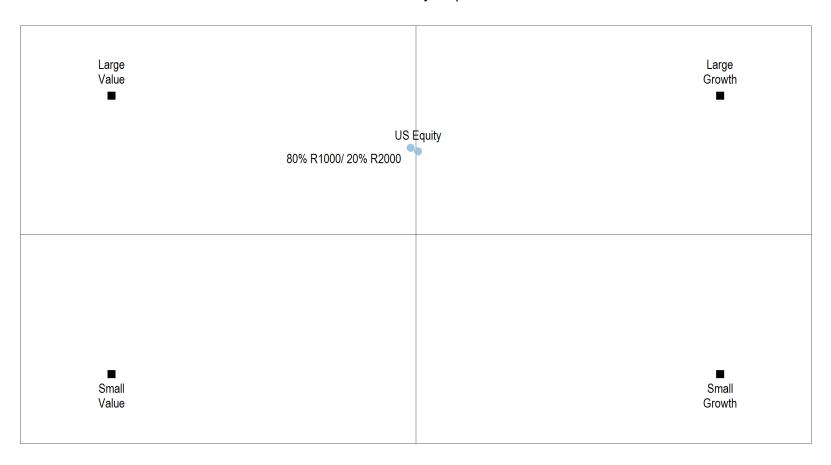
		00 L			10.1140001100			
			Attribution Effect	ets	Re	eturns	Secto	r Weights
	Total	Selection	Allocation	Interaction				
	Effects	Effect	Effect	Effects	Portfolio	Benchmark	Portfolio	Benchmark
Energy	0.0%	-0.1%	0.0%	0.0%	-3.1%	-2.2%	6.5%	7.6%
Materials	0.0%	0.0%	0.0%	0.0%	1.0%	1.1%	3.4%	3.6%
Industrials	0.1%	0.0%	0.0%	0.0%	0.8%	0.4%	11.0%	11.5%
Cons. Disc.	0.0%	0.0%	0.0%	0.0%	4.9%	4.7%	12.6%	12.9%
Cons. Staples	0.0%	0.0%	0.0%	0.0%	1.2%	1.2%	7.4%	8.6%
Health Care	-0.1%	0.0%	-0.1%	0.0%	7.9%	7.7%	12.3%	13.5%
Financials	0.0%	0.0%	0.0%	0.0%	-0.7%	-0.7%	16.5%	18.1%
Info. Tech	0.0%	0.0%	0.0%	0.0%	1.8%	1.6%	17.4%	19.0%
Telecomm.	0.0%	0.0%	0.0%	0.0%	2.1%	1.9%	1.7%	2.0%
Utilities	0.0%	0.0%	0.0%	0.0%	-3.8%	-4.6%	3.2%	3.3%
Cash	-0.1%	0.0%	-0.1%	0.0%	0.0%		7.8%	0.0%
Portfolio	0.0%	= 0.1%	+ -0.1%	+ 0.0%	1.7%	1.7%	100.0%	100.0%



## Return Based Style Analysis - US Equity

3 Years Ending March 31, 2015

#### **US Effective Style Map**

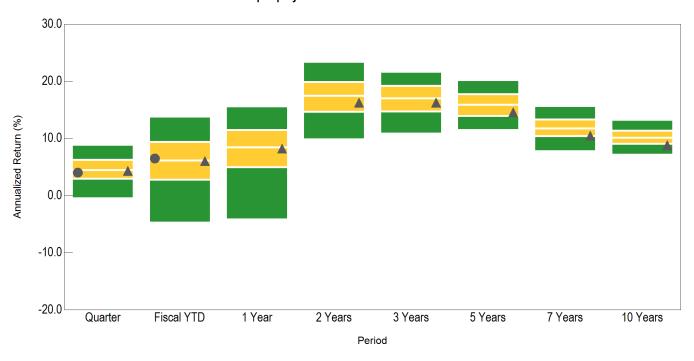




### Total Returns - Small Cap Equity

Periods Ending March 31, 2015

#### eA US Small Cap Equity Gross Accounts



5th Percentile 25th Percentile Median 75th Percentile 95th Percentile # of Portfolios

● DFA Small Cap ▲ Russell 2000

Return (	Rank)															
8.8		13.8		15.6		23.4		21.6		20.2		15.6		13.2		
6.3		9.4		11.5		19.9		19.2		17.8		13.4		11.3		
4.5		6.1		8.4		17.5		17.0		15.9		11.7		10.1		
3.0		2.8		5.0		14.7		14.7		14.0		10.4		9.1		
-0.5		-4.7		-4.1		9.9		10.8		11.5		7.8		7.2		
519		519		519		512		503		476		443		372		
4.0	(61)	6.5	(48)		()		()		()		()		()		()	
4.3	(53)	6.0	(51)	8.2	(52)	16.3	(61)	16.3	(59)	14.6	(70)	10.5	(74)	8.8	(80)	



## Equity Only Summary Statistics - DFA Small Cap

Quarter Ending March 31, 2015

#### Characteristics

	Portfolio	Russell 2000
Number of Holdings	1,987	1,980
Weighted Avg. Market Cap. (\$B)	2.0	2.1
Median Market Cap. (\$B)	0.5	0.7
Price To Earnings	26.0	26.4
Price To Book	3.3	3.3
Price To Sales	2.1	2.9
Return on Equity (%)	13.6	11.2
Yield (%)	1.1	1.1
Beta (holdings; domestic)	1.3	1.3

Top Holdings	
QORVO	0.6%
JETBLUE AIRWAYS	0.6%
OFFICE DEPOT	0.4%
JACK IN THE BOX	0.4%
VCA	0.4%
MANHATTAN ASSOCS.	0.4%
SEABOARD	0.3%
VAIL RESORTS	0.3%
TYLER TECHNOLOGIES	0.3%
SYNAPTICS	0.3%

Best Performers	
	Return %
GORDMANS STORES (GMAN)	204.0%
DURECT (DRRX)	142.0%
NEOPHOTONICS (NPTN)	99.7%
RAVE RESTAURANT GROUP (RAVE)	96.6%
RETROPHIN (RTRX)	95.8%
CAMBIUM LEARNING GROUP (ABCD)	90.4%
CORCEPT THERAPEUTICS (CORT)	86.7%
RADIO ONE 'D' NON VTG. (ROIAK)	84.4%
ARQULE (ARQL)	83.6%
CAMBREX (CBM)	83.3%

Worst Performers	
	Return %
DORAL FINANCIAL (DRLCQ)	-98.0%
STANDARD REGISTER (SRCTQ)	-96.9%
AMER.SPTM.REAL. (AQQSQ)	-92.9%
BPZ RESOURCES (BPZRQ)	-90.9%
FXCM CLASS A (FXCM)	-87.1%
LIFE PARTNERS HOLDINGS (LPHI)	-85.0%
SPEED COMMERCE (SPDC)	-79.3%
HARVEST NTRL.RES. (HNR)	-75.3%
HAMPSHIRE GROUP (HAMP)	-73.7%
BLONDER TONGUE LABS. (BDR)	-64.3%



## Equity Sector Attribution - DFA Small Cap

Quarter Ending March 31, 2015

#### DFA Small Cap Performance Attribution vs. Russell 2000

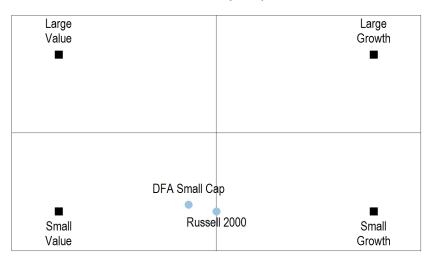
		3.7.	•		ion voi reaccon			
			Attribution Effect	ets	R	eturns	Secto	r Weights
	Total	Selection	Allocation	Interaction				
	Effects	Effect	Effect	Effects	Portfolio	Benchmark	Portfolio	Benchmark
Energy	-0.1%	-0.1%	0.0%	0.0%	-2.9%	-0.6%	3.4%	3.5%
Materials	0.0%	0.0%	0.0%	0.0%	0.9%	0.8%	5.3%	4.6%
Industrials	0.0%	0.1%	-0.1%	0.0%	3.1%	2.5%	17.8%	14.0%
Cons. Disc.	0.3%	0.2%	0.0%	0.1%	6.3%	5.2%	18.5%	14.0%
Cons. Staples	0.0%	0.0%	0.0%	0.0%	1.1%	0.4%	4.6%	3.3%
Health Care	-0.4%	0.0%	-0.4%	0.0%	12.0%	12.1%	9.7%	14.5%
Financials	0.1%	-0.1%	0.2%	0.0%	1.1%	1.5%	18.6%	24.4%
Info. Tech	-0.1%	-0.1%	0.0%	0.0%	4.5%	5.1%	17.5%	17.3%
Telecomm.	0.0%	0.0%	0.0%	0.0%	-2.3%	-0.7%	0.8%	0.8%
Utilities	-0.1%	-0.1%	0.0%	0.0%	-0.6%	0.9%	3.9%	3.6%
Cash	0.0%						0.0%	0.0%
Portfolio	-0.3%	= -0.1%	+ -0.3%	+ 0.1%	3.8%	4.1%	100.0%	100.0%



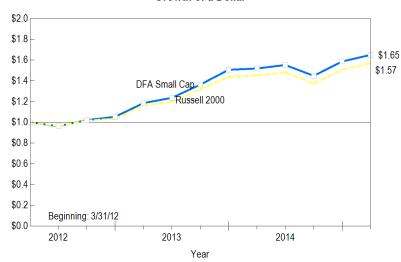
### Return Based Style Analysis - DFA Small Cap

3 Years Ending March 31, 2015

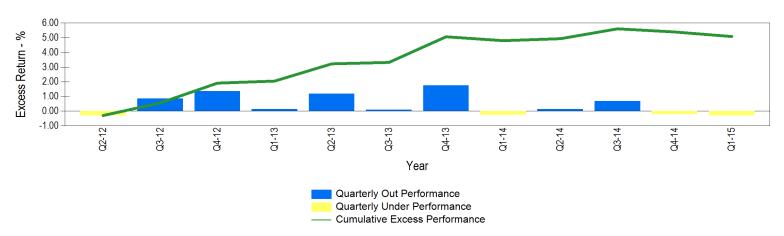
#### **US Effective Style Map**



#### Growth of a Dollar



#### **Quarterly and Cumulative Excess Performance**

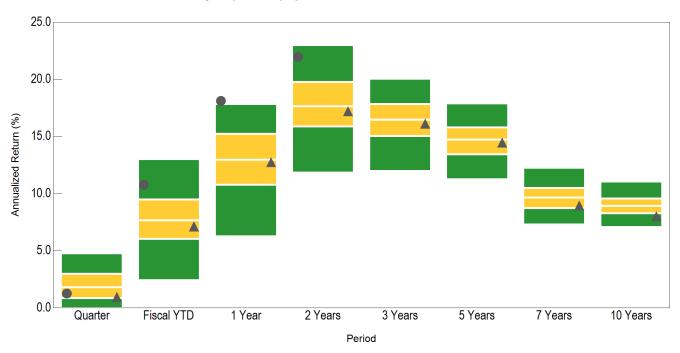




### Total Returns - Large Cap Core Equity

Periods Ending March 31, 2015

#### eA US Large Cap Core Equity Gross Accounts



5th Percentile
25th Percentile
Median
75th Percentile
95th Percentile
# of Portfolios

Mellon Tangent AddedS&P 500

turn (F 4.7		13.0		17.8		23.0		20.0		17.9		12.2		11.0	
3.0		9.5		15.2		19.8		17.9		15.8		10.5		9.6	
1.8		7.7		13.0		17.7		16.5		14.7		9.7		8.9	
0.9		6.0		10.8		15.9		15.1		13.5		8.7		8.3	
-0.9		2.4		6.3		11.9		12.0		11.2		7.3		7.1	
261		261		261		259		251		239		220		190	
1.2	(66)	10.7	(17)	18.1	(5)	22.0	(9)		()		()		()		()
1.0	(74)	7.1	(59)	12.7	(54)	17.2	(56)	16.1	(58)	14.5	(58)	8.9	(73)	8.0	(82)



# Equity Only Summary Statistics - Mellon Tangent Added

Quarter Ending March 31, 2015

### Characteristics

	Portfolio	S&P 500
Number of Holdings	505	502
Weighted Avg. Market Cap. (\$B)	126.1	126.1
Median Market Cap. (\$B)	18.6	18.6
Price To Earnings	23.1	21.9
Price To Book	4.6	4.4
Price To Sales	3.2	3.0
Return on Equity (%)	19.9	19.4
Yield (%)	2.0	2.0
Beta (holdings; domestic)	1.0	1.0

Top Holdings	
APPLE	4.0%
EXXON MOBIL	1.9%
MICROSOFT	1.8%
JOHNSON & JOHNSON	1.5%
BERKSHIRE HATHAWAY 'B'	1.4%
WELLS FARGO & CO	1.4%
GENERAL ELECTRIC	1.4%
JP MORGAN CHASE & CO.	1.2%
PROCTER & GAMBLE	1.2%
PFIZER	1.2%

Best Performers	
	Return %
HOSPIRA (HSP)	43.4%
KRAFT FOODS GROUP (KRFT)	39.0%
FIRST SOLAR (FSLR)	34.1%
BOSTON SCIENTIFIC (BSX)	34.0%
URBAN OUTFITTERS (URBN)	29.9%
VALERO ENERGY (VLO)	29.5%
NEWFIELD EXPLORATION (NFX)	29.4%
KOHL'S (KSS)	29.0%
VULCAN MATERIALS (VMC)	28.4%
MALLINCKRODT (MNK)	27.9%

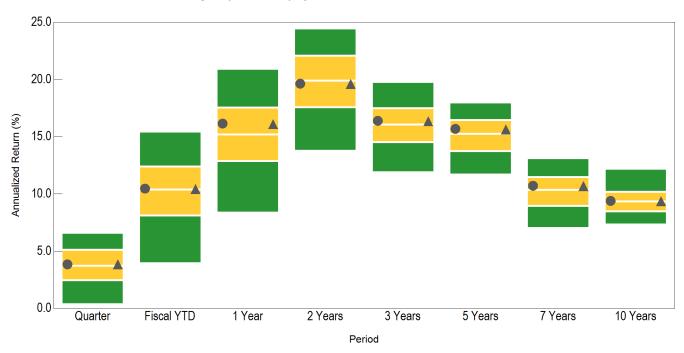
Worst Performers	
	Return %
SANDISK (SNDK)	-34.8%
ENSCO CLASS A (ESV)	-29.2%
RALPH LAUREN CL.A (RL)	-28.7%
CHESAPEAKE ENERGY (CHK)	-27.3%
DIAMOND OFFS.DRL. (DO)	-26.8%
FOSSIL GROUP (FOSL)	-25.5%
MATTEL (MAT)	-25.1%
NATIONAL OILWELL VARCO (NOV)	-23.0%
MICRON TECHNOLOGY (MU)	-22.5%
HEWLETT-PACKARD (HPQ)	-22.0%



### Total Returns - Large Cap Growth Equity

Periods Ending March 31, 2015

### eA US Large Cap Growth Equity Gross Accounts



5th Percentile
25th Percentile
Median
75th Percentile
95th Percentile
# of Portfolios

Mellon Large GrowthRussell 1000 Growth

Return (	Rank)														
6.6		15.4		20.9		24.4		19.8		18.0		13.1		12.2	
5.1		12.4		17.6		22.1		17.5		16.5		11.5		10.2	
3.7		10.4		15.2		19.9		16.1		15.3		10.4		9.3	
2.5		8.1		12.9		17.6		14.5		13.8		9.0		8.5	
0.4		4.0		8.4		13.8		11.9		11.7		7.0		7.4	
286		286		286		281		271		262		250		210	
3.8	(47)	10.5	(48)	16.1	(42)	19.6	(54)	16.4	(45)	15.7	(43)	10.7	(41)	9.4	(50)
3.8	(47)	10.4	(49)	16.1	(42)	19.6	(54)	16.3	(45)	15.6	(44)	10.7	(42)	9.4	(50)



# Equity Only Summary Statistics - Mellon Large Growth

Quarter Ending March 31, 2015

#### Characteristics

	Portfolio	Russell 1000 Growth
Number of Holdings	681	679
Weighted Avg. Market Cap. (\$B)	122.1	122.2
Median Market Cap. (\$B)	9.0	9.0
Price To Earnings	25.7	23.9
Price To Book	7.0	6.8
Price To Sales	4.2	3.6
Return on Equity (%)	26.0	25.0
Yield (%)	1.5	1.5
Beta (holdings; domestic)	1.0	1.0

Top Holdings		Best Performers	Best Performers				
APPLE	6.8%		Return %		Retu		
MICROSOFT	2.0%	GORDMANS STORES (GMAN)	204.0%	OCWEN FINANCIAL (OCN)	-45		
VERIZON COMMUNICATIONS	1.8%	HANERGY THIN FILM POWER GROUP	148.5%	ZULILY CLASS A (ZU)	-44		
FACEBOOK CLASS A	1.5%	(K:RBIH)		STRATASYS (SSYS)	-30		
0004 001 4		DURECT (DRRX)	142.0%	SANDISK (SNDK)	-34		
COCA COLA	1.5%	PHARMACYCLICS (PCYC)	109.3%	RAYONIER ADVD.MATERIALS (RYAM)	-3		
GOOGLE 'A'	1.4%	ALIBABA PICTURES GROUP (K:INTC)	105.8%	GOPRO CL.A (GPRO)	-3		
GOOGLE 'C'	1.4%	GLOBAL PORTS INVS.GDR (REGS)	102.4%	RALPH LAUREN CL.A (RL)	-28		
HOME DEPOT	1.4%	(UKIR:GLPR)	00 =0/	TIMKENSTEEL (TMST)	-28		
		NEOPHOTONICS (NPTN)	99.7%	CHESAPEAKE ENERGY (CHK)	-27		
WALT DISNEY	1.4%	RAVE RESTAURANT GROUP (RAVE)	96.6%	FOSSIL GROUP (FOSL)	-2		
INTERNATIONAL BUS.MCHS.	1.4%	RETROPHIN (RTRX)	95.8%	1 00012 01(001 (1 002)			
		EQUINAIRE CHEMTECH (IN:KIC)	92.3%				



### Total Returns - Large Cap Value Equity

Periods Ending March 31, 2015

#### eA US Large Cap Value Equity Gross Accounts



5th Percentile
25th Percentile
Median
75th Percentile
95th Percentile
# of Portfolios

Mellon Large ValueRussell 1000 Value

Return (R	ank)														
3.4		10.6		15.0		21.5		20.0		17.1		12.1		10.4	
1.5		6.4		11.8		18.1		17.8		14.9		10.0		9.2	
0.4		4.7		9.8		16.2		16.1		14.0		8.9		8.4	
-0.6		2.7		7.6		14.5		14.5		12.7		7.9		7.5	
-2.0		-2.1		3.4		11.2		12.1		11.1		6.4		6.3	
308		308		308		306		301		291		274		234	
-0.7	(77)	4.0	(60)	9.4	(56)	15.3	(66)	16.5	(44)	13.8	(54)	7.8	(78)	7.3	(79)
-0.7	(77)	4.0	(60)	9.3	(57)	15.3	(66)	16.4	(45)	13.8	(55)	7.7	(80)	7.2	(82)



# Equity Only Summary Statistics - Mellon Large Value

Quarter Ending March 31, 2015

#### Characteristics

	Portfolio	Russell 1000 Value
Number of Holdings	699	700
Weighted Avg. Market Cap. (\$B)	101.5	101.4
Median Market Cap. (\$B)	7.6	7.6
Price To Earnings	21.3	20.6
Price To Book	2.3	2.4
Price To Sales	2.6	2.4
Return on Equity (%)	12.8	12.3
Yield (%)	2.4	2.3
Beta (holdings; domestic)	1.0	1.0

HIRE HATHAWAY 'B'  2.6%  FREESCALE SEMICON. (FSL)  61.6%  APOLLO  FARGO & CO  2.6%  HOSPIRA (HSP)  ORBITAL ATK (OA)  EXELIS (XLS)  SANDISK  CALIFORNIA RESOURCES (CRC)  38.3%  SANDISK  GAN CHASE & CO.  2.3%  FIRST SOLAR (FSLR)  2.2%  BOSTON SCIENTIFIC (BSX)  AFOLLO  APOLLO  APOLLO  APOLLO  APOLLO  FREESCALE SEMICON. (FSL)  61.6%  APOLLO  APOLLO  CREESCALE SEMICON. (FSL)  APOLLO  STRATAS  EXELIS (XLS)  CALIFORNIA RESOURCES (CRC)  38.3%  SANDISK  FIRST SOLAR (FSLR)  34.1%  RAYONIE  BOSTON SCIENTIFIC (BSX)  AFOLEO  APOLLO  APOLLO  BOSTON SCIENTIFIC (BSX)  BOSTON SCIENTIFIC (BSX)  BOSTON SCIENTIFIC (BSX)  APOLLO  BOSTON SCIENTIFIC (BSX)  BO	Top Holdings		Best Performers	Best Performers			
FARGO & CO  2.6%  HOSPIRA (HSP)  ORBITAL ATK (OA)  EXELIS (XLS)  CALIFORNIA RESOURCES (CRC)  38.3%  SANDISK (SANDISK (SA	EXXON MOBIL	3.6%		Return %			
AL ELECTRIC 2.4% ORBITAL ATK (OA) 41.8% STRATASYS EXELIS (XLS) 39.6% PEABODY EXELIS (XLS) 39.6% SANDISK (SOME AND STRATASYS PEABODY EXTENSION OF THE PEABODY EXAMPLE (STATE AND STRATASYS PEABODY EXCELLED AND SOME AND STRATASYS PEABODY EXCELLED AND SOME AND S	BERKSHIRE HATHAWAY 'B'	2.6%	FREESCALE SEMICON. (FSL)	61.6%	APOLLO ED		
EXELIS (XLS) 39.6% PEABODY EI CALIFORNIA RESOURCES (CRC) 38.3% SANDISK (SI RGAN CHASE & CO. 2.3% FIRST SOLAR (FSLR) 34.1% RAYONIER A  2.2% BOSTON SCIENTIFIC (BSX) 34.0% CLIFFS NATI ER & GAMBLE 2.1% URBAN OUTFITTERS (URBN) 29.9% GOPRO CL.A  ON 2.0% MSCI (MSCI) 29.6% RALPH LAUF	VELLS FARGO & CO	2.6%	HOSPIRA (HSP)	43.4%	TIDEWATER		
EXELIS (XLS)   39.6%   PEABODY ENIT	NERAL ELECTRIC	2.4%	ORBITAL ATK (OA)	41.8%	STRATASYS (		
CALIFORNIA RESOURCES (CRC) 38.3% SANDISK (SND 38.3%			EXELIS (XLS)	39.6%	PEABODY ENE		
2.2% BOSTON SCIENTIFIC (BSX) 34.0% CLIFFS NATUR ER & GAMBLE 2.1% URBAN OUTFITTERS (URBN) 29.9% GOPRO CL.A (COMPANY DEVELOPMENT) ON 2.0% MSCI (MSCI) 29.6% RALPH LAUREI			CALIFORNIA RESOURCES (CRC)	38.3%	SANDISK (SND		
ER & GAMBLE       2.1%       URBAN OUTFITTERS (URBN)       29.9%       GOPRO CL.A (COMPANY)         ON       2.0%       PENNEY JC (JCP)       29.8%       DEVRY EDUCA         MSCI (MSCI)       29.6%       RALPH LAUREI	ORGAN CHASE & CO.	2.3%	FIRST SOLAR (FSLR)	34.1%	RAYONIER ADV		
ON 2.0% PENNEY JC (JCP) 29.8% DEVRY EDUCA MSCI (MSCI) 29.6% RALPH LAUREI	ER	2.2%	BOSTON SCIENTIFIC (BSX)	34.0%	<b>CLIFFS NATURA</b>		
ON 2.0% MSCI (MSCI) 29.6% RALPH LAUREI	CTER & GAMBLE	2.1%	URBAN OUTFITTERS (URBN)	29.9%	GOPRO CL.A (GP		
MSCI (MSCI) 29.6% RALPH LAUREI	VRON	2.0%	PENNEY JC (JCP)	29.8%	<b>DEVRY EDUCATIO</b>		
	T	1.7%	MSCI (MSCI)	29.6%	RALPH LAUREN (		



### Total Returns - Small Cap Equity

Periods Ending March 31, 2015

#### eA US Small Cap Equity Gross Accounts



5th Percentile 25th Percentile Median 75th Percentile 95th Percentile # of Portfolios

● PanAgora ▲ Russell 2000

Retu	ırn (F	Rank)															
	8.8		13.8		15.6		23.4		21.6		20.2		15.6		13.2		
(	6.3		9.4		11.5		19.9		19.2		17.8		13.4		11.3		
4	4.5		6.1		8.4		17.5		17.0		15.9		11.7		10.1		
;	3.0		2.8		5.0		14.7		14.7		14.0		10.4		9.1		
-(	0.5		-4.7		-4.1		9.9		10.8		11.5		7.8		7.2		
5	519		519		519		512		503		476		443		372		
	4.2 4.3	(56) (53)	9.7 6.0	(23) (51)	12.1 8.2	(20) (52)	 16.3	() (61)	 16.3	() (59)	 14.6	() (70)	 10.5	() (74)	 8.8	() (80)	



## Equity Only Summary Statistics - PanAgora

Quarter Ending March 31, 2015

#### Characteristics\*

	Portfolio	Russell 2000
Number of Holdings	361	1,980
Weighted Avg. Market Cap. (\$B)	2.0	2.1
Median Market Cap. (\$B)	0.6	0.7
Price To Earnings	27.8	26.4
Price To Book	3.9	3.3
Price To Sales	3.6	2.9
Return on Equity (%)	15.5	11.2
Yield (%)	1.1	1.1
Beta (holdings; domestic)	1.2	1.3

Top Holdings *		Best Performers		Worst Performers	
JACK IN THE BOX	1.72%		Return %		Return %
ISIS PHARMACEUTICALS	1.65%	COHERUS BIOSCINECES (CHRS)	87.4%	HERCULES OFFSHORE (HERO)	-58.08%
GRAPHIC PACKAGING HLDG.	1.63%	CAMBREX (CBM)	83.3%	PARAGON OFFSHORE (PGN)	-53.07%
PORTLAND GEN.ELEC.	1.56%	BARRETT BUS.SVS. (BBSI)	57.2%	SWIFT ENERGY (SFY)	-46.67%
		ARRAY BIOPHARMA (ARRY)	55.8%	WARREN RESOURCES (WRES)	-44.72%
SOVRAN SELF STORAGE	1.53%	RIGHTSIDE GROUP (NAME)	51.0%	MIDSTATES PETROLEUM (MPO)	-43.71%
MAXIMUS	1.44%	SALIX PHARMS. (SLXP)	50.3%	HIGHER ONE HOLDINGS (ONE)	-42.52%
TEAM HEALTH HOLDINGS	1.43%	HALOZYME THERAPEUTICS (HALO)	48.0%	PETROQUEST ENERGY (PQ)	-38.50%
PAREXEL INTL.	1.40%	SUPERNUS PHARMACEUTICALS (SUPN)	45.7%	CIVEO (CVEO)	-38.20%
INVESTORS BANCORP	1.36%	LIGAND PHARMS.'B' (LGND)	44.9%	ORASURE TECHS. (OSUR)	-35.50%
INVESTORS BANCORP	1.30%	1-800-FLOWERS.COM 'A' (FLWS)	43.6%	LANDS END (LE)	-33.51%
DELUXE	1.32%	,		,	

<sup>\*</sup>Data based on holdings as of 2/28/2015, due to holdings reported on a 45-day lag.



## Equity Sector Attribution - PanAgora

Quarter Ending March 31, 2015

### PanAgora Performance Attribution vs. Russell 2000

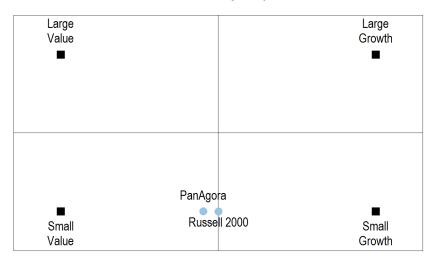
		I WIII (	U	1100 / (((110011011				
			Attribution Effect	ets	R	eturns	Secto	r Weights
	Total	Selection	Allocation					
	Effects	Effect	Effect	Effects	Portfolio	Benchmark	Portfolio	Benchmark
Energy	-0.4%	-0.6%	0.0%	0.2%	-17.9%	-0.6%	2.6%	3.5%
Materials	0.0%	0.0%	0.0%	0.0%	0.8%	0.8%	4.6%	4.6%
Industrials	0.2%	0.2%	0.0%	0.0%	3.9%	2.5%	13.8%	14.0%
Cons. Disc.	-0.1%	-0.1%	0.0%	0.0%	4.5%	5.2%	17.2%	14.0%
Cons. Staples	0.1%	0.1%	0.1%	-0.1%	4.2%	0.4%	1.5%	3.3%
Health Care	0.0%	-0.2%	0.1%	0.0%	11.0%	12.1%	16.1%	14.5%
Financials	0.1%	0.1%	0.1%	0.0%	1.7%	1.5%	22.4%	24.4%
Info. Tech	0.1%	0.2%	0.0%	0.0%	6.0%	5.1%	15.7%	17.3%
Telecomm.	0.1%	0.2%	0.0%	-0.1%	21.4%	-0.7%	0.4%	0.8%
Utilities	-0.1%	0.0%	0.0%	0.0%	0.4%	0.9%	5.0%	3.6%
Cash	0.0%	0.0%	0.0%	0.0%	0.0%		0.6%	0.0%
Portfolio	0.0%	= -0.2%	+ 0.3%	+ 0.0%	4.2%	4.1%	100.0%	100.0%



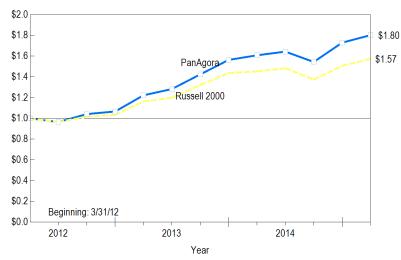
### Return Based Style Analysis - PanAgora

3 Years Ending March 31, 2015

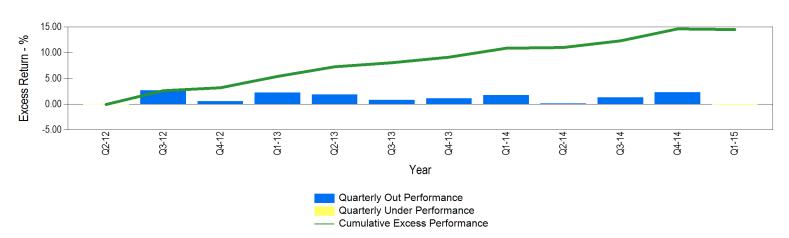
### **US Effective Style Map**



### Growth of a Dollar



#### **Quarterly and Cumulative Excess Performance**

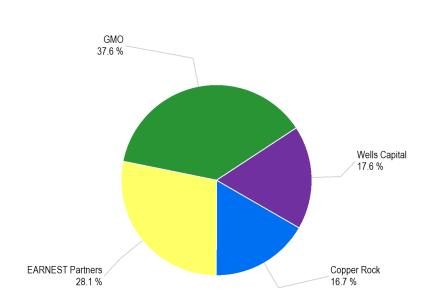




### Merced County Employees' Retirement Association

# Manager Allocation Analysis - International Equity

As of March 31, 2015

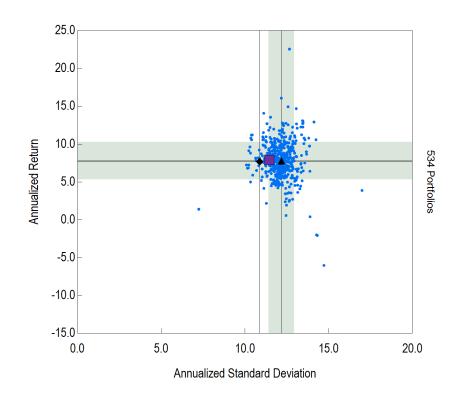


	Actual \$	Actual %
Copper Rock	\$25,640,666	16.7%
EARNEST Partners	\$43,200,405	28.1%
GMO	\$57,682,640	37.6%
Wells Capital	\$26,972,459	17.6%
Total	\$153,496,170	



### Risk vs. Return 3 Year - International Equity

Period Ending March 31, 2015



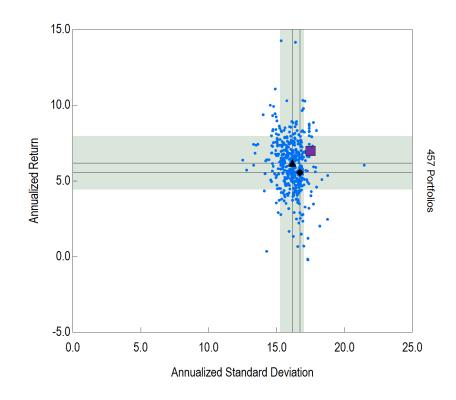
	Anlzd Return	Anlzd Return Rank	Anlzd Standard Deviation	Anlzd Standard Deviation Rank	Sharpe Ratio	Sharpe Ratio Rank
International Equity	7.9%	48	11.5%	13	0.7	43
MSCI ACWI ex US	7.7%	52	10.9%	4	0.7	39
InvestorForce All DB ex-US Eq Gross Median	7.8%		12.2%		0.6	

- International Equity
- ◆ MSCI ACWI ex US
- ▲ Universe Median
- 68% Confidence Interval
- InvestorForce All DB ex-US Eq Gross



### Risk vs. Return 5 Year - International Equity

Period Ending March 31, 2015



	Anlzd Return	Anlzd Return Rank	Anlzd Standard Deviation	Anlzd Standard Deviation Rank	Sharpe Ratio	Sharpe Ratio Rank
International Equity	7.0%	29	17.5%	97	0.4	45
MSCI ACWI ex US	5.6%	64	16.7%	80	0.3	68
InvestorForce All DB ex-US	6.2%		16.2%		0.4	

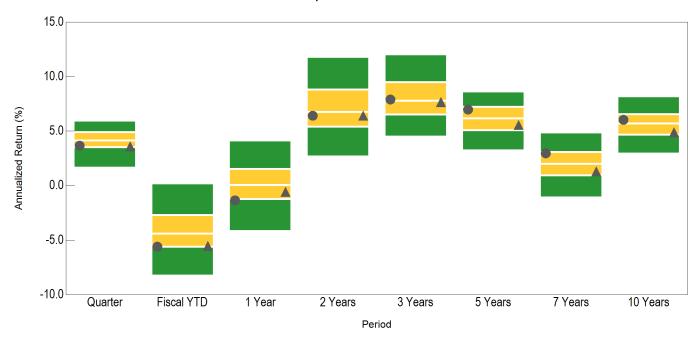
- International Equity
- ◆ MSCI ACWI ex US
- ▲ Universe Median
- 68% Confidence Interval
- InvestorForce All DB ex-US Eq Gross



## Total Returns - International Equity

Periods Ending March 31, 2015

### InvestorForce All DB ex-US Eq Gross Accounts



5th Percentile
25th Percentile
Median
75th Percentile
95th Percentile
# of Portfolios

International EquityMSCI ACWI ex US

Return (	Rank)															
5.9		0.2		4.1		11.8		12.0		8.6		4.9		8.2		
4.9		-2.7		1.6		8.8		9.5		7.2		3.1		6.6		
4.2		-4.4		0.1		6.8		7.8		6.2		2.0		5.7		
3.5		-5.6		-1.2		5.4		6.6		5.1		1.0		4.7		
1.6		-8.3		-4.2		2.7		4.5		3.3		-1.1		3.0		
620		611		603		562		534		457		337		234		
3.7 3.6	(69) (72)	-5.6 -5.5	(75) (74)	-1.4 -0.6	(77) (63)	6.4 6.4	(56) (56)	7.9 7.7	(48) (52)	7.0 5.6	(29) (64)	3.0 1.3	(28) (69)	6.0 4.9	(42) (71)	



# Equity Only Summary Statistics - International Equity

Quarter Ending March 31, 2015

#### Characteristics

	Portfolio	MSCI ACWI ex USA Gross
Number of Holdings	1,547	1,841
Weighted Avg. Market Cap. (\$B)	39.0	53.3
Median Market Cap. (\$B)	4.9	6.9
Price To Earnings	21.4	20.5
Price To Book	3.2	2.6
Price To Sales	2.3	2.1
Return on Equity (%)	15.4	15.3
Yield (%)	2.7	2.7
Beta (holdings; global)	1.0	0.9

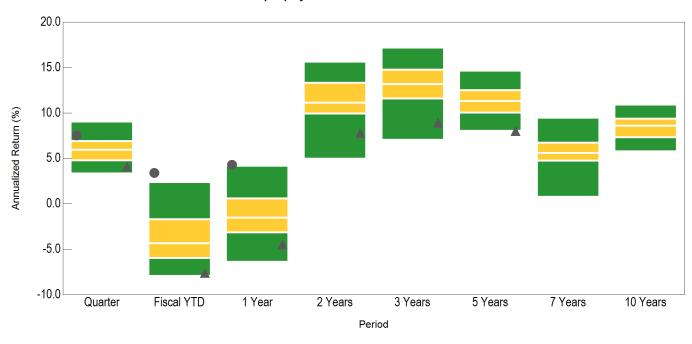
Top Holdings		Best Performers		Worst Performers	
TOTAL	1.5%		Return %		Return %
SAMSUNG ELECTRONICS	1.5%	HANERGY THIN FILM POWER GROUP	148.5%	BANK OF PIRAEUS (G:PEIR)	-65.0%
BP	1.3%	(K:RBIH)		MAGNACHIP SEMICONDUCTOR (MX)	-57.9%
NISSAN MOTOR	1.3%	ALIBABA PICTURES GROUP (K:INTC)	105.8%	GOL LINHAS AEREAS INTELIGENTES	-57.7%
		GLOBAL PORTS INVS.GDR (REGS)	102.4%	ADS ADR 1:1 (GOL)	-51.176
ARM HDG.SPN.ADR 1:3	1.2%	(UKIR:GLPR)		GOL LINHAS AEREAS INTELIGENTES PN	-57.2%
ICON	1.2%	EQUINAIRE CHEMTECH (IN:KIC)	92.3%	(BR:GI4)	
SHIRE	1.2%	CELLTRION (KO:ORC)	78.3%	OI PF.SHS.SPN.ADR 1:1 (OIBR)	-51.7%
BASF		YUANTA SECURITIES KOREA (KO:DNT)	67.1%	OI PN (BR:LR4)	-50.4%
BASE	1.1%	KOZA ALTIN ISLETMELERI (TK:KAI)	62.5%	GENOMMA LAB INTERNATIONAL	-50.2%
ASTRAZENECA	1.1%	GEELY AUTOMOBILE HDG. (K:MANR)	61.6%	(MX:GLI)	
ROYAL DUTCH SHELL A(LON)	1.0%	HANSSEM (KO:HEM)	59.6%	EUROBANK ERGASIAS (G:EFG)	-50.2%
,		SANSIRI FB (Q:SASF)	58.4%	ALPHA BANK (G:PIST)	-47.8%
STRATEGIC INVESTMENT SOLUTIONS		, ,		BRASKEM PN SERIES 'A' (BR:KM5)	-47.7% Page 48



### Total Returns - EAFE Small Cap Equity

Periods Ending March 31, 2015

### eA EAFE Small Cap Equity Gross Accounts



	Return	(Rank)													
5th Percentile	9.0	2	.4	4.2		15.6		17.2		14.6		9.5		10.9	
25th Percentile	6.9	-1	.7	0.6		13.3		14.8		12.5		6.7		9.4	
Median	6.0	-4	.3	-1.5		11.1		13.2		11.3		5.6		8.6	
75th Percentile	4.8	-5	.9	-3.1		10.0		11.6		10.1		4.8		7.3	
95th Percentile	3.3	-7	.9	-6.4		5.0		7.1		8.1		8.0		5.8	
# of Portfolios	56		56	56		55		53		47		41		28	
<ul><li>Copper Rock</li></ul>	7.5	(12)	.4 (2)	4.3	(4)		()		()		()		()		()
MSCI World ex US Small	I Cap GD 4.1	(87) -7	.6 (94)	-4.5	(90)	7.8	(88)	8.9	(90)	8.0	(96)		()		()



## Equity Only Summary Statistics - Copper Rock

Quarter Ending March 31, 2015

#### Characteristics

	Portfolio	MSCI World ex USA Small Cap
Number of Holdings	93	2,437
Weighted Avg. Market Cap. (\$B)	2.6	2.2
Median Market Cap. (\$B)	2.0	0.9
Price To Earnings	23.5	20.7
Price To Book	4.0	2.4
Price To Sales	2.3	1.8
Return on Equity (%)	18.5	12.6
Yield (%)	2.0	2.2
Beta (holdings; global)	1.1	1.0

Top Holdings		Best Performe
FASTIGHETS BALDER 'B'	2.2%	
HANSSEM	2.2%	HANSSEM (KO:HEM)
GREENCORE GROUP	2.1%	ION BEAM APPLICATIONS (B:IBA)
HOSHIZAKI ELECTRIC	1.7%	OPTIMAL PAYMENTS (UKIR:OPAY
STROEER MEDIA	1.5%	HOSHIZAKI ELECTRIC (J:HSZK)
		ZENKOKU HOSHO (J:ZENH)
ZENKOKU HOSHO	1.5%	AUSTRIAMICROSYSTEMS (S:AMS
INTERPUMP GROUP	1.4%	POLA ORBIS HOLDINGS (J:POLA)
ELEMENT FINANCIAL	1.4%	IRISO ELECTRONICS (J:IRIS)
SMURFIT KAPPA GROUP	1.4%	GRAND CITY PROPERTIES (D:GYO
SMORTH RALL A GROOT		ALPS ELECTRIC (J:AL@N)
HENDERSON GROUP	1.4%	, - ,

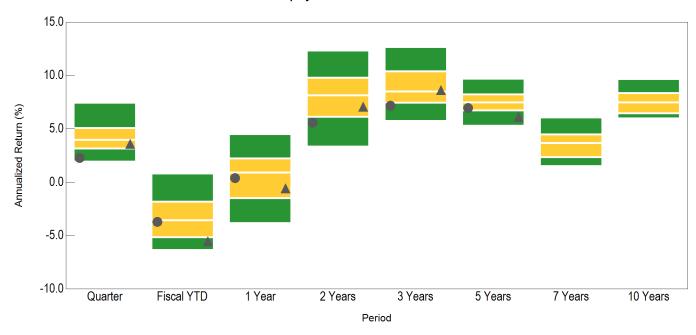
Best Performers		Worst Performers	
	Return %		Return %
HANSSEM (KO:HEM)	59.6%	SINO GRNS.FOOD IND.GP. (T:SGF)	-33.5%
ION BEAM APPLICATIONS (B:IBA)	47.9%	ARYZTA (S:ARYN)	-19.7%
OPTIMAL PAYMENTS (UKIR:OPAY)	46.7%	WESTJET AIRL.VAR.SHS. (C:WJA.A)	-19.0%
HOSHIZAKI ELECTRIC (J:HSZK)	34.0%	LEOPALACE21 (J:MDI)	-17.7%
ZENKOKU HOSHO (J:ZENH)	32.4%	PASON SYS. (C:PSI)	-15.8%
AUSTRIAMICROSYSTEMS (S:AMS)	31.7%	SALMAR (N:SALM)	-15.4%
POLA ORBIS HOLDINGS (J:POLA)	31.2%	TUBACEX (E:TUB)	-14.4%
IRISO ELECTRONICS (J:IRIS)	30.9%	INTERTAPE POLYMER GP. (C:ITP)	-13.1%
GRAND CITY PROPERTIES (D:GYC)	26.4%	STANTEC (C:STN)	-12.9%
ALPS ELECTRIC (J:AL@N)	26.1%	ATKINS (WS) (UKIR:ATK)	-11.1%



## Total Returns - ACWI ex-US Core Equity

Periods Ending March 31, 2015

#### eA ACWI ex-US Core Equity Gross Accounts



5th Percentile
25th Percentile
Median
75th Percentile
95th Percentile
# of Portfolios

EARNEST PartnersMSCI ACWI ex US

Return (	Rank)														
7.4		0.8		4.5		12.3		12.6		9.7		6.1		9.6	
5.1		-1.8		2.2		9.8		10.4		8.2		4.5		8.4	
4.0		-3.5		0.9		8.1		8.5		7.5		3.7		7.5	
3.2		-5.2		-1.5		6.2		7.5		6.7		2.4		6.5	
1.9		-6.3		-3.8		3.4		5.7		5.3		1.5		6.0	
61		61		60		59		56		49		41		32	
2.3	(92)	-3.7	(54)	0.4	(57)	5.6	(82)	7.2	(83)	6.9	(71)		()		()
3.6	(62)	-5.5	(77)	-0.6	(67)	7.1	(68)	8.6	(49)	6.1	(78)		()		()



# Equity Only Summary Statistics - EARNEST Partners

Quarter Ending March 31, 2015

#### Characteristics

	Portfolio	MSCI ACWI ex USA Gross
Number of Holdings	64	1,841
Weighted Avg. Market Cap. (\$B)	43.3	53.3
Median Market Cap. (\$B)	20.0	6.9
Price To Earnings	20.5	20.5
Price To Book	3.5	2.6
Price To Sales	2.5	2.1
Return on Equity (%)	17.3	15.3
Yield (%)	2.2	2.7
Beta (holdings; global)	1.1	0.9

Top Holdings	
ARM HDG.SPN.ADR 1:3	4.8%
ICON	4.8%
SHIRE	4.6%
DENSO	3.4%
AMADEUS IT HOLDING	3.3%
EVEREST RE GP.	3.2%
NOVARTIS 'B' SPN.ADR 1:1	3.2%
ROCHE HOLDING	3.0%
DNB	2.9%
CARNIVAL	2.8%

Best Performers	
	Return %
ICON (ICLR)	38.3%
ADVANCED SEMICON.ENGR. SPN.ADR 1:5 (ASX)	17.5%
BASF (D:BAS)	17.2%
SECOM (J:KP@N)	16.4%
SOCIETE GENERALE (F:SGE)	14.1%
SHIRE (UKIR:SHP)	12.9%
GETINGE (W:GIND)	10.5%
NOVARTIS 'B' SPN.ADR 1:1 (NVS)	9.4%
DNB (N:DNB)	9.0%
AMADEUS IT HOLDING (E:AMS)	8.0%

Worst Performers	
	Return %
QUALICORP ON (BR:QUA)	-31.8%
AKBANK (TK:AKB)	-19.0%
TKI.GARANTI BKSI. (TK:GAR)	-18.5%
BANCO DO BRASIL ON (BR:IO3)	-18.2%
BANCOLOMBIA PF.SPN.ADR 1:4 (CIB)	-17.9%
TRANSOCEAN (RIG)	-16.6%
BNC.BRADESCO PF.SPN.ADR 1:1 (BBD)	-16.3%
SUBSEA 7 (N:SUBC)	-15.7%
ROGERS COMMS.'B' (NYS) (RCI)	-12.9%
CORE LABORATORIES (CLB)	-12.7%



### Total Returns - EAFE Core Equity

Periods Ending March 31, 2015

### **eA EAFE Core Equity Gross Accounts**



■ GMO▲ MSCI EAFE Gross

Return (I	Rank)															
8.0		1.0		5.3		14.2		15.1		13.1		7.2		9.3		
6.1		-2.2		1.8		11.2		12.1		10.4		5.0		7.6		
5.1		-3.6		-0.2		9.7		10.7		8.2		3.4		6.7		
4.1		-5.3		-1.8		7.9		9.2		7.1		2.2		5.9		
2.6		-8.2		-5.7		6.1		7.2		5.8		1.2		4.8		
129		129		129		128		124		110		94		67		
4.6	(64)	-9.3	(99)	-4.1	(91)	9.0	(59)	10.2	(58)	7.8	(60)	2.7	(62)		()	
5.0	(52)	-4.6	(67)	-0.5	(54)	8.4	(68)	9.5	(72)	6.6	(82)	2.0	(78)	5.4	(88)	



# Equity Only Summary Statistics - GMO

Quarter Ending March 31, 2015

#### Characteristics

Weighted Avg. Market Cap. (\$B)       50.4       59         Median Market Cap. (\$B)       4.9       9         Price To Earnings       21.5       21         Price To Book       2.2       2		Portfolio	MSCI EAFE Gross
Median Market Cap. (\$B)       4.9       9         Price To Earnings       21.5       21         Price To Book       2.2       2	Number of Holdings	1,376	910
Price To Earnings         21.5         21           Price To Book         2.2         2	Weighted Avg. Market Cap. (\$B)	50.4	59.0
Price To Book 2.2 2	Median Market Cap. (\$B)	4.9	9.1
	Price To Earnings	21.5	21.2
Price To Sales 1.3 2	Price To Book	2.2	2.6
	Price To Sales	1.3	2.0
Return on Equity (%) 12.2	Return on Equity (%)	12.2	14.3
Yield (%) 3.5 2	Yield (%)	3.5	2.8
Beta (holdings; global) 1.0 1	Beta (holdings; global)	1.0	1.0

Top Holdings						
TOTAL	3.9%					
BP	3.4%					
NISSAN MOTOR	3.3%					
ASTRAZENECA	2.7%					
ROYAL DUTCH SHELL A(LON)	2.5%					
BASF	2.1%					
RENAULT	2.0%					
TELEFONICA	1.8%					
DAIMLER	1.6%					
VODAFONE GROUP	1.5%					

Best Performers	
	Return %
HANERGY THIN FILM POWER GROUP (K:RBIH)	148.5%
ALIBABA PICTURES GROUP (K:INTC)	105.8%
GLOBAL PORTS INVS.GDR (REGS) (UKIR:GLPR)	102.4%
EQUINAIRE CHEMTECH (IN:KIC)	92.3%
CELLTRION (KO:ORC)	78.3%
YUANTA SECURITIES KOREA (KO:DNT)	67.1%
KOZA ALTIN ISLETMELERI (TK:KAI)	62.5%
GEELY AUTOMOBILE HDG. (K:MANR)	61.6%
SANSIRI FB (Q:SASF)	58.4%
IRPC NVDR (FRA) (D:NVPF)	57.8%

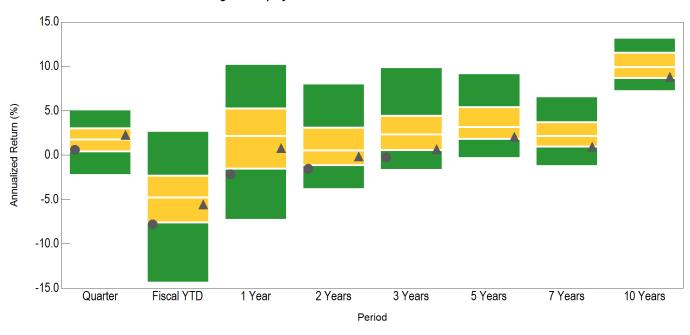
Worst Performers						
	Return %					
BANK OF PIRAEUS (G:PEIR)	-65.0%					
MAGNACHIP SEMICONDUCTOR (MX)	-57.9%					
GOL LINHAS AEREAS INTELIGENTES ADS ADR 1:1 (GOL)	-57.7%					
GOL LINHAS AEREAS INTELIGENTES PN (BR:GI4)	-57.2%					
OI PF.SHS.SPN.ADR 1:1 (OIBR)	-51.7%					
OI PN (BR:LR4)	-50.4%					
GENOMMA LAB INTERNATIONAL (MX:GLI)	-50.2%					
EUROBANK ERGASIAS (G:EFG)	-50.2%					
ALPHA BANK (G:PIST)	-47.8%					
BRASKEM PN SERIES 'A' (BR:KM5)	-47.7%					



## Total Returns - Emg Mkts Equity

Periods Ending March 31, 2015

### eA Emg Mkts Equity Gross Accounts



	Return (	Rank)														
5th Percentile	5.1		2.7		10.3		8.1		9.9		9.2		6.6		13.2	
25th Percentile	3.0		-2.3		5.3		3.1		4.4		5.4		3.7		11.6	
Median	1.8		-4.8		2.2		0.6		2.4		3.2		2.2		9.9	
75th Percentile	0.5		-7.6		-1.5		-1.1		0.6		1.8		1.0		8.7	
95th Percentile	-2.2		-14.4		-7.3		-3.8		-1.7		-0.3		-1.2		7.2	
# of Portfolios	232		232		232		219		193		147		124		78	
Wells Capital	0.6	(72)	-7.8	(77)	-2.2	(81)	-1.5	(79)	-0.2	(86)		()		()		()
MSCI Emerging Markets Gross	2.3	(38)	-5.5	(59)	8.0	(60)	-0.1	(63)	0.7	(75)	2.1	(70)	1.0	(76)	8.8	(73)



# Equity Only Summary Statistics - Wells Capital

Quarter Ending March 31, 2015

### Characteristics

	Portfolio	MSCI Emerging Markets Gross
Number of Holdings	110	836
Weighted Avg. Market Cap. (\$B)	43.6	40.1
Median Market Cap. (\$B)	10.9	4.8
Price To Earnings	20.4	19.0
Price To Book	3.6	2.6
Price To Sales	3.2	2.3
Return on Equity (%)	16.9	17.8
Yield (%)	2.2	2.5
Beta (holdings; global)	1.0	0.9

Top Holdings	
SAMSUNG ELECTRONICS	5.2%
TAIWAN SEMICON.SPN.ADR 1:5	3.6%
CHINA LIFE INSURANCE 'H'	3.3%
CHINA MOBILE	3.2%
FOM.ECO.MEXNO.SAB DE CV SPN.ADR 1:10	2.6%
AIA GROUP	2.0%
AMERICA MOVIL SAB DE CV SPN.ADR 'L' 1:20	1.9%
HDFC BANK ADR 1:3	1.9%
RELIANCE INDS.GDR 144A	1.8%
BELLE INTERNATIONAL HDG.	1.8%

Best Performers	
	Return %
VIPSHOP HOLDINGS ADR 5:1 (VIPS)	50.7%
AMOREPACIFIC (KO:AMN)	49.7%
CAR (K:CARI)	41.1%
MOBL.TELSMS.OJSC SPN.ADR 1:2 (MBT)	40.7%
CTRIP.COM INTL.ADR 4:1 (CTRP)	28.8%
LI NING (K:LNIN)	27.9%
MATAHARI DEPARTMENT SOE. (ID:MDS)	24.4%
METROPOLITAN BK.& TST. (PH:MTB)	22.5%
MAGNIT (RS:MGN)	20.8%
LUKOIL OAO ADR. (LON) (UKIR:LKOD)	18.4%

Worst Performers	
	Return %
RUMO LOG.OPD.MULTIMODAL (BR:P3M)	-34.7%
VALE PREFERRED ADR 1:1 (VALE.P)	-33.2%
VALE ON ADR 1:1 (VALE)	-30.9%
B2W COMPANHIA DIGITAL ON (BR:B2W)	-26.1%
IMPALA PLATINUM (R:IMPJ)	-25.9%
LOJAS AMERICANAS PN REP1 PN (BR:LM4)	-20.3%
PTRO.BRAO.ADR 1:2 (PBRA)	-19.7%
TIGER BRANDS (R:TBSJ)	-19.4%
BANCOLOMBIA PF.SPN.ADR 1:4 (CIB)	-17.9%
SAMSUNG LIFE INSURANCE (KO:SFC)	-17.8%



### Merced County Employees' Retirement Association

# Manager Allocation Analysis - US Fixed Income

As of March 31, 2015

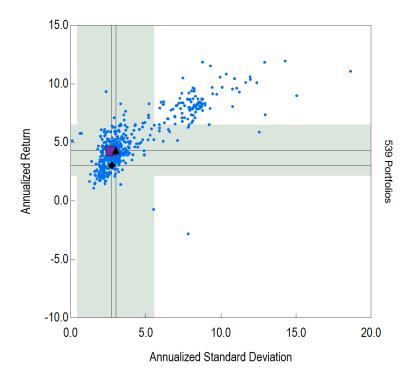
Barrow Hanley 68.4 %	Guggenheim Loan 11.7 %
	11.7 %  AXA 19.9 %

	Actual \$	Actual %
AXA	\$34,620,680	19.9%
Barrow Hanley	\$118,868,001	68.4%
Guggenheim Loan	\$20,288,111	11.7%
Total	\$173,776,792	



### Risk vs. Return 3 Year - US Fixed Income

Period Ending March 31, 2015



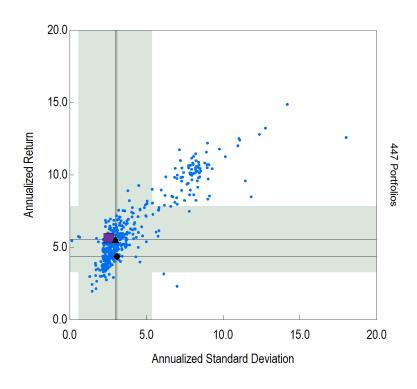
- US Fixed Income
- ◆ US Fixed Custom
- ▲ Universe Median
- 68% Confidence Interval
- InvestorForce All DB US Fix Inc Gross

	Anlzd Return	Anlzd Return Rank	Anlzd Standard Deviation	Anlzd Standard Deviation Rank	Sharpe Ratio	Sharpe Ratio Rank
US Fixed Income	4.3%	51	2.7%	31	1.6	22
US Fixed Custom	3.0%	83	2.7%	34	1.1	68
InvestorForce All DB US Fix Inc Gross Median	4.3%		3.0%		1.2	



### Risk vs. Return 5 Year - US Fixed Income

Period Ending March 31, 2015



	Anlzd Return	Anlzd Return Rank	Anlzd Standard Deviation	Anlzd Standard Deviation Rank	Sharpe Ratio	Sharpe Ratio Rank
US Fixed Income	5.7%	47	2.7%	36	2.0	17
US Fixed Custom	4.4%	83	2.8%	38	1.6	63
InvestorForce All DB US Fix Inc Gross Median	5.6%		3.0%		1.6	

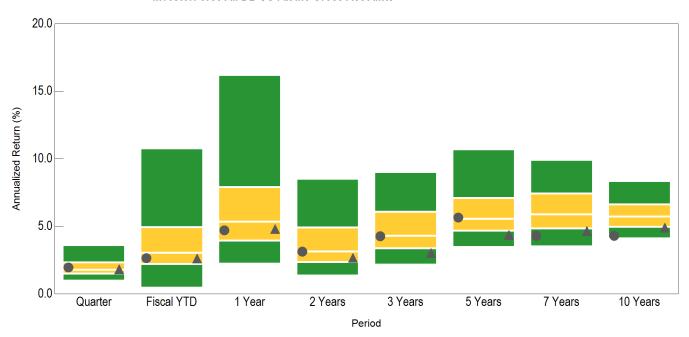
- US Fixed Income
- US Fixed Custom
- ▲ Universe Median
- 68% Confidence Interval
- InvestorForce All DB US Fix Inc Gross



### Total Returns - US Fixed Income

Periods Ending March 31, 2015

#### InvestorForce All DB US Fix Inc Gross Accounts



5th Percentile
25th Percentile
Median
75th Percentile
95th Percentile
# of Portfolios

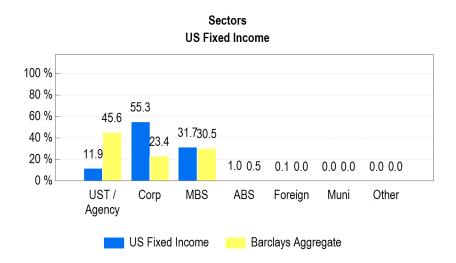
US Fixed IncomeUS Fixed Custom

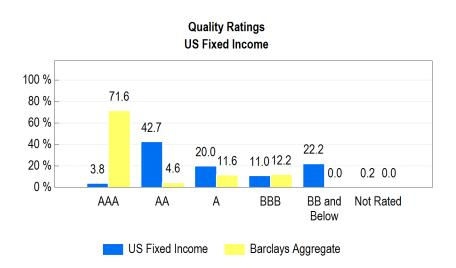
Return (	Rank)															
3.6		10.8		16.2		8.5		9.0		10.7		9.9		8.4		
2.3		5.0		7.9		4.9		6.1		7.1		7.4		6.6		
1.8		3.1		5.4		3.2		4.3		5.6		5.9		5.7		
1.5		2.2		4.0		2.4		3.4		4.7		4.9		5.0		
1.0		0.5		2.2		1.4		2.2		3.5		3.5		4.1		
608		598		594		559		539		447		338		273		
2.0	(39)	2.6	(60)	4.7	(63)	3.1	(52)	4.3	(51)	5.7	(47)	4.3	(85)	4.3	(93)	
1.8	(48)	2.6	(60)	4.8	(62)	2.7	(68)	3.0	(83)	4.4	(83)	4.7	(80)	4.9	(78)	

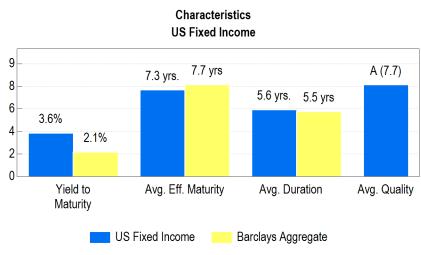


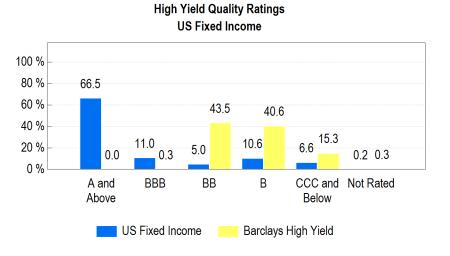
### Bond Summary Statistics - US Fixed Income

As of March 31, 2015





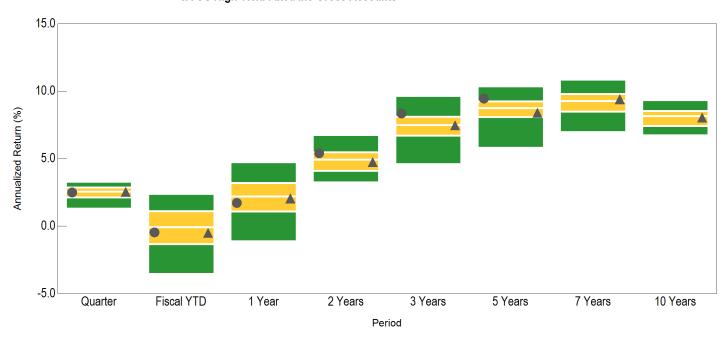




### Total Returns - US High Yield Fixed Income

Periods Ending March 31, 2015

### eA US High Yield Fixed Inc Gross Accounts

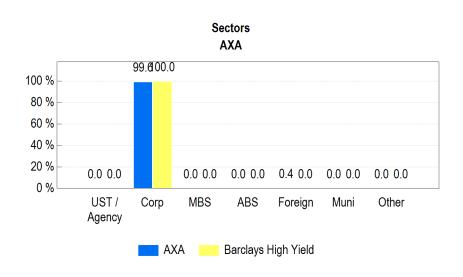


	Return (F	Rank)														
5th Percentile	3.3	-	2.4		4.7		6.8		9.6		10.3		10.8		9.3	
25th Percentile	2.9		1.1		3.2		5.5		8.1		9.2		9.8		8.6	
Median	2.6		-0.1		2.2		4.9		7.5		8.8		9.3		8.2	
75th Percentile	2.1		-1.3		1.1		4.1		6.7		8.1		8.5		7.4	
95th Percentile	1.3		-3.5		-1.1		3.2		4.6		5.8		7.0		6.7	
# of Portfolios	143		143		143		142		136		121		109		101	
• AXA	2.5	(56)	-0.5	(57)	1.7	(62)	5.4	(29)	8.3	(20)	9.5	(18)		()		()
BofA Merrill Lynch US High Yield Mast	er II TR 2.5	(53)	-0.5	(57)	2.1	(55)	4.8	(57)	7.5	(53)	8.4	(67)	9.4	(44)	8.0	(58)

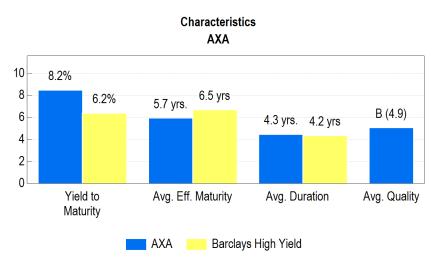


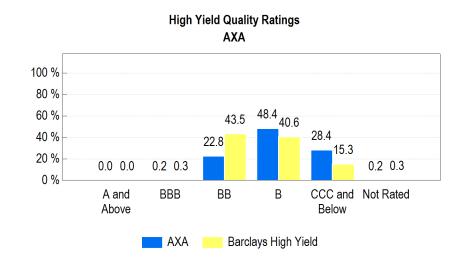
### **Bond Summary Statistics - AXA**

As of March 31, 2015







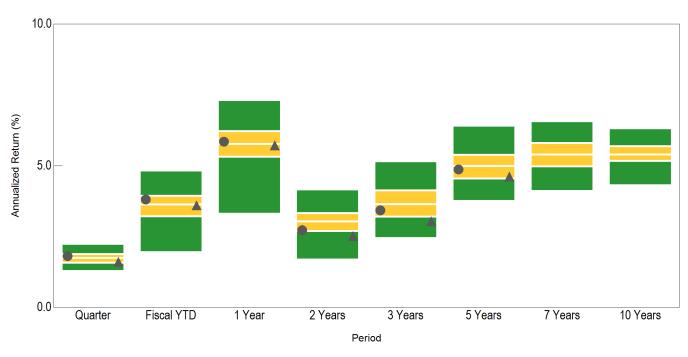




### Total Returns - US Core Fixed Income

Periods Ending March 31, 2015

#### **eA US Core Fixed Inc Gross Accounts**



5th Percentile
25th Percentile
Median
75th Percentile
95th Percentile
# of Portfolios

Barrow HanleyBarclays Aggregate

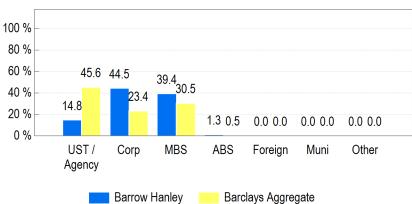
Return (l	Rank)															
2.2		4.8		7.3		4.2		5.2		6.4		6.6		6.3		
1.9		3.9		6.2		3.3		4.1		5.4		5.8		5.7		
1.8		3.6		5.8		3.0		3.7		5.0		5.4		5.4		
1.6		3.2		5.3		2.7		3.2		4.6		5.0		5.2		
1.3		2.0		3.3		1.7		2.5		3.8		4.1		4.3		
214		214		214		213		213		206		199		185		
1.8	(39)	3.8	(35)	5.8	(47)	2.7	(72)	3.4	(62)	4.9	(60)		()		()	
1.6	(71)	3.6	(53)	5.7	(54)	2.5	(81)	3.0	(83)	4.6	(73)		()		()	



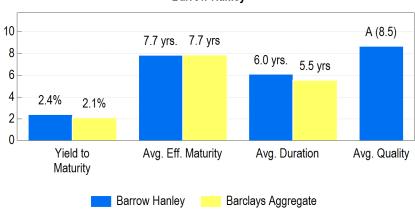
### Bond Summary Statistics - Barrow Hanley

As of March 31, 2015

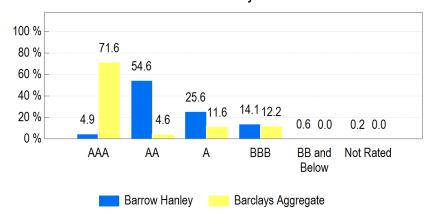




### Characteristics Barrow Hanley



### Quality Ratings Barrow Hanley

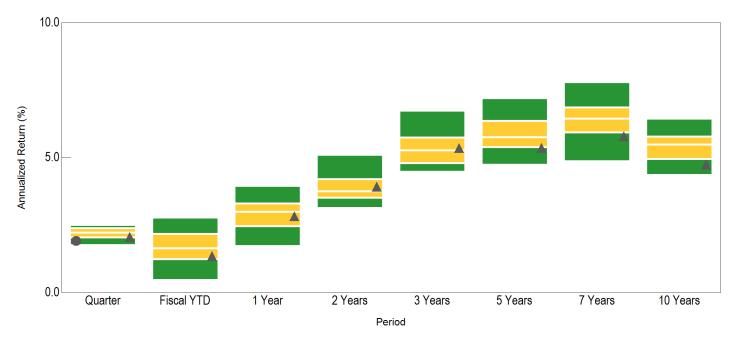




### Total Returns - Float-Rate Bank Loan

Periods Ending March 31, 2015

#### eA Float-Rate Bank Loan Gross Accounts



5th Percentile 25th Percentile
Median
75th Percentile
95th Percentile
# of Portfolios
Guggenheim Loan Credit Suisse Leveraged Loans

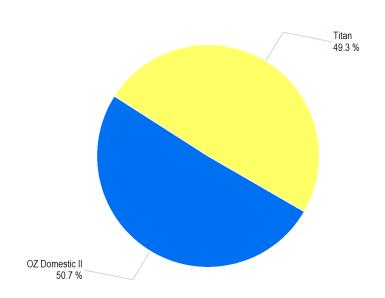
Return (R	ank)														
2.5		2.8		3.9		5.1		6.7		7.2		7.8		6.4	
2.4		2.2		3.3		4.2		5.8		6.4		6.9		5.8	
2.2		1.7		3.0		3.8		5.3		5.8		6.4		5.5	
2.1		1.2		2.5		3.5		4.8		5.4		5.9		5.0	
1.8		0.5		1.7		3.1		4.5		4.7		4.9		4.4	
49		49		49		45		44		39		30		17	
1.9	(85)		()		()		()		()		()		()		()
2.1	(74)	1.4	(69)	2.8	(55)	3.9	(42)	5.4	(47)	5.4	(77)	5.8	(79)	4.7	(83)



### Merced County Employees' Retirement Association

# Manager Allocation Analysis - Hedge Fund

As of March 31, 2015



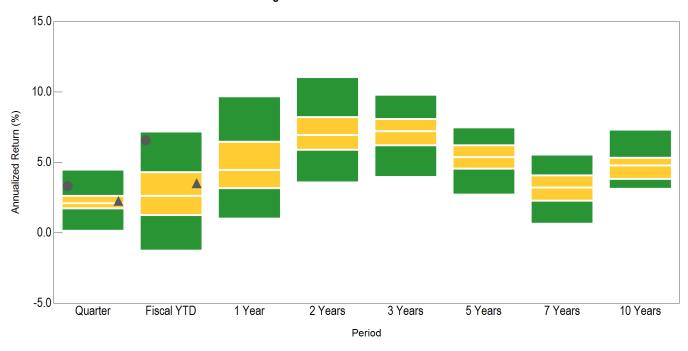
	Actual \$	Actual %
OZ Domestic II	\$15,133,143	50.7%
Titan	\$14,704,879	49.3%
Total	\$29,838,022	



### Total Returns - All DB Hedge Funds

Periods Ending March 31, 2015

### InvestorForce All DB Hedge Funds Gross Accounts



5th Percentile
25th Percentile
Median
75th Percentile
95th Percentile
# of Portfolios

Hedge FundHedge Fund Custom

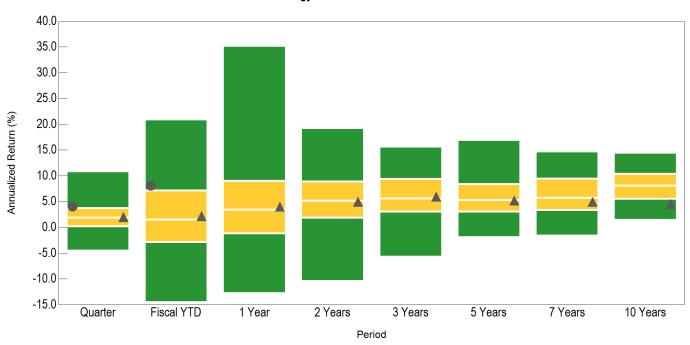
Return (Ra	ank)														
4.5		7.2		9.7		11.0		9.8		7.5		5.5		7.3	
2.6		4.3		6.5		8.2		8.1		6.2		4.1		5.3	
2.1		2.6		4.5		7.0		7.2		5.4		3.2		4.8	
1.7		1.3		3.2		5.9		6.2		4.6		2.3		3.9	
0.2		-1.3		1.0		3.6		4.0		2.7		0.7		3.1	
302		298		297		278		272		189		143		46	
3.3	(16)	6.6	(8)		()		()		()		()		()		()
2.3	(39)	3.5	(34)		()		()		()		()		()		()



### Total Returns - Alt All Multi-Strategy Net

Periods Ending March 31, 2015

### eV Alt All Multi-Strategy Accounts



	Return (	Rank)														
5th Percentile	10.9		20.9		35.2		19.2		15.6		16.9		14.7		14.5	
25th Percentile	3.8		7.2		9.1		9.0		9.5		8.4		9.5		10.4	
Median	1.9		1.5		3.5		5.2		5.7		5.3		5.8		8.2	
75th Percentile	0.2		-2.8		-1.1		1.9		3.1		3.1		3.4		5.6	
95th Percentile	-4.5		-14.5		-12.7		-10.3		-5.7		-1.9		-1.6		1.5	
# of Portfolios	228		216		208		186		165		136		92		45	
OZ Domestic II	4.0	(24)	8.1	(23)		()		()		()		()		()		
HFRI RV: Multi-Strategy Index	2.0	(49)	2.2	(45)	4.0	(46)	5.0	(52)	6.0	(44)	5.2	(51)	5.0	(63)	4.6	

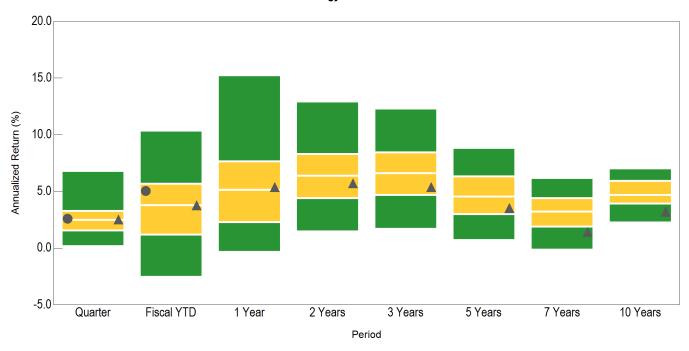


(--) (89)

### Total Returns - Alt Fund of Funds - Multi-Strategy Net

Periods Ending March 31, 2015

### eV Alt Fund of Funds - Multi-Strategy Accounts



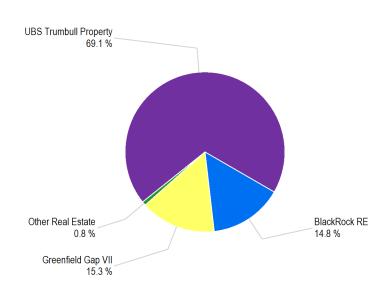
	Return (F	Rank)														
5th Percentile	6.8		10.3		15.2		12.9		12.3		8.8		6.2		7.0	
25th Percentile	3.3		5.7		7.7		8.3		8.5		6.3		4.4		5.9	
Median	2.5		3.8		5.1		6.4		6.6		4.5		3.2		4.7	
75th Percentile	1.6		1.2		2.3		4.4		4.7		3.0		1.9		3.9	
95th Percentile	0.2		-2.5		-0.3		1.5		1.7		0.7		-0.1		2.3	
# of Portfolios	189		189		187		182		179		165		141		112	
Titan	2.6	(47)	5.0	(34)		()		()		()		()		()		()
HFRI Fund of Funds Composite Index	2.5	(50)	3.8	(51)	5.4	(47)	5.7	(61)	5.4	(67)	3.5	(67)	1.4	(82)	3.2	(85)



### Merced County Employees' Retirement Association

### Manager Allocation Analysis - Real Estate

As of March 31, 2015



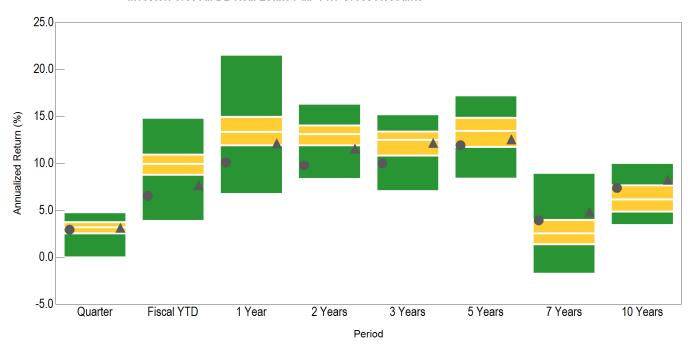
	Actual \$	Actual %
BlackRock RE	\$7,956,825	14.8%
Greenfield Gap VII	\$8,204,635	15.3%
Other Real Estate	\$430,000	0.8%
UBS Trumbull Property	\$37,065,023	69.1%
Total	\$53,656,483	



### Total Returns - Real Estate

Periods Ending March 31, 2015

#### InvestorForce All DB Real Estate Pub+Priv Gross Accounts



5th Percentile
25th Percentile
Median
75th Percentile
95th Percentile
# of Portfolios

■ Real Estate▲ NCREIF ODCE net

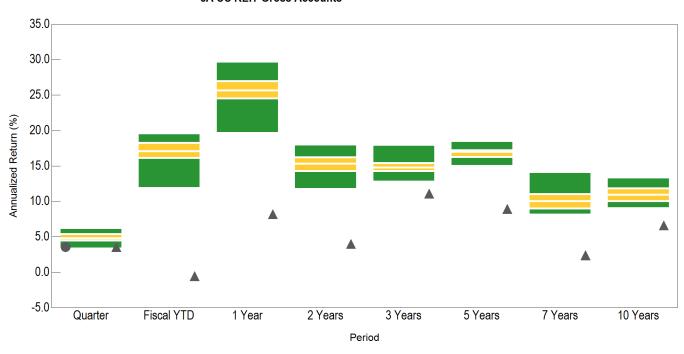
Return (	Rank)														
4.8		14.8		21.6		16.3		15.2		17.2		9.0		10.0	
3.8		11.0		15.0		14.1		13.4		14.9		4.0		7.7	
3.2		9.9		13.4		13.1		12.5		13.5		2.6		6.2	
2.6		8.8		11.9		11.9		10.9		11.8		1.4		4.9	
0.0		3.9		6.8		8.4		7.1		8.4		-1.7		3.4	
195		189		182		159		141		101		72		52	
2.9	(60)	6.5	(89)	10.1	(92)	9.8	(92)	10.0	(84)	11.9	(70)	3.9	(27)	7.4	(31)
3.2	(52)	7.7	(81)	12.2	(73)	11.6	(80)	12.2	(56)	12.6	(62)	4.8	(18)	8.3	(18)



### Total Returns - US REIT

Periods Ending March 31, 2015

#### **eA US REIT Gross Accounts**



	Return (I	Rank)														
5th Percentile	6.2		19.6		29.7		18.0		17.9		18.5		14.1		13.4	
25th Percentile	5.4		18.3		27.0		16.2		15.4		17.2		11.1		11.9	
Median	4.8		17.1		25.7		15.3		14.8		17.0		10.1		11.0	
75th Percentile	4.5		16.2		24.6		14.3		14.3		16.3		9.0		10.1	
95th Percentile	3.4		11.9		19.7		11.8		12.8		15.0		8.1		9.1	
# of Portfolios	45		45		45		45		45		43		41		40	
BlackRock RE	3.6	(95)		()		()		()		()		()		()		()
▲ FTSE NAREIT Developed ex US Gross	3.6	(94)	-0.5	(99)	8.2	(99)	4.0	(99)	11.1	(99)	8.9	(99)	2.4	(99)	6.6	(99)



Total Plan Policy Index	As of:							
-	1/1/15	8/1/14	7/1/14	7/1/13	6/1/13	4/1/13	4/1/12	1/1/10
91-day US T Bill								
Barclays Aggregate	20.50%	20.5%	23.5%	29%	29%	24%	24%	24%
Barclays US TIPS						5%	5%	5%
BofA ML High Yield II	5.00%	5.0%	5.0%	5%	5%	5%	5%	5%
CPI +4%								
Credit Suisse Leveraged Loan	3.00%	3.0%						
FTSE NAREIT Developed		1.4%	1.4%	2%	2%	2%	2%	2%
FTSE NAREIT Developed ex US		1.3%	1.3%					
HFRI Fund of Funds Composite	2.25%	4.5%	4.5%					
HFRI RV Multi-strategy	2.25%							
MSCI ACWI ex US	23.60%	23.6%	23.6%	24%				
MSCI EAFE					20%	20%	20%	24%
MSCI Emerging Markets					4%	4%	4%	
NCREIF								
NCREIF ODCE		5.3%	5.3%	6%	6%	6%	6%	6%
NCREIF ODCE net	8.00%							
Russell 1000	22.70%	22.7%	22.7%	25%	25%			
Russell 2000	5.70%	5.7%	5.7%	4%	4%	6%	6%	4%
Russell 3000 +3% 1QL (PE)	7.00%	7.0%	7.0%	5%	5%	5%		
S&P 400						4%	4%	
S&P 500						19%	19%	25%
S&P 500 +5% (PE)							5%	5%
Wishire RE								
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%



### Total Plan Policy Index

91-day US T Bill
Barclays Aggregate
Bardays US TIPS
BofA ML High Yield II
CPI +4%
Credit Suisse Leveraged Loan
FTSE NAREIT Developed
FTSE NAREIT Developed ex US
HFRI Fund of Funds Composite
HFRI RV Multi-strategy
MSCI ACWI ex US
MSCI EAFE
MSCI Emerging Markets
NCREIF
NCREIF ODCE
NCREIF ODCE net
Russell 1000
Russell 2000
Russell 3000 +3% 1QL (PE)
S&P 400
S&P 500
S&P 500 +5% (PE)
Wilshire RE

As of:								
1/1/09	10/1/08	7/1/08	1/1/08	4/1/07	4/1/05	1/1/02	1/1/99	1/1/95
			1%	1%	1%	1%	1%	
23%	23%	23%	30%	30%	30%	38%	38%	
								100%
18%	18%	18%	7%	7%	7%	6%	6%	
00/	00/	00/	00/	00/	00/	50/		
6%	6%	6%	6%	6%	6%	5%		
6%	6%	6.25%	7.65%	7.9%	7.7%	8%	8%	
0 70	070	0.25%	7.05%	7.9%	1.170	0 70	0 70	
400/	400/	40.750/	40.050/	47.40/	40.00/	400/	400/	
42%	43%	43.75%	46.35%	47.1%	48.3%	42%	42%	
					100.0%	100.0%	100.0%	100 0%
5% 100.0%	4% 4% 100.0%	3% 100.0%	2%	1%	100.0%	100.0%	100.0%	100.0%



US Equity Benchmark	As of:	As of:			
	7/1/14	6/1/13	1/1/95		
Russell 1000	80%	86%			
Russell 2000	20%	14%			
Russell 3000			100%		
	100.0%	100.0%	100.0%		
International Equity Benchmark	As of:				
	7/1/13	4/1/12	1/1/99		
MSCI ACWI ex US	100%				
MSCI EAFE		83.33%	100%		
MSCI Emerging Markets		16.67%			
	100.0%	100.0%	100.0%		
5					
Fixed Income Benchmark	As of:				
	8/1/14		6/1/13	4/1/13	1/1/95
Barclays Aggregate	71.93%	82.46%	85.29%	70.588%	100%
Barclays US TIPS				14.706%	
BofA ML High Yield II	17.54%	17.54%	14.71%	14.706%	
Credit Suisse Leveraged Loan	10.53%				
	100.0%	100.0%	100.0%	100.0%	100.0%



ŀ	łed	lae	Fund	l Benc	hmark

HFRI Fund of Funds Composite HFRI RV Multi-strategy

#### Real Estate Benchmark

FTSE NAREIT Developed
FTSE NAREIT Developed ex US
NCREIF
NCREIF ODCE
NCREIF ODCE net
Wilshire RE

### Private Equity Benchmark

Russell 3000 +3% 1QL S&P 500 +5%

#### As of:

1/1/15	7/1/14
50%	100%
50%	
100.0%	100.0%

#### As of:

1/1/15	7/1/14	1/1/10	1/1/02	4/1/99
	17.50%	25%		
	16.25%			
			100%	
	66.25%	75%		
100%				
				100%
100.0%	100.0%	100.0%	100.0%	100.0%

#### As of:

4/1/13	7/1/05
100%	
	100%
100.0%	100.0%



EARNEST Benchmark	As of:	
	7/1/13 7/1	1/08
MSCI ACWI ex US	100%	
MSCI EAFE	10	0%
	100.0% 100	.0%

Barrow Hanley Benchmark

 Barclays Aggregate
 6/1/13
 4/1/10

 Barclays Aggregate
 100%
 82.8%

 Barclays US TIPS
 17.2%

 100.0%
 100.0%

As of:

**UBS Trumbull Benchmark** 

NCREIF NCREIF ODCE NCREIF ODCE net Wilshire RE

As	of:			
	1/1/15	1/1/10	1/1/02	4/1/99
			100%	
		100%		
	100%			
				100%
	100.0%	100.0%	100.0%	100.0%

