# Callan

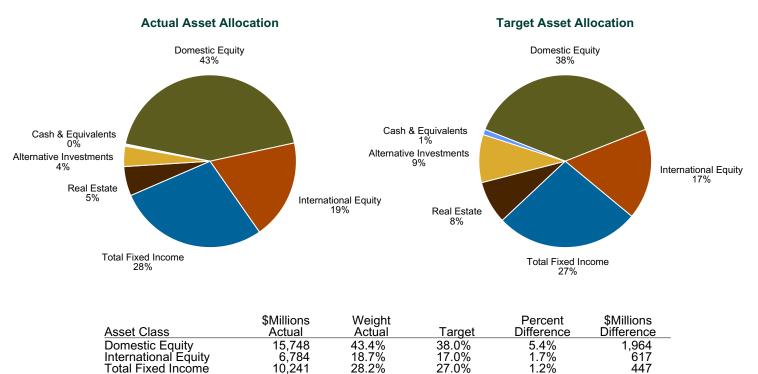
December 31, 2016 Illinois Municipal Retirement Fund Quarterly Performance Report

Investment Measurement Service Quarterly Review

The following report was prepared by Callan Associates Inc. ("CAI") using information from sources that include the following: fund trustee(s); fund custodian(s); investment manager(s); CAI computer software; CAI investment manager and fund sponsor database; third party data vendors; and other outside sources as directed by the client. CAI assumes no responsibility for the accuracy or completeness of the information provided, or methodologies employed, by any information provide sexternal to CAI. Reasonable care has been taken to assure the accuracy of the CAI database and computer software. Callan does not provide advice regarding, nor shall Callan be responsible for, the purchase, sale, hedge or holding of individual securities, including, without limitation securities of the client (i.e., company stock) or derivatives in the client's accounts. In preparing the following report, CAI has not reviewed the risks of individual security holdings or the conformity of individual security holdings with the client's investment policies and guidelines, nor has it assumed any responsibility to do so. Advice pertaining to the merits of individual securities and derivatives should be discussed with a third party securities expert. Copyright 2017 by Callan Associates Inc.

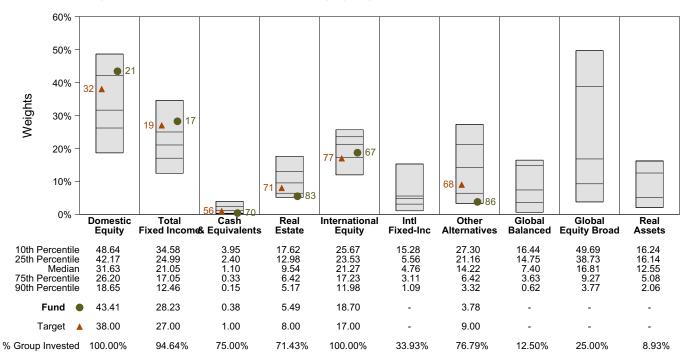
## Actual vs Target Asset Allocation As of December 31, 2016

The top left chart shows the Fund's asset allocation for the period. The bottom pie chart shows the Fund's target asset allocation as outlined in the investment policy statement.



Real Estate Alternative Investments	1,991 1.371	5.5% 3.8%	8.0% 9.0%	(2.5%) (5.2%)
Cash & Equivalents	139	0.4%	1.0%	(0.6%)
Total	36,274	100.0%	100.0%	

#### Asset Class Weights vs CAI Public Fund Sponsor - Large (>1B)



\* Current Quarter Target = 38.0% Russell 3000 Index, 27.0% Blmbg Aggregate, 17.0% MSCI ACWI ex US, 9.0% 9% Annually, 8.0% NFI-ODCE Value Weight Net and 1.0% 3-month Treasury Bill.

(911

(1,894

# **Investment Manager Asset Allocation**

The table below contrasts the distribution of assets across the Fund's investment managers as of December 31, 2016, with the distribution as of September 30, 2016. The change in asset distribution is broken down into the dollar change due to Net New Investment and the dollar change due to Investment Return.

	December 3	1, 2016			September 3	0, 2016
	Market Value	Weight	Net New Inv.	Inv. Return	Market Value	Weight
Domestic Equity	\$15,747,953,000	43.41%	\$(147,175,618)	\$822,836,725	\$15,072,291,893	42.08%
Large Cap Growth	<i>,,,,</i>		•(•••;•••;••••)	<i><b>*</b>•==,••••,•=•</i>	<i>•••••••••••••••••••••••••••••••••••••</i>	
Holland	862,687,325	2.38%	0	(5,109,550)	867,796,874	2.42%
NTGI S&P 500 Growth Idx	1,523,642,380	4.20%	Ő	8,070,742	1,515,571,637	4.23%
Sands	1,131,963,973	3.12%	0	(87,608,609)	1,219,572,582	3.40%
Ganus	1,101,000,070	5.1270	0	(07,000,000)	1,213,372,302	0.4070
Large Cap Value						
Dodge & Cox	1,289,023,626	3.55%	(5,623,881)	120,432,842	1,174,214,666	3.28%
BMO	1,312,137,783	3.62%	(6,632,832)	99,327,662	1,219,442,953	3.40%
LSV	1,351,048,293	3.72%	(10,448,389)	123,579,953	1,237,916,729	3.46%
NTGI S&P 500 Value Idx	1,531,347,006	4.22%	293,436,150	106,963,766	1,130,947,090	3.16%
Large Cap Core						
NTGI MarketCap Index	2,944,696,020	8.12%	0	118,542,508	2,826,153,511	7.89%
NTO Marketoup maex	2,344,000,020	0.12 /0	0	110,042,000	2,020,100,011	1.0070
Small Cap Growth	007 040 000	1.0.10	(0.004.754)	0 000 050	007 000 550	4 0004
Frontier	367,912,660	1.01%	(8,324,754)	8,636,858	367,600,556	1.03%
FIAM	1,003,343,797	2.77%	0	55,832,821	947,510,975	2.65%
Small Cap Value						
Channing	213,876,369	0.59%	0	28,265,347	185,611,022	0.52%
Dimensional Small Cap Value	855,573,915	2.36%	(18)	113,595,431	741,978,502	2.07%
Inv. Counselors of Maryland	706,263,793	1.95%	Ó	91,514,416	614,749,377	1.72%
Micro Cap						
Ariel	71,798,305	0.20%	0	2.350.708	69.447.597	0.19%
Ativo	120.466.623	0.33%	0	10,558,280	109,908,344	0.13%
Dimensional Micro Cap	377,018,942	1.04%	(8)	46,733,988	330,284,962	0.92%
Wall Street	84,888,513	0.23%	(120,002,779)	(14,002,466)	218,893,758	0.92%
Wail Stieet	04,000,010	0.2378	(120,002,779)	(14,002,400)	210,093,730	0.01%
nternational Equity	\$6,783,842,148	18.70%	\$(49,935,341)	\$(107,265,063)	\$6,941,042,552	19.38%
International Large Cap Growth						
EARNEST Partners	515,825,904	1.42%	76,663	(405,190)	516,154,430	1.44%
William Blair	584,442,811	1.61%	0	(22,864,586)	607,307,397	1.70%
International Large Cap Value						
Brandes	525.357.853	1.45%	0	14.162.805	511.195.048	1.43%
Lombardia	5,161	0.00%	(11,999)	(1,414)	18.574	0.00%
Mondrian	487,782,548	1.34%	0	(6,612,994)	494,395,543	1.38%
Lazard	92,076,238	0.25%	0	(4,062,431)	96,138,669	0.27%
International Large Cap Core						
Arrowstreet	543.387.160	1.50%	0	(345,927)	543.733.088	1.52%
Brown	275.571.176	0.76%	0		286.355.460	0.80%
GlobeFlex	- , - , -	0.76%	0	(10,784,284)	286,355,460 525,794,719	0.80%
	520,157,999		-	(5,636,720)	, . , .	
NTGI MSCI EAFE Index	1,982,765,302	5.47%	(50,000,000)	(14,475,102)	2,047,240,404	5.72%
Progress	235,389,915	0.65%	0	(10,818,606)	246,208,521	0.69%
International Small Cap						
Franklin Templeton	187,097,180	0.52%	0	(7,149,025)	194,246,205	0.54%
William Blair	225,300,435	0.62%	0	(15,911,932)	241,212,367	0.67%
Emerging Markets						
Genesis	608,682,465	1.68%	(6)	(22,359,656)	631,042,127	1.76%
			(*)	(,000,000)		

#### **Asset Distribution Across Investment Managers**

# **Investment Manager Asset Allocation**

The table below contrasts the distribution of assets across the Fund's investment managers as of December 31, 2016, with the distribution as of September 30, 2016. The change in asset distribution is broken down into the dollar change due to Net New Investment and the dollar change due to Investment Return.

	December 3 <sup>-</sup>	I, 2016		September 30				
	Market Value	Weight	Net New Inv.	Inv. Return	Market Value	Weight		
Total Fixed Income	\$10,240,715,156	28.23%	\$(56,070,179)	\$(227,978,444)	\$10,524,763,779	29.38%		
Domestic Fixed Core								
EARNEST Partners	550,077,444	1.52%	(5,327,761)	(16,064,254)	571,469,459	1.60%		
Piedmont	548,195,937	1.51%	(4,381,967)	(13,190,049)	565,767,953	1.58%		
Garcia Hamilton	521,496,091	1.44%	(2,733,741)	(13,152,047)	537,381,878	1.50%		
Domestic Fixed Passive Core								
NTGI Blmbg Aggregate Index	1,508,847,244	4.16%	0	(47,602,478)	1,556,449,722	4.34%		
BlackRock US Debt	1,393,601,514	3.84%	17,967	(42,749,855)	1,436,333,402	4.01%		
Domestic Fixed Core Plus								
BlackRock Core Plus	743,635,080	2.05%	(4,686,662)	(21,166,393)	769,488,135	2.15%		
Brandes Core Plus				(7,753,870)	254,153,097	0.71%		
LM Capital	857,307,500	2.36%	(8,585,396)	(22,059,901)	887,952,797	2.48%		
Progress Fixed Income	852,301,545	2.35%	0	(19,815,115)	872,116,660	2.43%		
Taplin, Canida, & Habacht Western	868,450,261 920,537,911	2.39% 2.54%	(7,077,049) (7,941,248)	(14,024,374) (24,347,200)	889,551,684 952,826,359	2.48% 2.66%		
	, , -				,			
Bank Loans Barings Global Loan Fund	310,199,620	0.86%	(3,438,703)	11,206,393	302,431,930	0.84%		
Daningo Ciobai Zoan i ana	010,100,020	0.0070	(0,100,100)	11,200,000	002,101,000	0.0170		
Emerging Markets Debt Standish	184,275,519	0.51%	0	(6,757,501)	191,033,020	0.53%		
Standish	104,273,319	0.5176	0	(0,757,501)	191,035,020	0.00%		
Opportunistic Fixed Income Crescent	445 000 000	0.000/	0	502.002	445 000 047	0.000/		
Crescent	115,833,909	0.32%	0	503,062	115,330,847	0.32%		
High Yield		. =				. =		
MacKay Shields	619,710,161	1.71%	(10,740,300)	11,023,387	619,427,073	1.73%		
Real Estate	\$1,991,348,231	5.49%	\$67,200,972	\$51,781,045	\$1,872,366,214	5.23%		
Real Estate Core								
TA Buckhead Ind. Prop.	379,736,258	1.05%	57,189,973	8,497,218	314,049,067	0.88%		
Barings Core Property Fund	144,444,176	0.40%	(1,464,153)	6,464,971	139,443,358	0.39%		
INVESCO Core RE	189,277,715	0.52%	(1,148,908)	3,622,945	186,803,678	0.52%		
AEW Core Property CBRE Core Partners	223,418,592 160,408,511	0.62% 0.44%	(2,319,814) (2,129,985)	3,469,165 7,965,914	222,269,241 154,572,582	0.62% 0.43%		
Real Estate Non-Core Artemis MWBE Spruce	22,031,646	0.06%	20,616,384	(149,151)	1,564,413	0.00%		
Franklin Templeton EMREFF	36,435,725	0.10%	(11,457,106)	5,522,982	42,369,849	0.00%		
Security Capital	54,486,034	0.15%	(553,998)	(5,801,463)	60,841,495	0.12%		
Dune II	34,637,128	0.10%	(555,556)	431,967	34,205,161	0.10%		
Non-Core Real Estate Funds*	628,817,329	1.73%	(11,334,683)	23,389,843	616,762,169	1.72%		
Non-Core Intl Real Estate Funds**	68,318,646	0.19%	22,965,352	(1,519,399)	46,872,693	0.13%		
Rockwood Fund VIII	5,085,587	0.01%	(621,818)	(189,936)	5,897,340	0.02%		
Almanac ARS V	11,388,939	0.03%	(297,901)	(551,138)	12,237,978	0.03%		
TA Realty IX	32,861,945	0.09%	(2,242,371)	627,126	34,477,190	0.10%		
Alternative Investments	\$1,370,640,955	3.78%	\$65,048,186	\$41,759,233	\$1,263,833,536	3.53%		
Absolute Return Aurora	107,468,822	0 200/	3 257 107	5 561 100	08 650 506	0.000/		
Aurora	107,468,822	0.30%	3,257,107	5,561,129	98,650,586	0.28%		
Private Equity	000 000 00 -	0.000				0.0=0		
Abbott	320,802,826	0.88%	(3,750,000)	14,632,019	309,920,807	0.87%		
Muller & Monroe ILPEFF	7,848,277	0.02%	0	195,651	7,652,626	0.02%		
Muller & Monroe MPEFF	10,713,206	0.03%	(834,086)	(77,204)	11,624,496	0.03%		
Pantheon Private Equity Funds - Domestic	205,353,290	0.57%	(4,968,185)	5,777,049	204,544,427	0.57%		
Private Equity Funds - Domestic Private Equity Funds - International	429,148,096 27,608,430	1.18% 0.08%	60,806,391 9,408,852	12,134,727 182,240	356,206,978 18,017,338	0.99% 0.05%		
Agriculture								
Agriculture Premiere Partners IV	186,101,565	0.51%	1,628,107	2,292,188	182,181,270	0.51%		
Timberland								
Forest Investment Assoc.	75,596,443	0.21%	(500,000)	1,061,435	75,035,008	0.21%		
Cash & Equivalents	\$139,182,841	0.38%	\$(9,201,382)	\$593,773	\$147,790,450	0.41%		
oush & Equivalents	ψ103, 102,041	0.30 /0	Ψ(3,201,302)	4030,110	ψιτι,130,430	0.41/0		

#### **Asset Distribution Across Investment Managers**

\* Non-Core Real Estate Funds funded since September 2011. \*\* Non-Core International Real Estate Funds funded since August 2014.

Callan

## **Asset Class Returns**

The table below details the rates of return for the fund's asset class composites over various time periods. Negative returns are shown in red, positive returns in black. Returns for one year or greater are annualized.

			Year		Last	
	Last		to		3	
	Quarter		Date		Years	
Domestic Equity Custom Benchmark** Domestic Equity - Net Pub Pin- Dom Equity	<b>5.50%</b> 4.21% 5.44% 4.44%	<b>18</b> 60 21	<b>12.62%</b> 12.74% 12.35% 12.79%	<b>59</b> 51 63	<b>7.35%</b> 8.41% 7.08% 7.92%	<b>69</b> 31 75
International Equity MSCI ACWI x US (Net) International Equity - Net Pub Pln- Intl Equity	(1.54%) (1.25%) (1.65%) (1.37%)	<b>53</b> 42 58	<b>3.54%</b> 4.50% 3.21% 4.59%	<b>64</b> 52 72	(0.42%) (1.78%) (0.75%) (0.88%)	<b>39</b> 72 48
<b>Total Fixed Income</b> Blmbg Aggregate Index Total Fixed-Inc Net Pub Pln- Dom Fixed	(2.17%) (2.98%) (2.20%) (2.02%)	<b>65</b> 91 66	<b>4.85%</b> 2.65% 4.71% 3.90%	<b>38</b> 74 40	<b>3.65%</b> 3.03% 3.51% 3.32%	<b>27</b> 62 36
Real Estate Custom Benchmark*** Real Estate - Net Pub Pin- Real Estate	<b>2.73%</b> 1.88% 2.73% 1.50%	<b>6</b> 42 6	<b>8.97%</b> 7.79% 8.97% 8.44%	<b>21</b> 63 21	<b>11.49%</b> 11.04% 11.47% 11.18%	<b>43</b> 56 44
Alternative Investments Alternatives Custom Benchmark**** Alternative Investments - Net	<b>3.29%</b> 2.18% 3.22%		<b>5.43%</b> 9.00% 5.11%		<b>7.89%</b> 9.00% 7.49%	
Absolute Return HFR Fund-of-Funds Index CAI Abs Return Hedge FoF	<b>6.34%</b> 0.90% 2.23%	<b>1</b> 83	<b>4.80%</b> 0.55% 3.53%	<b>11</b> 100	<b>4.02%</b> 1.21% 1.89%	<b>3</b> 62
Private Equity Alternatives Custom Benchmark**** Post Venture Cap Idx	<b>3.56%</b> 2.18% (2.50%)		<b>8.63%</b> 9.00% 32.75%		<b>10.22%</b> 9.00% (3.29%)	
Agriculture NCREIF Farmland Index NCREIF Total Index	<b>1.24%</b> 1.40% 1.77%		<mark>(0.47%)</mark> 8.56% 9.22%		<b>14.27%</b> 12.22% 11.31%	
Timberland NCREIF Timberland Index	<b>1.42%</b> 0.67%		(4.58%) 3.28%		<b>2.91%</b> 7.59%	
<b>Total Fund</b> Total Fund Benchmark* Total Fund - Net CAI Public Fund Large DB	<b>1.63%</b> 0.94% 1.57% 0.77%	<b>8</b> 39 9	<b>8.00%</b> 7.89% 7.77% 7.90%	<b>41</b> 50 52	<b>4.84%</b> 5.53% 4.60% 4.79%	<b>47</b> 17 66

#### **Returns and Rankings for Periods Ended December 31, 2016**

\* Current Quarter Target = 38.0% Russell 3000 Index, 27.0% Blmbg Aggregate, 17.0% MSCI ACWI ex US, 9.0% 9% Annually, 8.0% NFI-ODCE Value Weight Net and 1.0% 3-month Treasury Bill.
\*\* The Blended Benchmark is currently Russell 3000 Index. Returns prior to January 1, 2015, reflect those of the Dow Jones U.S. Total Stock Market Index.
\*\*\* The Blended Benchmark is currently ODCE Value Weigh Index. Returns between January 1, 2007 and December 31, 2012 reflect NPI+1%. Returns prior to January 1, 2007, reflect those of the Consumer Price Index +5%.
\*\*\*\* The Alternatives Custom Benchmark is based on an annualized rate of return of 9.0%. Prior to July 1, 2010 the Benchmark was based on an annual return of 15.0%.

13.0%. Prior to 2003, it was based on an annual return of 15.0%. Private Equity performance is lagged one quarter.

Agriculture and Timberland performance is lagged one month.



## **Asset Class Returns**

The table below details the rates of return for the fund's asset class composites over various time periods. Negative returns are shown in red, positive returns in black. Returns for one year or greater are annualized.

	Last 5		Last 10		Since	
	Years		Years		Inception	า
Domestic Equity Custom Benchmark** Domestic Equity - Net Pub PIn- Dom Equity	<b>14.86%</b> 14.63% 14.57% 14.34%	<b>24</b> 33 38	<b>7.38%</b> 7.19% 7.12% 7.08%	<b>32</b> 42 46	<b>11.53%</b> 11.27% 7.78%	(1/82) (1/82)
nternational Equity MSCI ACWI x US (Net) International Equity - Net Pub PIn- Intl Equity	<b>7.18%</b> 5.00% 6.83% 6.46%	<b>27</b> 77 41	<b>1.88%</b> 0.96% 1.56% 1.84%	<b>45</b> 76 57	<b>7.58%</b> - 4.75% -	(9/86) (1/05)
F <b>otal Fixed Income</b> Blmbg Aggregate Index Total Fixed-Inc Net Pub Pln- Dom Fixed	<b>3.52%</b> 2.23% 3.37% 2.87%	<b>26</b> 71 33	<b>5.20%</b> 4.34% 5.06% 4.59%	<b>20</b> 61 28	<b>8.51%</b> 7.98% 4.89% -	(1/82) (1/82) (1/05)
Real Estate Custom Benchmark*** Real Estate - Net Pub Pln- Real Estate	<b>11.63%</b> 11.51% 11.61% 10.83%	<b>30</b> 32 31	<b>5.11%</b> 7.74% 5.11% 4.80%	<b>32</b> 8 32	<b>5.20%</b> 7.07%	(5/85) (1/05)
Alternative Investments Alternatives Custom Benchmark**** Alternative Investments - Net	<b>8.38%</b> 9.00% 8.05%		<b>6.46%</b> 10.04% 6.15%		<b>10.66%</b> 13.02% 7.77%	(2/86) (2/86) (1/05)
Absolute Return HFR Fund-of-Funds Index CAI Abs Return Hedge FoF	<b>5.24%</b> 3.43% 4.27%	<b>17</b> 73	<b>3.07%</b> 1.32% 3.45%	<b>65</b> 98	<b>4.65%</b> 3.31% -	(1/02) (1/02)
Private Equity Alternatives Custom Benchmark**** Post Venture Cap Idx	<b>10.05%</b> 9.00% 4.72%		<b>8.81%</b> 10.04% 3.20%		<b>12.78%</b> 13.02% 7.28%	(2/86) (2/86) (2/86)
Agriculture NCREIF Farmland Index NCREIF Total Index	<b>16.32%</b> 15.06% 11.18%		<b>9.99%</b> 13.98% 7.22%		8.68% - -	(10/97)
Timberland NCREIF Timberland Index	<b>2.78%</b> 6.91%		<b>4.82%</b> 6.37%		8.04% -	(10/92)
Fotal Fund Total Fund Benchmark*	<b>9.54%</b> 8.83%	<b>19</b> 43	<b>6.14%</b> 5.99%	<b>12</b> 16	9.89%	(1/82)
Total Fund - Net CAI Public Fund Large DB	9.29% 8.69%	23	5.91% 5.23%	17	6.74%	(1/05)

#### Returns and Rankings for Periods Ended December 31, 2016

\* Current Quarter Target = 38.0% Russell 3000 Index, 27.0% Blmbg Aggregate, 17.0% MSCI ACWI ex US, 9.0% 9% Annually, 8.0% NFI-ODCE Value Weight Net and 1.0% 3-month Treasury Bill.
\*\* The Blended Benchmark is currently Russell 3000 Index. Returns prior to January 1, 2015, reflect those of the Dow Jones U.S. Total Stock Market Index.
\*\*\* The Blended Benchmark is currently ODCE Value Weigh Index. Returns between January 1, 2007 and December 31, 2012 reflect NPI+1%. Returns prior to January 1, 2007, reflect those of the Consumer Price Index +5%.
\*\*\*\* The Alternatives Custom Benchmark is based on an annualized rate of return of 9.0%. Prior to July 1, 2010 the Benchmark was based on an annual return of 15.0%.

13.0%. Prior to 2003, it was based on an annual return of 15.0%. Private Equity performance is lagged one quarter.

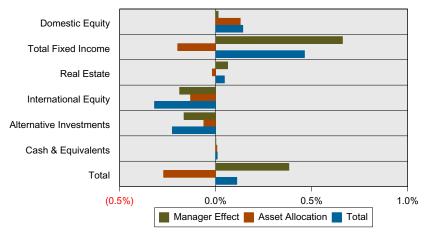
Agriculture and Timberland performance is lagged one month.



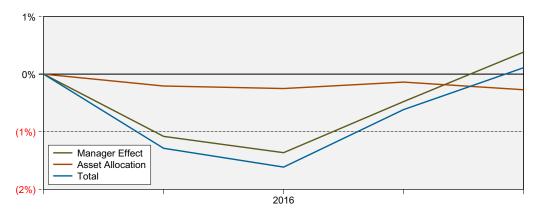
## **Cumulative Total Fund Relative Attribution - December 31, 2016**

The charts below accumulate the Total Fund Attribution Analysis (shown earlier) over multiple periods to examine the cumulative sources of excess total fund performance relative to target. These cumulative results quantify the longer-term sources of total fund excess return relative to target by asset class. These relative attribution effects separate the cumulative sources of total fund excess return into Asset Allocation Effect and Manager Selection Effect.

#### **One Year Relative Attribution Effects**



#### **Cumulative Relative Attribution Effects**



## **One Year Relative Attribution Effects**

Asset Class	Effective Actual Weight	Effective Target Weight	Actual Return	Target Return	Manager Effect	Asset Allocation	Total Relative Return
Domestic Equity	41%	38%	12.62%	12.74%	0.01%	0.13%	0.14%
Total Fixed Income	29%	27%	4.85%	2.65%	0.66%	(0.20%)	0.46%
Real Estate	5%	8%	8.97%	7.79%	0.06%	(0.02%)	0.05%
International Equity	19%	17%	3.54%	4.50%	(0.19%)	(0.13%)	(0.32%)
Alternative Investment		9%	5.43%	9.00%	(0.16%)	(0.06%)	(0.23%)
Cash & Equivalents	1%	1%	0.63%	0.33%	0.00%	0.01%	<u>0.01%</u>
Total			8.00% =	7.89%	+ 0.38% +	(0.27%)	0.11%

\* Current Quarter Target = 38.0% Russell 3000 Index, 27.0% Blmbg Aggregate, 17.0% MSCI ACWI ex US, 9.0% 9% Annually, 8.0% NFI-ODCE Value Weight Net and 1.0% 3-month Treasury Bill.

## Large Cap Equity Returns

The table below details the rates of return for the fund's large cap growth and large cap value managers over various time periods. Negative returns are shown in red, positive returns in black. Returns for one year or greater are annualized.

	Ū		Year		Last	
	Last		to		3	
	Quarter		Date		Years	
Large Cap Equity	4.20%	46	10.74%	45	7.83%	53
Russell 1000 Index	3.83%	48	12.05%	34	8.59%	35
CAI Large Capitalization	3.79%		10.17%		7.93%	
Large Cap Growth	(2.35%)	88	1.18%	77	5.43%	82
CAI Large Cap Growth	(0.43%)		3.42%		7.31%	
Holland	(0.59%)	55	2.98%	60	6.11%	72
LCG Blended Benchmark*	1.01%	22	7.08%	8	8.55%	27
Russell 1000 Growth Index	1.01%	22	7.08%	8	8.55%	27
Holland - Net	(0.64%)	56	2.77%	65	5.88%	75
CAI Large Cap Growth	(0.43%)		3.42%		7.31%	
NTGI S&P 500 Growth Idx	0.53%	36	6.97%	8	9.04%	14
S&P/Citi 500 Growth Index	0.48%	37	6.89%	10	9.03%	14
NTGI S&P 500 Growth Idx - Net	0.53%	36	6.97%	8	9.03%	14
CAI Large Cap Growth	(0.43%)		3.42%		7.31%	
Sands	(7.18%)	97	(6.56%)	95	1.93%	99
LCG Blended Benchmark*	1.01%	22	7.08%	8	8.55%	27
Russell 1000 Growth Index	1.01%	22	7.08%	8	8.55%	27
Sands - Net	(7.24%)	97	(6.79%)	96	1.68%	99
CAI Large Cap Growth	(0.43%)		3.42%		7.31%	
Large Cap Value	8.89%	24	16.90%	27	8.90%	27
CAI Large Cap Value	7.09%		15.25%		8.28%	
Dodge & Cox	10.28%	13	20.95%	10	8.89%	28
LCV Blended Benchmark**	6.68%	61	17.34%	26	8.59%	39
Russell 1000 Value Index	6.68%	61	17.34%	26	8.59%	39
Dodge & Cox - Net	10.22%	14	20.70%	11	8.66%	37
CAI Large Cap Value	7.09%		15.25%		8.28%	
ВМО	8.17%	32	12.44%	81	8.58%	40
LCV Blended Benchmark**	6.68%	61	17.34%	26	8.59%	39
Russell 1000 Value Index	6.68%	61	17.34%	26	8.59%	39
BMO - Net	8.11%	34	12.19%	84	8.34%	48
CAI Large Cap Value	7.09%		15.25%		8.28%	
LSV	10.03%	15	17.97%	21	9.52%	8
LCV Blended Benchmark**	6.68%	61	17.34%	26	8.59%	39
Russell 1000 Value Index	6.68%	61	17.34%	26	8.59%	39
LSV - Net	9.97%	15	17.68%	25	9.26%	12
CAI Large Cap Value	7.09%		15.25%		8.28%	
NTGI S&P 500 Value Idx	7.39%	48	17.47%	26	8.57%	40
S&P/Citi 500 Value Index	7.35%	48	17.40%	26	8.51%	40
NTGI S&P 500 Value Idx - Net	7.38%	48	17.46%	26	8.57%	40
CAI Large Cap Value	7.09%		15.25%		8.28%	
Large Cap Passive Core	4.19%	46	12.78%	13	8.47%	42
NTGI MarketCap Idx	4.19%	46	12.78%	13	8.47%	42
DJ U.S. Total Stock Market Index	4.13%	47	12.62%	14	8.36%	48
NTGI MktCap Idx - Net	4.19%	46	12.77%	14	8.46%	43
CAI Large Cap Core	3.83%		10.40%		8.30%	

#### **Returns and Rankings for Periods Ended December 31, 2016**

\* The LCG Blended Benchmark is currently the Russell 1000 Growth Index. Returns prior to January 1, 2006, reflect those the S&P 500/Citigroup Growth Index. \*\* The LCV Blended Benchmark is currently the Russell 1000 Value Index. Returns prior to January 1, 2006, reflect those

of the S&P 500/Citigroup Value Index.



# Large Cap Equity Returns

The table below details the rates of return for the fund's large cap growth and large cap value managers over various time periods. Negative returns are shown in red, positive returns in black. Returns for one year or greater are annualized.

	Last		Last			
	5		10		Since	
	Years		Years		Inception	
Large Cap Equity	14.83%	34	7.19%	54	<b>11.06%</b> (1/82)	
Russell 1000 Index	14.69%	41	7.08%	57	11.45% (1/82)	
CAI Large Capitalization	14.38%		7.25%	01	-	
area Can Crowth	42 240/	6 F	7 070/	60	14 340/ // //	
Large Cap Growth CAI Large Cap Growth	<b>13.21%</b> 13.98%	65	<b>7.87%</b> 8.18%	60	<b>11.31%</b> (1/82)	
or a Large out Crowar						
Holland	12.52%	87	8.40%	40	<b>9.85%</b> (11/94)	
LCG Blended Benchmark*	14.50%	35	8.33%	43	9.41% (11/94)	
Russell 1000 Growth Index	14.50%	35	8.33%	43	8.65% (11/94)	
Holland - Net	12.28%	91	8.13%	51	7.30% (1/05)	
CAI Large Cap Growth	13.98%		8.18%		-	
NTGI S&P 500 Growth Idx	14.58%	33	8.31%	44	6.35% (8/01)	
S&P/Citi 500 Growth Index	14.54%	34	8.29%	44	6.31% (8/01)	
NTGI S&P 500 Growth Idx - Net	14.57%	33	8.30%	44	8.17% (1/05)	
CAI Large Cap Growth	13.98%	00	8.18%		-	
Sands	13.48%	58	9.96%	5	<b>9.84%</b> (11/03)	
LCG Blended Benchmark*	14.50%	35	8.33%	<b>3</b> 43		
Russell 1000 Growth Index	14.50%	35	8.33%	43		
				43 9		
Sands - Net	13.23%	65	9.69%	9	8.44% (1/05)	
CAI Large Cap Growth	13.98%		8.18%		-	
arge Cap Value	16.10%	14	6.45%	54	10.41% (10/82)	
CAI Large Cap Value	14.69%		6.51%		-	
Dodge & Cox	17.23%	4	6.49%	52	9.46% (9/03)	
LCV Blended Benchmark**	14.80%	43	5.72%	77	8.41% (9/03)	
Russell 1000 Value Index	14.80%	43	5.72%	77	8.61% (9/03)	
Dodge & Cox - Net	16.98%	7	6.26%	63	7.52% (1/05)	
CAI Large Cap Value	14.69%		6.51%		-	
вмо	15.18%	36	6.96%	30	<b>7.93%</b> (2/01)	
LCV Blended Benchmark**	14.80%	43	5.72%	77	5.39% (2/01)	
Russell 1000 Value Index	14.80%	43	5.72%	77		
BMO - Net	14.92%	38	6.72%	40		
CAI Large Cap Value	14.69%	30	6.51%	40	8.02% (1/05)	
	47 440/	•	7 400/		44 400/	
LSV	17.11%	6	7.19%	25	<b>11.40%</b> (2/03)	
LCV Blended Benchmark**	14.80%	43	5.72%	77	9.50% (2/03)	
Russell 1000 Value Index	14.80%	43	5.72%	77	9.52% (2/03)	
LSV - Net	16.82%	8	6.91%	32	8.34% (1/05)	
CAI Large Cap Value	14.69%		6.51%		-	
NTGI S&P 500 Value Idx	14.78%	45	5.56%	81	<b>5.47%</b> (8/99)	
S&P/Citi 500 Value Index	14.69%	50	5.50%	81	5.45% (8/99)	
NTGI S&P 500 Value Idx - Net	14.77%	46	5.55%	81	6.78% (1/05)	
CAI Large Cap Value	14.69%		6.51%		-	
arge Cap Passive Core	14.69%	40	7.10%	60	<b>10.99%</b> (1/85)	
NTGI MarketCap Idx	14.69%	40	7.12%	59	10.74% (2/85)	
DJ U.S. Total Stock Market Index	14.59%	44	7.18%	55	10.69% (2/85)	
	11.00/0			~~~	10.00 /0 (2/00)	
NTGI MktCap Idx - Net	14.68%	41	7.11%	60	7.74% (1/05)	

#### **Returns and Rankings for Periods Ended December 31, 2016**

\* The LCG Blended Benchmark is currently the Russell 1000 Growth Index. Returns prior to January 1, 2006, reflect those the S&P 500/Citigroup Growth Index. \*\* The LCV Blended Benchmark is currently the Russell 1000 Value Index. Returns prior to January 1, 2006, reflect those

of the S&P 500/Citigroup Value Index.



The table below details the rates of return for the fund's small cap growth, small cap value, and micro cap managers over various time periods. Negative returns are shown in red, positive returns in black. Returns for one year or greater are annualized.

			Year		Last	
	Last		to		3	
	Quarter		Date		Years	
Small Cap Equity	9.87%	43	18.74%	54	6.41%	59
Russell 2000 Index	8.83%	50	21.31%	42	6.74%	56
CAI Small Capitalization	8.90%		19.33%		7.68%	
Small Cap Growth	4.93%	16	7.92%	53	6.00%	21
CAI Small Cap Growth	2.53%		8.63%		3.44%	
Frontier	2.42%	52	7.25%	60	2.72%	59
Russell 2000 Growth Index	3.57%	26	11.32%	35	5.05%	32
Frontier - Net	2.21%	56	6.57%	66	2.12%	67
CAI Small Cap Growth	2.53%		8.63%		3.44%	
FIAM	5.89%	10	7.79%	55	8.70%	6
Russell 2000 Growth Index	3.57%	26	11.32%	35	5.05%	32
FIAM - Net	5.65%	12	7.14%	60	8.05%	9
CAI Small Cap Growth	2.53%		8.63%		3.44%	
Small Cap Value	15.13%	26	29.62%	30	8.74%	63
CAI Small Cap Value	13.73%		27.75%		9.13%	
Channing	15.23%	20	29.43%	30	9.28%	44
Russell 2000 Value Index	14.07%	39	31.74%	14	8.31%	73
Channing - Net	15.08%	26	28.77%	38	8.78%	62
CAI Small Cap Value	13.73%		27.75%		9.13%	
DFA Small Cap Value	15.31%	18	29.10%	33	8.40%	65
Russell 2000 Value Index	14.07%	39	31.74%	14	8.31%	73
DFA Small Cap Value - Net	15.17%	25	28.46%	39	7.91%	80
CAI Small Cap Value	13.73%		27.75%		9.13%	
Inv. Counselors of Maryland	14.88%	30	31.61%	15	10.10%	39
Russell 2000 Value Index	14.07%	39	31.74%	14	8.31%	73
Inv. Couns. of Maryland - Net	14.77%	32	30.82%	25	9.58%	43
CAI Small Cap Value	13.73%		27.75%		9.13%	

The table below details the rates of return for the fund's small cap growth, small cap value, and micro cap managers over various time periods. Negative returns are shown in red, positive returns in black. Returns for one year or greater are annualized.

Returns a	nd Rankings for F	Periods Er	nded December	<sup>.</sup> 31, 2016		
	Last 5 Years		Last 10 Years		Since	
					Inception	
Small Cap Equity	15.21%	53	8.85%	43	<b>12.53%</b> (7/88)	
Russell 2000 Index	14.46%	61	7.07%	81	9.58% (7/88)	
CAI Small Capitalization	15.40%		8.58%		-	
Small Cap Growth	14.46%	35	8.93%	37	<b>13.04%</b> (7/88)	
CAI Small Cap Growth	13.40%		8.62%		-	
			0.0270			
Frontier	12.21%	61	8.56%	52	12.79% (8/88)	
Russell 2000 Growth Index	13.74%	41	7.76%	61	7.91% (8/88)	
Frontier - Net	11.60%	76	5.68%	90	6.54% (1/05)	
CAI Small Cap Growth	13.40%		8.62%		-	
FIAM	16.41%	14	10.20%	14	13.84% (8/88)	
Russell 2000 Growth Index	13.74%	41	7.76%	61	7.91% (8/88)	
FIAM - Net	15.81%	16	9.58%	25	11.07% (1/05)	
CAI Small Cap Growth	13.40%		8.62%		-	
Small Cap Value	16.39%	51	8.46%	52	<b>12.46%</b> (9/89)	
CAI Small Cap Value	16.43%		8.61%		-	
	10.4070		0.0170			
Channing	17.50%	32	-		13.82% (7/11)	
Russell 2000 Value Index	15.07%	79	6.26%	94	11.69% (7/11)	
Channing - Net	16.84%	40	-		13.18% (7/11)	
CAI Small Cap Value	16.43%		8.61%		-	
DFA Small Cap Value	17.35%	33	8.03%	63	13.13% (2/96)	
Russell 2000 Value Index	15.07%	79	6.26%	94	10.25% (2/96)	
DFA Small Cap Value - Net	16.80%	40	7.50%	75	8.86% (1/05)	
CAI Small Cap Value	16.43%		8.61%		-	
Inv. Counselors of Maryland	16.43%	50	8.95%	43	<b>12.18%</b> (5/99)	
Russell 2000 Value Index	15.07%	<b>30</b> 79	6.26%	<b>43</b> 94	9.84% (5/99)	
Inv. Couns. of Maryland - Net	15.93%	64	8.42%	53	9.14% (1/05)	
CAI Small Cap Value	16.43%	04	8.61%	55	J. I - 70 (1/05)	
On Small Cap value	10.45 /0		0.0170		-	

The table below details the rates of return for the fund's small cap growth, small cap value, and micro cap managers over various time periods. Negative returns are shown in red, positive returns in black. Returns for one year or greater are annualized.

			Year		Last	
	Last		to		3	
	Quarter		Date		Years	
Micro Cap	7.63%	4	18.02%	8	2.24%	65
CAI Small Cap Growth	2.53%		8.63%		3.44%	
Ariel	3.39%	98	12.45%	100	(9.39%)	100
Russell Microcap Index	10.05%	91	20.37%	93	5.77%	90
Russell 2000 Value Index	14.07%	39	31.74%	14	8.31%	73
Russell 2000 Index	8.83%	94	21.31%	90	6.74%	86
Ariel - Net	3.16%	99	11.48%	100	(10.15%)	100
CAI Small Cap Value	13.73%		27.75%		9.13%	
Ativo	9.59%	2	16.64%	9	8.22%	8
Russell Microcap Index	10.05%	2	20.37%	5	5.77%	26
Russell 2000 Growth Index	3.57%	26	11.32%	35	5.05%	32
Russell 2000 Index	8.83%	3	21.31%	3	6.74%	16
Ativo - Net	9.42%	3	15.86%	14	7.44%	10
CAI Small Cap Growth	2.53%		8.63%		3.44%	
DFA Micro Cap	14.15%	38	27.39%	53	8.69%	63
Russell 2000 Value Index	14.07%	39	31.74%	14	8.31%	73
Russell 2000 Index	8.83%	94	21.31%	90	6.74%	86
DFA Micro Cap - Net	14.01%	40	26.76%	57	8.15%	77
CAI Small Cap Value	13.73%		27.75%		9.13%	
Wall Street	(6.26%)	100	2.32%	88	(3.85%)	96
Russell 2000 Growth Index	3.57%	26	11.32%	35	5.05%	32
Russell 2000 Index	8.83%	3	21.31%	3	6.74%	16
Wall Street - Net	(6.44%)	100	1.44%	90	(4.64%)	96
CAI Small Cap Growth	2.53%		8.63%		3.44%	

The table below details the rates of return for the fund's small cap growth, small cap value, and micro cap managers over various time periods. Negative returns are shown in red, positive returns in black. Returns for one year or greater are annualized.

Returns	Returns and Rankings for Periods Ended December 31, 2016						
	Last 5		Last 10		Since		
	Years		Years		Inception		
Micro Cap CAI Small Cap Growth	<b>13.99%</b> 13.40%	40	<b>6.30%</b> 8.62%	87	<b>11.99%</b> (7/84) -		
Ariel	6.15%	100	-		<b>5.11%</b> (11/10)		
Russell Microcap Index	15.59%	72	5.47%	99	12.92% (11/10)		
Russell 2000 Value Index	15.07%	79	6.26%	94	12.94% (11/10)		
Russell 2000 Index	14.46%	80	7.07%	83	12.81% (11/10)		
Ariel - Net	5.27%	100	-		4.26% (11/10)		
CAI Small Cap Value	16.43%		8.61%		-		
Ativo	18.34%	4	-		<b>15.12%</b> (10/10)		
Russell Microcap Index	15.59%	18	5.47%	91	13.73% (10/10)		
Russell 2000 Growth Index	13.74%	41	7.76%	61	13.15% (10/10)		
Russell 2000 Index	14.46%	35	7.07%	70	13.35% (10/10)		
Ativo - Net	17.47%	9	-		14.29% (10/10)		
CAI Small Cap Growth	13.40%		8.62%		-		
DFA Micro Cap	17.13%	35	8.37%	54	<b>11.58%</b> (8/87)		
Russell 2000 Value Index	15.07%	79	6.26%	94	10.37% (8/87)		
Russell 2000 Index	14.46%	80	7.07%	83	8.93% (8/87)		
DFA Micro Cap - Net	16.55%	48	7.83%	74	8.44% (1/05)		
CAI Small Cap Value	16.43%		8.61%		-		
Wall Street	10.50%	88	4.70%	99	<b>13.06%</b> (8/90)		
Russell 2000 Growth Index	13.74%	41	7.76%	61	7.91% (8/90)		
Russell 2000 Index	14.46%	35	7.07%	70	9.94% (8/90)		
Wall Street - Net	9.63%	92	3.87%	100	5.86% (1/05)		
CAI Small Cap Growth	13.40%		8.62%		-		

The table below details the rates of return for the fund's international large cap growth and international large cap value managers over various time periods. Negative returns are shown in red, positive returns in black. Returns for one year or greater are annualized.

Returns and Rankings for Periods Ended December 31, 2016						
	Last Quarter		Year to Date		Last 3 Years	
Intl Large Cap Equity	(1.05%)	41	3.11%	30	(0.30%)	46
MSCI ACWI ex-US Index	(1.25%)	44	4.50%	19	(1.78%)	68
CAI Non-U.S. Eq. Style	(1.80%)		1.47%		(0.55%)	
Intl Large Cap Growth	(2.07%)	52	2.88%	32	(1.22%)	60
CAI Non-U.S. Eq. Style	(1.80%)		1.47%		(0.55%)	
EARNEST Partners	(0.08%)	26	7.61%	5	(1.88%)	71
MSCI ACWI ex-US Index	(1.25%)	<b>20</b> 44	4.50%	<b>5</b> 19	(1.78%)	68
MSCI ACWI ex-US Growth	(5.68%)		0.50%		(0.91%)	
EARNEST Partners - Net		91		64		54
CAI Non-U.S. Eq. Style	(0.13%) (1.80%)	27	7.40% 1.47%	5	(2.08%) (0.55%)	78
William Blair	(3.76%)	75	(0.96%)	78	(0.63%)	51
MSCI ACWI ex-US Index	(1.25%)	44	4.50%	19	(1.78%)	68
MSCI ACWI ex-US Growth	(5.68%)	91	0.50%	64	(0.91%)	54
William Blair - Net	(3.85%)	77	(1.33%)	81	(0.99%)	55
CAI Non-U.S. Eq. Style	(1.80%)		1.47%		(0.55%)	
Intl Large Cap Value CAI Non-U.S. Eq. Style	<b>0.32%</b> (1.80%)	21	<b>6.25%</b> 1.47%	10	<b>0.31%</b> (0.55%)	29
Brandes	2.77%	2	8.50%	3	0.68%	19
MSCI ACWI ex-US Index	(1.25%)	44	4.50%	<b>3</b> 19	(1.78%)	68
MSCI ACWI ex-US Value	3.36%	2	9.59%	2	(1.86%)	71
Brandes - Net	2.72%	3	8.34%	3	0.44%	23
CAI Non-U.S. Eq. Style	(1.80%)	5	1.47%	5	(0.55%)	20
Mondrian	(1.34%)	45	4.73%	17	0.43%	23
MSCI ACWI ex-US Index	(1.25%)	44	4.50%	19	(1.78%)	68
MSCI ACWI ex-US Value	3.36%	2	9.59%	2	(1.86%)	71
Mondrian - Net	(1.47%)	47	4.19%	21	(0.08%)	42
CAI Non-U.S. Eq. Style	(1.80%)		1.47%		(0.55%)	
Lazard	(4.23%)	00	0.70%	64	(1.41%)	62
		83		<b>61</b>		63
MSCI ACWI ex-US Index	(1.25%)	44	4.50%	19	(1.78%)	68
MSCI ACWI ex-US Value	3.36%	2	9.59%	2	(1.86%)	71
Lazard - Net	(4.29%)	83	0.02%	72	(2.02%)	77
CAI Non-U.S. Eq. Style	(1.80%)		1.47%		(0.55%)	



The table below details the rates of return for the fund's international large cap growth and international large cap value managers over various time periods. Negative returns are shown in red, positive returns in black. Returns for one year or greater are annualized.

Returns and Rankings for Periods Ended December 31, 2016						
	Last 5 Years		Last 10 Years		Since Inception	
Intl Large Cap Equity	7.41%	48	1.69%	62	7.61% (9/86)	
MSCI ACWI ex-US Index	5.00%	93	0.96%	87	-	
CAI Non-U.S. Eq. Style	7.39%		2.01%		-	
Intl Large Cap Growth	6.67%	71	1.81%	57	<b>8.02%</b> (9/02)	
CAI Non-U.S. Eq. Style	7.39%		2.01%		-	
EARNEST Partners	5 029/	02	A A70/	7	8 06%	
	5.03%	93	<b>4.47%</b>	7	<b>8.96%</b> (10/04)	
MSCI ACWI ex-US Index	5.00%	93	0.96%	87	5.27% (10/04)	
MSCI ACWI ex-US Growth	5.71%	88	1.87%	55	5.85% (10/04)	
EARNEST Partners - Net	4.66%	96	4.08%	12	7.45% (1/05)	
CAI Non-U.S. Eq. Style	7.39%		2.01%		-	
William Blair	8.17%	30	2.51%	38	<b>9.33%</b> (10/02)	
MSCI ACWI ex-US Index	5.00%	93	0.96%	87	7.90% (10/02)	
MSCI ACWI ex-US Growth	5.71%	88	1.87%	55	7.87% (10/02)	
William Blair - Net	7.75%	39	2.12%	47	5.40% (1/05)	
CAI Non-U.S. Eq. Style	7.39%		2.01%		-	
Intl Large Cap Value CAI Non-U.S. Eq. Style	<b>6.70%</b> 7.39%	70	<b>0.83%</b> 2.01%	91	<b>8.83%</b> (10/95) -	
Brandes	7.72%	39	1.31%	77	9.15% (1/96)	
MSCI ACWI ex-US Index	5.00%	93	0.96%	87	4.69% (1/96)	
MSCI ACWI ex-US Value	5.17%	92	0.91%	88	-	
Brandes - Net	7.47%	46	1.07%	85	3.93% (1/05)	
CAI Non-U.S. Eq. Style	7.39%		2.01%		-	
Mondrian					<b>4.17%</b> (4/12)	
MSCI ACWI ex-US Index	5.00%	02	0.96%	07	2.94% (4/12)	
MSCI ACWI ex-US Value		93		87		
	5.17%	92	0.91%	88	3.19% (4/12) 2.67%	
Mondrian - Net	-		-		3.67% (4/12)	
CAI Non-U.S. Eq. Style	7.39%		2.01%		-	
Lazard	-		-		<b>4.74%</b> (4/12)	
MSCI ACWI ex-US Index	5.00%	93	0.96%	87	2.94% (4/12)	
MSCI ACWI ex-US Value	5.17%	92	0.91%	88	3.19% (4/12)	
Lazard - Net	-	~~	-		4.06% (4/12)	
CAI Non-U.S. Eq. Style	7.39%		2.01%		-	



The table below details the rates of return for the fund's international large cap core, international small cap, and emerging markets managers over various time periods. Negative returns are shown in red, positive returns in black. Returns for one year or greater are annualized.

Neturis	and Kankings for r	enous Li		1 31, 2010	Leat	
	Last		Year to		Last 3	
	Quarter		Date		Years	
Intl Large Cap Active Core	(1.72%)	49	3.44%	25	1.36%	9
MŠCI ACWI ex-US Index	(1.25%)	44	4.50%	19	(1.78%)	68
CAI Non-U.S. Eq. Style	(1.80%)		1.47%		(0.55%)	
Arrowstreet	(0.06%)	26	6.75%	8	1.79%	5
MSCI ACWI ex-US Index	(1.25%)	44	4.50%	19	(1.78%)	68
Arrowstreet - Net CAI Non-U.S. Eq. Style	(0.18%) (1.80%)	27	6.25% 1.47%	10	1.30% (0.55%)	10
CALINGI-0.0. Eq. otyle	(1.00%)		1.4770		(0.0070)	
Brown	(3.77%)	75	(4.14%)	92	1.57%	7
MSCI ACWI ex-US Index	(1.25%)	44 86	4.50%	19 97	(1.78%)	68 25
Brown - Net CAI Non-U.S. Eq. Style	(4.79%) (1.80%)	00	<mark>(5.35%)</mark> 1.47%	97	0.40% (0.55%)	25
	(					
GlobeFlex	(1.07%)	42	4.33%	20	1.50%	8
MSCI ACWI ex-US Index GlobeFlex - Net	(1.25%) (1.17%)	44 43	4.50% 3.90%	19 23	<mark>(1.78%)</mark> 1.09%	68 13
CAI Non-U.S. Eq. Style	(1.80%)	10	1.47%	20	(0.55%)	10
Progress Intl Equity*	(4.39%)	84	3.64%	23	_	
Custom Benchmark	(2.26%)	54	5.01%	16	-	
Progress Intl Equity - Net	(4.52%)	85	3.11%	30	-	
CAI Non-U.S. Eq. Style	(1.80%)		1.47%		(0.55%)	
Intl Large Cap Pass. Core	(0.67%)	35	1.42%	52	(1.23%)	60
CAĪ Non-U.S. Eq. Style	(1.80%)		1.47%		(0.55%)	
NTGI MSCI EAFE Idx	(0.67%)	35	1.42%	52	(1.23%)	60
MSCI EAFE Index	(0.71%)	35	1.00%	56	(1.60%)	65
NTGI EAFE ldx - Net CAI Non-U.S. Eq. Style	(0.67%) (1.80%)	35	1.41% 1.47%	52	(1.24%) (0.55%)	60
CAI NOI-0.3. Eq. Sigle	(1.00%)		1.47 /0		(0.33%)	
International Small Cap	(5.30%)	73	(1.57%)	65	0.20%	81
ACWI Sm Cap ex US CAI Intl Small Cap	(3.52%)	45	3.91%	25	0.76% 2.35%	75
CAI IIII SIIali Cap	(3.70%)		(0.17%)		2.35%	
Franklin Templeton	(3.68%)	49	0.18%	46	0.22%	81
ACWI Sm Cap ex US Franklin Templeton - Net	(3.52%) (3.86%)	45 55	3.91% (0.57%)	25 55	0.76% (0.53%)	75 88
CAI Intl Small Cap	(3.70%)	55	(0.17%)	55	2.35%	00
William Blair ACWI Sm Cap ex US	<b>(6.60%)</b> (3.52%)	<b>82</b> 45	<mark>(2.97%)</mark> 3.91%	<b>79</b> 25	<b>0.18%</b> 0.76%	<b>82</b> 75
Intl SC Blended Benchmark	(3.52%)	45	3.91%	25	0.76%	75
William Blair - Net	(6.78%)	83	(3.72%)	84	(0.60%)	88
CAI Intl Small Cap	(3.70%)		(0.17%)		2.35%	
Emerging Markets	(3.54%)	52	12.22%	58	(1.63%)	58
MSCI Emerging Mkts Idx CAI Emerging Core	(4.08%) (3.40%)	66	11.60% 12.50%	65	(2.19%) (1.40%)	81
	(3.40%)		12.00%		(1.40%)	
Genesis	(3.54%)	52	12.22%	58	(1.63%)	58
MSCI Emerging Markets Index Genesis - Net	(4.08%) (3.54%)	66 52	11.60% 11.77%	65 64	(2.19%) (2.15%)	81 80
CAI Emerging Core	(3.40%)	52	12.50%	04	(1.40%)	00
					· · · · ·	

## **Returns and Rankings for Periods Ended December 31, 2016**

\* Custom benchmark is calculated as a weighted average of each fund s respective benchmark.

Ca	llan

The table below details the rates of return for the fund's international large cap core, international small cap, and emerging markets managers over various time periods. Negative returns are shown in red, positive returns in black. Returns for one year or greater are annualized.

Returns and Rankings for Periods Ended December 31, 2016					
	Last 5 Years		Last 10 Years		Since Inception
ntl Large Cap Active Core MSCI ACWI ex-US Index CAI Non-U.S. Eq. Style	9.20% 5.00% 7.39%	<b>15</b> 93	0.96% 2.01%	87	3.28% (2/08) 0.49% (2/08) -
Arrowstreet MSCI ACWI ex-US Index Arrowstreet - Net CAI Non-U.S. Eq. Style	<b>9.45%</b> 5.00% 8.94% 7.39%	<b>10</b> 93 17	0.96%	87	3.50% (3/08) 0.17% (3/08) 3.02% (3/08)
Brown MSCI ACWI ex-US Index Brown - Net CAI Non-U.S. Eq. Style	<b>10.90%</b> 5.00% 9.82% 7.39%	<b>4</b> 93 8	<b>3.33%</b> 0.96% 2.66% 2.01%	<b>21</b> 87 33	<b>7.38%</b> (10/04) 5.27% (10/04) 5.65% (1/05)
GlobeFlex MSCI ACWI ex-US Index GlobeFlex - Net CAI Non-U.S. Eq. Style	<b>8.53%</b> 5.00% 8.08% 7.39%	<b>24</b> 93 31	<b>2.28%</b> 0.96% 1.83% 2.01%	<b>42</b> 87 56	<b>3.84%</b> (3/06) 2.50% (3/06) 3.39% (3/06)
Progress Intl Equity* Custom Benchmark Progress Intl Equity - Net CAI Non-U.S. Eq. Style	- - 7.39%		- 2.01%		<b>(2.59%)</b> (7/14) (3.26%) (7/14) (3.00%) (7/14)
ntl Large Cap Pass. Core CAI Non-U.S. Eq. Style	<b>6.95%</b> 7.39%	62	<b>1.16%</b> 2.01%	81	<b>2.64%</b> (1/00)
NTGI MSCI EAFE Idx MSCI EAFE Index NTGI EAFE Idx - Net CAI Non-U.S. Eq. Style	<b>6.95%</b> 6.53% 6.94% 7.39%	<b>62</b> 73 63	<b>1.15%</b> 0.75% 1.15% 2.01%	<b>81</b> 93 82	<b>3.04%</b> (2/00) 2.66% (2/00) 4.07% (1/05)
nternational Small Cap ACWI Sm Cap ex US CAI Intl Small Cap	<b>9.44%</b> 7.74% 11.72%	<b>81</b> 92	<b>0.89%</b> 2.89% 4.69%	<b>95</b> 87	<b>3.60%</b> (12/05) 5.43% (12/05)
Franklin Templeton ACWI Sm Cap ex US Franklin Templeton - Net CAI Intl Small Cap	<b>9.37%</b> 7.74% 8.56% 11.72%	<b>82</b> 92 89	2.89% 4.69%	87	<b>4.26%</b> (8/11) 2.87% (8/11) 3.52% (8/11)
William Blair ACWI Sm Cap ex US Intl SC Blended Benchmark William Blair - Net CAI Intl Small Cap	<b>9.50%</b> 7.74% 7.74% 8.65% 11.72%	<b>81</b> 92 92 88	2.89% 1.89% 4.69%	87 93	8.94% (9/10) 6.31% (9/10) 6.83% (9/10) 8.12% (9/10)
merging Markets MSCI Emerging Mkts Idx CAI Emerging Core	<b>3.37%</b> 1.64% 2.98%	<b>35</b> 86	<b>4.87%</b> 2.17% 3.32%	<b>17</b> 81	<b>8.67%</b> (2/92) 6.63% (2/92)
Genesis MSCI Emerging Markets Index Genesis - Net CAI Emerging Core	<b>3.37%</b> 1.64% 2.82% 2.98%	<b>35</b> 86 56	<b>4.89%</b> 2.17% 4.29% 3.32%	<b>16</b> 81 23	<b>10.83%</b> (5/04) 8.36% (5/04) 8.57% (1/05)

#### Returns and Rankings for Periods Ended December 31, 2016

\* Custom benchmark is calculated as a weighted average of each fund s respective benchmark.

The table below details the rates of return for the fund's domestic fixed core managers over various time periods. Negative returns are shown in red, positive returns in black. Returns for one year or greater are annualized.

			Year		Last	
	Last		to		3	
	Quarter		Date		Years	
Total Fixed Income	(2.17%)	65	4.85%	38	3.65%	27
Blmbg Aggregate Index	(2.98%)	91	2.65%	74	3.03%	62
Pub Pln- Dom Fixed	(2.02%)		3.90%		3.32%	
Dom. Fixed Active Core	(2.54%)	23	3.36%	40	3.58%	33
CAI Core Bond FI	(2.73%)		3.13%		3.39%	
EARNEST Partners	(2.82%)	65	2.28%	97	3.70%	27
Blmbg Aggregate Index	(2.98%)	87	2.65%	86	3.03%	87
EARNEST Partners - Net	(2.86%)	75	2.08%	98	3.49%	37
CAI Core Bond FI	(2.73%)	15	3.13%	30	3.39%	51
Piedmont	(2.34%)	•	4.52%	8	3.43%	45
Bimbg Aggregate Index	(2.98%)	8	2.65%		3.03%	
Piedmont - Net	(2.38%)	87 9	4.35%	86 11	3.28%	87 69
CAI Core Bond FI	(2.38%)	9	4.35% 3.13%	11	3.39%	69
CAI COLE BOILU FI	(2.73%)		3.13%		3.39%	
Garcia Hamilton	(2.45%)	12	3.25%	45	-	
Blmbg Aggregate Index	(2.98%)	87	2.65%	86	3.03%	87
Garcia Hamilton	(2.48%)	14	3.12%	50	-	
CAI Core Bond FI	(2.73%)		3.13%		3.39%	
Dom. Fixed Passive Core	(3.02%)	93	2.69%	84	3.13%	81
CAI Core Bond FI	(2.73%)		3.13%		3.39%	
NTGI BImbg Agg. Index	(3.06%)	96	2.63%	87	3.09%	84
Bimbg Aggregate Index	(2.98%)	<b>90</b> 87	2.65%	86	3.03%	<b>64</b> 87
NTGI BC Agg. Index - Net	(3.06%)	96	2.63%	80 87	3.08%	84
CAI Core Bond FI	(2.73%)	30	3.13%	07	3.39%	04
	(2.1070)		0.1070		0.0070	
BlackRock US Debt	(2.98%)	87	2.75%	80	3.18%	77
Blmbg Aggregate Index	(2.98%)	87	2.65%	86	3.03%	87
BlackRock US Debt -Net	(2.98%)	88	2.75%	81	3.18%	77
CAI Core Bond FI	(2.73%)		3.13%		3.39%	



The table below details the rates of return for the fund's domestic fixed core managers over various time periods. Negative returns are shown in red, positive returns in black. Returns for one year or greater are annualized.

	Last	Last			
	5		10		Since
	Years		Years		Inception
Total Fixed Income	3.52%	26	5.20%	20	8.51% (1/82)
Blmbg Aggregate Index	2.23%	71	4.34%	61	7.98% (1/82)
Pub Pln- Dom Fixed	2.23%	71	4.59%	01	7.3070 (1/82)
Fub Fill- Dolli Fiked	2.07 /0		4.59%		-
Dom. Fixed Active Core	3.01%	36	4.73%	72	<b>4.66%</b> (4/01)
CAI Core Bond FI	2.86%		4.90%		-
	,				
EARNEST Partners	2.97%	40	4.82%	56	<b>4.68%</b> (5/05)
Blmbg Aggregate Index	2.23%	<b>40</b> 97	4.34%	<b>9</b> 0	4.23% (5/05)
EARNEST Partners - Net	2.23%		4.61%		4.23% (5/05) 4.47% (5/05)
		61	4.01%	82	<b>4.4</b> <i>1</i> <b>70</b> (5/05)
CAI Core Bond FI	2.86%		4.90%		-
Piedmont	3.03%	35	4.61%	82	<b>4.46%</b> (6/05)
Blmbg Aggregate Index	2.23%	97	4.34%	90	4.16% (6/05)
Piedmont - Net	2.86%	49	4.43%	89	4.27% (6/05)
CAI Core Bond FI	2.86%		4.90%		-
Garcia Hamilton	<u> </u>		_		<b>2.12%</b> (6/15)
Blmbg Aggregate Index	2.23%	97	4.34%	90	1.38% (6/15)
Garcia Hamilton	2.2570	97	4.0470	90	2.03% (6/15)
CAI Core Bond FI	- 2.86%		- 4.90%		2.03 70 (6/15)
CAI COLE BOILT FI	2.80%		4.90%		-
Dom. Fixed Passive Core	2.28%	97	4.31%	90	<b>6.13%</b> (1/90)
CAI Core Bond FI	2.86%	•••	4.90%		-
	2.0070		1.0070		
NTGI Bimbg Agg. Index	2.26%	97	4.30%	90	<b>6.20%</b> (2/90)
Blmbg Aggregate Index	2.23%	97	4.34%	90	6.19% (2/90)
NTGI BC Agg. Index - Net	2.25%	97	4.29%	91	4.14% (1/05)
CAI Core Bond FI	2.86%	÷.	4.90%		-
	2.0070				
BlackRock US Debt	-		-		<b>2.90%</b> (10/13)
Blmbg Aggregate Index	2.23%	97	4.34%	90	2.75% (10/13)
BlackRock US Debt -Net	-		-		2.89% (10/13)
CAI Core Bond FI	2.86%		4.90%		-
	2.0070		1.0075		

The table below details the rates of return for the fund's domestic, international and high yield fixed income managers over various time periods. Negative returns are shown in red, positive returns in black. Returns for one year or greater are annualized.

Kotarrie	and Kankings for r	CHOUS EN			Last	
	1 4		Year		Last	
	Last Quarter		to Date		3 Xaara	
Domestic Fixed Core Plus	(2.37%)	54	Date	54	Years 3.91%	32
Blmbg Aggregate Index	(2.98%)	<b>54</b> 99	2.65%	<b>54</b> 99	3.03%	<b>32</b> 94
CAI Core Plus Fl	(2.33%)		4.67%		3.54%	01
BlackRock Core Plus	(2.76%)	90	3.30%	84	3.54%	50
Blmbg Aggregate Index	(2.98%)	99	2.65%	99	3.03%	94
BlackRock Core Plus - Net	(2.77%)	91	3.19%	92	3.34%	74
CAI Core Plus FI	(2.33%)		4.67%		3.54%	
Brandes FI Core +	(3.05%)	99	-		-	
Blmbg Aggregate Index	(2.98%)	99	2.65%	99	3.03%	94
Brandes FI Core + - Net CAI Core Plus FI	(3.05%)	99	- 4.67%		- 3.54%	
CAI COLE PIUS FI	(2.33%)		4.07 %		3.54%	
LM Capital	(2.49%)	69	3.74%	76	3.59%	48
Blmbg Aggregate Index LM Capital - Net	(2.98%) (2.53%)	99 73	2.65% 3.57%	99 82	3.03% 3.42%	94 66
CAI Core Plus Fl	(2.33%)	15	4.67%	02	3.54%	00
Progress Fixed Income	(2.27%)	44	4.19%	66	3.56%	49
Bimbg Aggregate Index	(2.98%)	99	2.65%	99	3.03%	<b>49</b> 94
Progress Fixed Inc Net	(2.35%)	53	3.85%	72	3.22%	85
CAI Core Plus Fl	(2.33%)		4.67%		3.54%	
Taplin, Canida, Habacht	(1.58%)	5	7.44%	5	4.48%	7
Blmbg Aggregate Index	(2.98%)	99	2.65%	99	3.03%	94
Taplin, Canida, Hab Net	(1.61%)	7	7.30%	5	4.35%	13
CAI Core Plus FI	(2.33%)		4.67%		3.54%	
Western	(2.56%)	74	5.12%	35	4.37%	8
Blmbg Aggregate Index	(2.98%)	99	2.65%	99	3.03%	94
Western - Net CAI Core Plus FI	(2.60%) (2.33%)	76	4.97% 4.67%	44	4.23% 3.54%	16
CAI COLE PIUS FI	(2.33%)		4.07 %		3.54%	
Bank Loans	3.74%		11.19%		-	
Barings Global Loan Fund Custom Benchmark*	3.74% 2.18%		11.19% 9.58%		-	
Barings Global Loan Fund - Net	3.74%		11.19%		-	
Emerging Markets	(3.54%)	46	11.57%	38	_	
Standish	(3.54%)	46	11.57%	38	-	
Custom Benchmark**	(4.39%)	65	10.29%	57	0.60%	61
Standish - Net	(3.63%)	49	11.19%	44	-	
Emerging Debt Database	(3.66%)		10.70%		3.02%	
Opportunistic Fixed Income	0.44%		8.99%		-	
Crescent	0.44%		8.99%		-	
Custom Benchmark***	2.07%		13.79%		4.17%	
Crescent - Net	0.44%		8.50%		-	
High Yield	1.47%	70	15.73%	27	5.72%	6
CAI High Yield Fixed Inc	1.76%		14.74%		4.61%	
MacKay Shields	1.80%	39	16.72%	18	5.88%	5
ML High Yield Cash Pay Index	1.85%	37	17.34%	13	4.69%	46
MacKay Shields - Net CAI High Yield Fixed Inc	1.71% 1.76%	57	16.32% 14.74%	23	5.51% 4.61%	18
	1.70%		14.14/0		4.0170	

#### **Returns and Rankings for Periods Ended December 31, 2016**

Taplin, Canida, Habacht switched from core to core plus effective 10/01/2010. \* Custom Benchmark is Credit Suisse US Leveraged Loan Index and the Credit Suisse Western European Leveraged Loan Index, weighted by the portfolio's market value to each sector. \*\* Custom Benchmark is 50% JPM GBI-EM Index, 25% JPM EMBI Global Index and 25% JPM Corporate EMBI Diversified Index. \*\*\* Custom Benchmark is 50% S&P/LSTA Leveraged Loan Index and 50% US High Yield Master II Index.



The table below details the rates of return for the fund's domestic, international and high yield fixed income managers over various time periods. Negative returns are shown in red, positive returns in black. Returns for one year or greater are annualized.

Returns and Rankings for Periods Ended December 31, 2016					
	Last 5		Last 10		Since
	Years		Years		Inception
Domestic Fixed Core Plus Blmbg Aggregate Index CAI Core Plus Fl	<b>3.58%</b> 2.23% 3.72%	<b>63</b> 100	<b>4.98%</b> 4.34% 5.35%	<b>80</b> 97	8.35% (1/82) 7.98% (1/82)
BlackRock Core Plus Blmbg Aggregate Index BlackRock Core Plus - Net CAI Core Plus Fl	<b>2.96%</b> 2.23% 2.78% 3.72%	<b>95</b> 100 98	4.34% 5.35%	97	<b>4.81%</b> (4/07) 4.30% (4/07) 4.68% (4/07)
Brandes FI Core + Bimbg Aggregate Index Brandes FI Core + - Net CAI Core Plus FI	2.23% 3.72%	100	4.34% 5.35%	97	(0.12%) (3/16) 0.54% (3/16) (0.12%) (3/16)
LM Capital Blmbg Aggregate Index LM Capital - Net CAI Core Plus FI	<b>3.31%</b> 2.23% 3.14% 3.72%	<b>80</b> 100 83	<b>5.18%</b> 4.34% 5.01% 5.35%	<b>68</b> 97 79	<b>5.07%</b> (5/05) 4.23% (5/05) 4.90% (5/05)
Progress Fixed Income Bimbg Aggregate Index Progress Fixed Inc Net CAI Core Plus FI	<b>3.26%</b> 2.23% 2.91% 3.72%	<b>80</b> 100 97	<b>5.03%</b> 4.34% 4.67% 5.35%	<b>78</b> 97 92	<b>5.06%</b> (1/06) 4.34% (1/06) 4.72% (1/06)
Taplin, Canida, Habacht Bimbg Aggregate Index Taplin, Canida, Hab Net CAI Core Plus Fl	<b>4.18%</b> 2.23% 4.04% 3.72%	<b>27</b> 100 35	<b>5.30%</b> 4.34% 5.17% 5.35%	<b>51</b> 97 68	5.13% (5/05) 4.23% (5/05) 5.00% (5/05)
Western Blmbg Aggregate Index Western - Net CAI Core Plus Fl	<b>4.05%</b> 2.23% 3.90% 3.72%	<b>35</b> 100 39	<b>5.06%</b> 4.34% 4.91% 5.35%	<b>77</b> 97 81	<b>5.55%</b> (11/01) 4.39% (11/01) 4.94% (1/05)
Bank Loans Barings Global Loan Fund Custom Benchmark Barings Global Loan Fund - Net	- - -		- - -		4.14%         (8/14)           4.14%         (8/14)           3.73%         (8/14)           4.14%         (8/14)
E <b>merging Markets</b> Standish Custom Benchmark Standish - Net Emerging Debt Database	- 2.16% - 4.54%	59	- 5.20% - 6.81%	66	(0.61%) (8/14) (0.61%) (8/14) (1.73%) (8/14) (0.92%) (8/14)
Dpportunistic Fixed Income Crescent Custom Benchmark Crescent - Net	- 6.24% -		- 6.00% -		<b>2.09%</b> (8/14) 1.80% (9/14) 3.52% (9/14) 1.52% (9/14)
ligh Yield CAI High Yield Fixed Inc	<b>7.66%</b> 7.36%	36	<b>7.61%</b> 7.42%	39	<b>9.81%</b> (4/86)
MacKay Shields ML High Yield Cash Pay Index MacKay Shields - Net CAI High Yield Fixed Inc	<b>7.74%</b> 7.30% 7.33% 7.36%	<b>35</b> 55 53	<b>7.34%</b> 7.27% 6.96% 7.42%	<b>57</b> 57 67	<b>9.22%</b> (11/00) 7.85% (11/00) 7.09% (1/05)

## **Returns and Rankings for Periods Ended December 31, 2016**

Taplin, Canida, Habacht switched from core to core plus effective 10/01/2010.

Callan

## **Real Estate Returns**

The table below details the rates of return for the fund's real estate opportunistic, real estate core, and real estate value added managers over various time periods. Negative returns are shown in red, positive returns in black. Returns for one year or greater are annualized.

	Returns for Fenous Linde	Year	Last	
	Last	to	3	
	Quarter	Date	Years	
Real Estate Core	2.86%	8.61%	10.72%	
TA Buckhead Ind. Prop.	<b>2.44%</b>	<b>9.88%</b>	<b>11.22%</b>	
Blended Benchmark**	1.88%	7.79%	11.04%	
Barings Core Property Fund	<b>4.64%</b>	<b>9.04%</b>	<b>10.43%</b>	
Blended Benchmark**	1.88%	7.79%	11.04%	
INVESCO Core RE	<b>1.95%</b>	<b>8.31%</b>	<b>10.90%</b>	
Blended Benchmark**	1.88%	7.79%	11.04%	
AEW Core Property Trust	<b>1.56%</b>	<b>5.71%</b>	<b>9.36%</b>	
Blended Benchmark**	1.88%	7.79%	11.04%	
Real Estate Non-Core	2.56%	9.41%	12.60%	
Artemis MWBE Spruce Blended Benchmark**	<mark>(1.00%)</mark> 1.88%	7.79%	11.04%	
Franklin Templeton EMREFF	<b>16.48%</b>	<b>26.25%</b>	<b>18.59%</b>	
Blended Benchmark**	1.88%	7.79%	11.04%	
Security Capital	<mark>(9.62%)</mark>	<b>6.04%</b>	<b>7.79%</b>	
Blended Benchmark**	1.88%	7.79%	11.04%	
Dune II	<b>1.26%</b>	<b>16.71%</b>	<b>15.27%</b>	
Blended Benchmark**	1.88%	7.79%	11.04%	
Non-Core Real Estate Funds	<b>3.86%</b>	<b>11.24%</b>	<b>13.17%</b>	
Blended Benchmark**	1.88%	7.79%	11.04%	
Rockwood Fund VIII	<mark>(3.32%)</mark>	<mark>(7.32%)</mark>	<b>19.48%</b>	
Blended Benchmark**	1.88%	7.79%	11.04%	
Almanac ARS V	<mark>(4.50%)</mark>	<b>6.82%</b>	<b>15.60%</b>	
Blended Benchmark**	1.88%	7.79%	11.04%	
TA Realty IX	<b>1.84%</b>	<b>9.05%</b>	<b>12.27%</b>	
Blended Benchmark**	1.88%	7.79%	11.04%	
Non-US Real Estate	<mark>(3.63%)</mark>	<mark>(19.72%)</mark>	-	
Blended Benchmark**	1.88%	7.79%	11.04%	

#### **Returns for Periods Ended December 31, 2016**

Returns are time-weighted and are reported net of fee for all real estate managers. \*\* The Blended Benchmark is currently ODCE Value Weigh Index+1%. Returns between January 1, 2007 and December 31, 2012 reflect NPI+1%. Returns prior to January 1, 2007, reflect those of the Consumer Price Index +5%.



## **Real Estate Returns**

The table below details the rates of return for the fund's real estate opportunistic, real estate core, and real estate value added managers over various time periods. Negative returns are shown in red, positive returns in black. Returns for one year or greater are annualized.

Returns for Periods Ended December 31, 2016						
	Last 5 Years	Last 10 Years	Since Inception			
Real Estate Core	10.87%	5.05%	<b>7.10%</b> (4/99)			
<b>TA Buckhead Ind. Prop.</b>	<b>11.17%</b>	<b>7.84%</b>	<b>10.42%</b> (8/95)			
Blended Benchmark**	11.51%	7.74%	-			
Barings Core Property Fund	<b>10.75%</b>	-	<b>10.56%</b> (8/11)			
Blended Benchmark**	11.51%	7.74%	11.70% (8/11)			
INVESCO Core RE	<b>10.43%</b>	-	<b>10.94%</b> (4/11)			
Blended Benchmark**	11.51%	7.74%	12.00% (4/11)			
AEW Core Property Trust	-	-	<b>10.68%</b> (10/13)			
Blended Benchmark**	11.51%	7.74%	<b>11.13%</b> (10/13)			
Real Estate Non-Core	13.01%		<b>12.86%</b> (1/10)			
Franklin Templeton EMREFF	<b>14.61%</b>	-	<b>12.35%</b> (9/11)			
Blended Benchmark**	11.51%	7.74%	11.65% (9/11)			
Security Capital	<b>7.43%</b>	<b>4.02%</b>	<b>11.91%</b> (11/97)			
Blended Benchmark**	11.51%	7.74%	-			
Dune II	<b>18.82%</b>	-	<b>6.62%</b> (2/09) 8.84% (2/09)			
Blended Benchmark**	11.51%	7.74%				
Non-Core Real Estate Funds	<b>12.40%</b>	-	<b>11.49%</b> (10/11)			
Blended Benchmark**	11.51%	7.74%	<b>11.60%</b> (10/11)			
Rockwood Fund VIII	<b>20.28%</b>	-	(23.39%) (4/09)			
Blended Benchmark**	11.51%	7.74%	9.72% (4/09)			
Almanac ARS V	<b>13.95%</b>	-	<b>7.34%</b> (10/08)			
Blended Benchmark**	11.51%	7.74%	<b>7.06%</b> (10/08)			
TA Realty IX	<b>12.32%</b>	-	<b>10.59%</b> (5/10)			
Blended Benchmark**	11.51%	7.74%	<b>12.70%</b> (5/10)			
Non-US Real Estate	-	-	(14.01%) (8/14)			
Blended Benchmark**	11.51%	7.74%	11.13% (8/14)			

## **Returns for Periods Ended December 31, 2016**

Returns are time-weighted and are reported net of fee for all real estate managers.

\*\* The Blended Benchmark is currently ODCE Value Weigh Index+1%. Returns between January 1, 2007 and December 31, 2012 reflect NPI+1%. Returns prior to January 1, 2007, reflect those of the Consumer Price Index +5%.



## **Alternative Investments Returns**

The table below details the rates of return for the fund's absolute return, private equity, agriculture, and timberland managers over various time periods. Negative returns are shown in red, positive returns in black. Returns for one year or greater are annualized.

			Year		Last 3	
	Last		to			
	Quarter		Date		Years	
Absolute Return CAI Abs Return Hedge FoF	<b>6.34%</b> 2.23%	1	<b>4.80%</b> 3.53%	11	<b>4.02%</b> 1.89%	3
Aurora Alternatives Custom Benchmark* HFR Fund-of-Funds Index	<b>6.34%</b> 2.18% 0.90%	<b>1</b> 51 83	<b>4.80%</b> 9.00% 0.55%	<b>11</b> 1 100	<b>4.02%</b> 9.00% 1.21%	<b>3</b> 1 62
CAI Abs Return Hedge FoF	2.23%	00	3.53%	100	1.89%	02
Private Equity	3.56%		8.63%		10.22%	
Abbott	4.73%		10.27%		9.33%	
Alternatives Custom Benchmark* Abbott - Net	2.18% 4.63%		9.00% 9.93%		9.00% 8.92%	
Muller & Monroe ILPEFF Alternatives Custom Benchmark*	<b>2.56%</b> 2.18%		<b>2.22%</b> 9.00%		<b>2.53%</b> 9.00%	
Muller & Monroe MPEFF	(0.70%)		3.95%		14.99%	
Alternatives Custom Benchmark*	2.18%		9.00%		9.00%	
Pantheon	2.82%		7.30%		9.64%	
Alternatives Custom Benchmark* Pantheon - Net	2.18% 2.72%		9.00% 7.04%		9.00% 9.16%	
Private Equity Fds- Domestic	3.36%		10.12%		13.31%	
Alternatives Custom Benchmark* Private Eq Fds- Domestic - Net	2.18% 3.36%		9.00% 10.12%		9.00% 13.31%	
Private Equity Fds- International	0.56%		(32.27%)		-	
Alternatives Custom Benchmark*	2.18%		9.00%		9.00%	
Agriculture	1.24%		(0.47%)		14.27%	
Premiere Partners IV	1.24%		(0.47%)		-	
NCREIF Farmland Index (1Q lagged) NCREIF Total Index (1Q lagged) CAI RE Agriculture Funds	1.40% 1.77% -		8.56% 9.22% -		12.22% 11.31% -	
imberland	1.42%		(4.58%)		2.91%	
Forest Investment Assoc. NCREIF Timberland Index	<b>1.42%</b> 0.67%		<mark>(4.58%)</mark> 3.28%		<b>4.34%</b> 7.59%	

## **Returns and Rankings for Periods Ended December 31, 2016**

Returns are reported net of fee for all alternative investment managers with the exception of Abbott and Pantheon.

\* The Alternatives Custom Benchmark is based on an annualized rate of return of 9.0%. Prior to July 1, 2010 the Benchmark was based on an annual return of 12.0%. Prior to 2004, the Benchmark was based on an annual return of

13.0%. Prior to 2003, it was based on an annual return of 15.0%. Private Equity performance is lagged one quarter. Agriculture and Timberland performance is lagged one month.



## **Alternative Investments Returns**

The table below details the rates of return for the fund's absolute return, private equity, agriculture, and timberland managers over various time periods. Negative returns are shown in red, positive returns in black. Returns for one year or greater are annualized.

Returns and Rankings for Periods Ended December 31, 2016									
Last 5		Last 10 Vegro		Since					
	47		65						
<b>5.24%</b> 4.27%	17	3.45%	05	4.03%	(1/02)				
6.08%	7	<b>4.01%</b>	18	<b>5.85%</b>	(11/01)				
3.43% 4.27%	73	1.32% 3.45%	98	3.37%	(11/01) (11/01)				
10.05%		8.81%		12.78%	(2/86)				
9.92%		8.56%		13.68%	(7/87)				
9.00% 9.92%		10.04% 8.56%		12.92% 13.68%	(7/87) (7/87)				
<b>1.45%</b> 9.00%		<mark>(0.61%)</mark> 10.04%		<mark>(6.07%)</mark> 10.29%	(7/05) (7/05)				
<b>11.73%</b> 9.00%		- 10.04%		<b>5.66%</b> 9.74%	(5/08) (5/08)				
<b>10.08%</b> 9.00% 9.53%		<b>9.35%</b> 10.04%		<b>8.92%</b> 11.24% 10.89%	(11/00) (11/00) (1/10)				
9.00%		10.04%		<b>8.70%</b> 9.00% 7.03%	(6/12) (6/12) (6/12)				
-		-							
16.32%		9.99%		8.68%	(10/97)				
		-		10.35%	(3/15)				
15.06% 11.18% -		13.98% 7.22% -		- - -					
2.78%		4.82%		8.04%	(10/92)				
<b>4.04%</b> 6.91%		<b>5.65%</b> 6.37%		8.39% -	(10/92)				
	Last 5 Years 5.24% 4.27% 6.08% 9.00% 3.43% 4.27% 10.05% 9.92% 1.45% 9.00% 9.92% 1.45% 9.00% 11.73% 9.00% 10.08% 9.00% 15.3% 5.3% 2.78%	Last 5 Years 17 4.27% 17 4.27% 10.05% 9.92% 10.05% 9.92% 1.45% 9.00% 9.92% 1.45% 9.00% 11.73% 9.00% 10.08% 9.00% 16.32% 16.32% 2.78% 4.04%	Last         Last         10           Years         Years           5.24%         17         3.07%           4.27%         17         3.45%           6.08%         7         4.01%           9.00%         1         10.04%           3.43%         73         1.32%           4.27%         3.45%           6.08%         7         4.01%           9.00%         1         10.04%           3.43%         73         1.32%           4.27%         3.45%         8.81%           10.05%         8.81%         9.92%           10.05%         8.81%         9.92%           9.92%         8.56%         10.04%           9.92%         8.56%         10.04%           11.73%         -         -           9.00%         10.04%         9.35%           9.00%         10.04%         -           9.00%         10.04%         -           9.00%         10.04%         -           9.00%         10.04%         -           9.00%         10.04%         -           14.32%         9.99%         -           15.06% </td <td>Last 10 Years Years 5.24% 17 3.07% 65 4.27% 7 4.01% 18 9.00% 7 10.04% 1 3.43% 73 1.32% 98 4.27% 8.56% 9.00% 10.04% 9.92% 8.56% 9.00% 10.04% 9.92% 8.56% 1.45% (0.61%) 9.00% 10.04% 11.73% - 9.00% 10.04% 11.73% - 9.00% 10.04% 10.08% 9.35% 9.00% 10.04% 10.08% 9.35% 9.00% 10.04% 10.04% - - - 16.32% 9.99% 1.5.06% 13.98% 11.18% 7.22% - 2.78% 4.82% 4.04% 5.65%</td> <td>Last         Last         Since           5         10         Since           5.24%         17         3.07%         65         4.65%           4.27%         17         3.07%         65         4.65%           4.27%         1         10.04%         1         10.99%           9.00%         1         10.04%         1         10.99%           3.43%         73         1.32%         98         3.37%           4.27%         3.45%         -         -         -           10.05%         8.81%         12.78%         -         -           9.00%         10.04%         12.92%         9.22%         8.56%         13.68%           9.00%         10.04%         12.92%         9.92%         8.56%         13.68%           9.00%         10.04%         12.92%         9.92%         8.56%         13.68%           14.5%         (0.61%)         (6.07%)         9.02%         10.29%           11.73%         -         -         7.03%         -           -         -         -         7.03%         -         -           -         -         -         -         7.03%</td>	Last 10 Years Years 5.24% 17 3.07% 65 4.27% 7 4.01% 18 9.00% 7 10.04% 1 3.43% 73 1.32% 98 4.27% 8.56% 9.00% 10.04% 9.92% 8.56% 9.00% 10.04% 9.92% 8.56% 1.45% (0.61%) 9.00% 10.04% 11.73% - 9.00% 10.04% 11.73% - 9.00% 10.04% 10.08% 9.35% 9.00% 10.04% 10.08% 9.35% 9.00% 10.04% 10.04% - - - 16.32% 9.99% 1.5.06% 13.98% 11.18% 7.22% - 2.78% 4.82% 4.04% 5.65%	Last         Last         Since           5         10         Since           5.24%         17         3.07%         65         4.65%           4.27%         17         3.07%         65         4.65%           4.27%         1         10.04%         1         10.99%           9.00%         1         10.04%         1         10.99%           3.43%         73         1.32%         98         3.37%           4.27%         3.45%         -         -         -           10.05%         8.81%         12.78%         -         -           9.00%         10.04%         12.92%         9.22%         8.56%         13.68%           9.00%         10.04%         12.92%         9.92%         8.56%         13.68%           9.00%         10.04%         12.92%         9.92%         8.56%         13.68%           14.5%         (0.61%)         (6.07%)         9.02%         10.29%           11.73%         -         -         7.03%         -           -         -         -         7.03%         -         -           -         -         -         -         7.03%				

#### Returns and Rankings for Periods Ended December 31, 2016

Returns are reported net of fee for all alternative investment managers with the exception of Abbott and Pantheon. \* The Alternatives Custom Benchmark is based on an annualized rate of return of 9.0%. Prior to July 1, 2010 the Benchmark was based on an annual return of 12.0%. Prior to 2004, the Benchmark was based on an annual return of

13.0%. Prior to 2003, it was based on an annual return of 15.0%. Private Equity performance is lagged one quarter. Agriculture and Timberland performance is lagged one month.

