# FRESNO COUNTY EMPLOYEES' RETIREMENT ASSOCIATION

#### **INVESTMENT PERFORMANCE REVIEW**

PERIOD ENDING: DECEMBER 31, 2012

999 THIRD AVENUE, SUITE 4200 SEATTLE, WASHINGTON 98104 (206) 622-3700 2321 ROSECRANS AVENUE, SUITE 2250 EL SEGUNDO, CA 90245 (310) 297-1777

## FRESNO COUNTY EMPLOYEES' RETIREMENT ASSOCIATION

#### **PORTFOLIO RECONCILIATION**

Period Ending: December 31, 2012

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Portfolio Reconciliation

	Quarter		YTD
Market Value of Portfolio on: 09/30/12	\$3,290,962,548	12/31/11	\$2,989,510,235
Net Contributions/Withdrawals	-\$345,099		-\$20,634,137
Growth from Investments			
Investment Income	\$18,036,490	\$67	,680,291
Change in Market Value	\$53,929,960	\$326	,027,510
Total Growth from Investments	<u>\$71,966,450</u>		\$393,707,801
Market Value of Portfolio on: 12/31/12			\$3,362,583,899

#### FRESNO COUNTY EMPLOYEES' RETIREMENT ASSOCIATION

#### **EXECUTIVE SUMMARY**

Cash

**Cash and Equivalents** 

60.0

1.8%

0.0

0.1

0.1 77

0.2

0.9

0.1

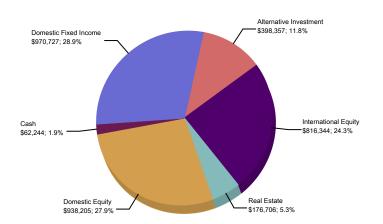
TOTAL CASH (G)

90-DAY T-BILLS

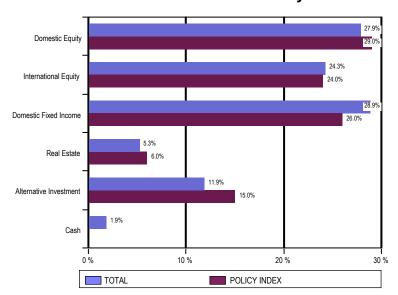
Market Value Quarter One Yr Three Yrs Five Yrs Ten Yrs 000.000's (%) Rtn Rnk Rtn Rnk Rtn Rnk Rtn Rnk Rtn Rnk Total **Total Fund** TOTAL FUND (G) 3 362 6 100 0% 2.3 34 13.3 43 9.7 23 3.7 27 8.7 18 22 TOTAL FUND (N) 22 39 12.9 53 9.3 38 3.4 36 8.4 **Policy Index** POLICY INDEX 1.5 68 12.3 66 8.4 73 2.4 71 7.4 **Domestic Equity Domestic Equity** TOTAL U.S. EQUITY (G) 943.9 28.1% 0.9 53 16.1 12.3 29 2.7 52 8.1 70 **RUSSELL 3000 INDEX** 0.2 16.4 11.2 2.0 7.7 International Equity International Equity TOTAL FOREIGN EQUITY (G) 821 2 24 4% 7.1 30 19.5 6.8 40 -0.4 31 10.1 48 MSCI ACWI ex U.S. GROSS 5.9 17.4 4.3 -2.4 10.2 **Domestic Fixed Income Domestic Fixed Income** TOTAL U.S. FIXED (G) 962.4 28.6% 1.2 9.9 27 9.4 27 8.6 21 6.8 25 BC AGGREGATE INDEX 0.2 4.2 6.2 5.9 5.2 Real Estate Real Estate TOTAL REALTY (G) 176.7 5.3% 1.3 8.5 11.2 -1.1 8.3 2.1 NCREIF PROPERTY INDEX 2.5 10.5 12.6 8.4 6.7 NFI-ODCE INDEX 2.4 10.9 14.4 -1.1 **Alternative Investment Hedge Funds** TOTAL HEDGE FUNDS (N) 104.9 3.1% 0.5 2.2 1.4 -0.8 4.1 HFRI FOF COMPOSITE INDEX 1.2 4.7 3.6 1.4 -1.8 **Private Equity** TOTAL PRIVATE EQUITY (N) 193.5 5.8% 2.0 10.8 9.2 2.5 11.0 RUSS 3000 + 250 BP 0.9 19.3 14.0 4.6 10.3 Commodities TOTAL COMMODITIES (N) 100.0 3.0% -6.3 -0.9 DJ UBS COMMODITY TR INDEX -6.3 -1.1 **Alternative Investment** TOTAL ALT. INV (N) 398.4 11.8% -0.6 5.5 5.5 -0.7 9.0 S & P 500 + 447 BP 0.7 21.2 15.8 6.3 11.8

#### Asset Allocation by Asset Class - (000's)

Period Ending: December 31, 2012



# Market Value: \$3,362,584 Asset Allocation vs Policy



Wurts & Associates 2 Performance Measurement System

2.2 27

1.6

1.2 22

0.4

**Investment Manager Performance Data - Gross** 

				eriods	Ending	nce Foi g 12/31	/2012				endar Returi		
		(Retu	rns for pe	eriods gr	eater th	an one ye	ear are ann	ualized)					
	Market Value (000's) / (%)	Quarter	One Yr	Three Yrs	Five Yrs	Ten Yrs	Since Inception	Inception Date	2011	2010	2009	2008	2007
Total Manager													
TOTAL FUND (G) Investment Style:Total	\$3,362,584	2.3%	13.3%	9.7%	3.7%	8.7%			0.1%			-25.7%	
Benchmark: POLICY INDEX		1.5%	12.3%	8.4%	2.4%	7.4%			0.1%	13.3%	19.2%	-25.8%	7.4%
Ranking -Total Funds - Public Funds Univ.		34th	43rd	23rd	27th	18th			76th	3rd	24th	62nd	31st
Domestic Equity Manager													
SSGA S&P 500 FLAG. (G)	\$158,372 (4.7%)	-0.4%	16.0%	10.9%	1.7%		5.0%	3/23/2004	2.1%	15.1%	26.6%	-36.9%	5.5%
Investment Style:Large Cap													
Benchmark: S & P 500 INDEX		-0.4%	16.0%	10.9%	1.7%		4.9%		2.1%	15.1%		-37.0%	5.5%
Ranking -Equity Style - Large Core Univ.		59th	42nd	34th	59th				28th	51st	53rd	50th	50th
WADDELL & REED (G)	\$159,084 (4.7%)	-0.3%	12.5%				7.8%	12/17/2010	3.0%				
Investment Style:Large Cap Growth													
Benchmark: RUSSELL 1000 GROWTH INDEX		-1.3%	15.3%				8.9%		2.6%				
Ranking -Equity Style - Large Growth Univ.		39th	80th						24th				
WINSLOW CAPITAL MGMT (G)	\$154,703 (4.6%)	-1.4%	14.1%				7.4%	12/17/2010	0.6%				
Investment Style:Large Cap Growth													
Benchmark: RUSSELL 1000 GROWTH INDEX		-1.3%	15.3%				8.9%		2.6%				
Ranking -Equity Style - Large Growth Univ.		66th	68th						46th				
AJO (G)	\$157,952 (4.7%)	1.2%	17.4%	11.9%	1.9%	8.8%	10.1%	12/4/1995	2.7%	16.1%	17.5%	-33.1%	-1.4%
Investment Style:Large Cap Value													
Benchmark: RUSSELL 1000 VALUE INDEX		1.5%	17.5%	10.9%	0.6%	7.4%	7.8%		0.4%	15.5%	19.7%	-36.9%	-0.2%
Ranking -Equity Style - Large Value Univ.		51st	33rd	22nd	44th	31st			24th	37th	91st	11th	71st
WELLINGTON LG VAL (G)	\$160,659 (4.8%)	3.0%	20.6%	11.7%	1.4%	8.0%	5.5%	4/30/2000	-1.2%	16.9%	28.7%	-40.2%	2.5%
Investment Style:Large Cap Value													
Benchmark: RUSSELL 1000 VALUE INDEX		1.5%	17.5%	10.9%	0.6%	7.4%	4.5%		0.4%	15.5%	19.7%	-36.9%	-0.2%
Ranking -Equity Style - Large Value Univ.		19th	12th	24th	53rd	54th			63rd	24th	33rd	68th	34th

### **Investment Manager Performance Data - Gross**

			Pe	_		nce Foi g 12/31					endar Returi		
		(Retu	rns for pe	eriods gr	eater tha	an one ye	ear are ann	ualized)		•			
	Market Value (000's) / (%)	Quarter	One Yr	Three Yrs	Five Yrs	Ten Yrs	Since Inception	Inception Date	2011	2010	2009	2008	2007
SYSTEMATIC SMID VAL (G)	\$76,317 (2.3%)	3.7%	18.1%				11.0%	10/8/2010	-4.4%				
Investment Style:Small/Mid Cap Value													
Benchmark: RUSSELL 2500 VALUE INDEX		4.1%	19.2%				11.7%		-3.4%				
Ranking -Equity Style - Small/Mid Value Univ.		57th	36th						43rd				
KALMAR INVESTMENTS (G)	\$76,814 (2.3%)	3.1%	14.8%	17.1%	6.7%		8.0%	11/30/2004	1.7%	37.3%	36.7%	-37.1%	13.0%
Investment Style:Small Cap Growth													
Benchmark: RUSSELL 2000 GROWTH INDEX		0.4%	14.6%	12.8%	3.5%		5.7%		-2.9%	29.1%	34.5%	-38.5%	
Ranking -Equity Style - Small Growth Univ.		10th	48th	17th	19th				39th	8th	48th	33rd	30th
International Equity Manager													
OECHSLE INTL (G)	\$250,584 (7.5%)	6.6%	15.9%	3.8%	-3.3%		2.3%	11/22/2005	-10.3%	7.5%	21.4%	-37.5%	7.1%
Investment Style:International Equity													
Benchmark: MSCI EAFE INDEX		6.6%	17.9%	4.0%	-3.2%		3.3%		-11.7%	8.2%	32.5%	-43.1%	11.6%
Ranking -Int'l Developed Market Equity Univ.		44th	81st	78th	75th				31st	75th	95th	24th	85th
RAFI INTL EQUITY (G) Investment Style:International Equity	\$258,515 (7.7%)	7.7%	18.7%				-3.1%	4/29/2011					
Benchmark: MSCI EAFE INDEX		6.6%	17.9%				-3.6%						
Ranking -Int'l Developed Market Equity Univ.		21st	60th										
MONDRIAN INTL SMALL (G)	\$142,513 (4.2%)	6.4%	25.5%	14.5%			15.8%	11/2/2009	-8.1%	30.3%			
Investment Style:Small Cap													
Benchmark: S&P DEVELOPED ex. US SC INDEX		5.2%	18.6%	7.3%			7.9%		-14.5%	22.0%			
Ranking -Int'l Developed Market Equity Univ.		47th	11th	2nd					20th	2nd			
MONDRIAN EMG MARKETS (G)	\$169,537 (5.0%)	7.7%	23.1%	9.0%	4.0%		11.2%	11/17/2005	-11.2%	18.4%	71.3%	-45.0%	30.4%
Investment Style:Emerging Markets Equity													
Benchmark: MSCI EMER MKTS INDEX		5.6%	18.6%	5.0%	-0.6%		9.6%		-18.2%	19.2%	79.0%	-53.2%	39.8%
Ranking -Int'l Emerging Markets Equity Univ.		21st	25th	24th	18th				17th	59th	75th	22nd	75th

**Investment Manager Performance Data - Gross** 

BLACKROCK FIXED INC (G)   \$349,448 (10.4%)   0.3%   5.3%   7.2%   6.3%   5.8%   6/25/2004   8.0%   8.2%   12.6%   -2.1			(Data)		eriods	Ending	nce For g 12/31	/2012				endaı Retur	r Year ns	
BLACKROCK FIXED INC (G)   \$349,448 (10.4%)   0.3%   5.3%   7.2%   6.3%   5.8%   6/25/2004   8.0%   8.2%   12.6%   -2.1			,	·	Three	Five	Ten	Since	Inception	2011	2010	2000	2008	2007
BLACKROCK FIXED INC (G)   \$349,448 (10.4%)   0.3%   5.3%   7.2%   6.3%   5.8%   6/25/2004   8.0%   8.2%   12.6%   2.21   Investment Style-Domestic Fixed Income Benchmark: BC AGGREGATE INDEX   0.2%   4.2%   6.2%   5.9%   5.6%   7.6%   6.5%   5.9%   5.2%   2.2%   7.6%   6.5%   5.9%   5.2%   2.2%   7.6%   6.5%   5.9%   5.0%   5.2%   2.2%   7.6%   6.5%   5.9%   6.5%   7.7%   7.5%   6.5%   6.5%   7.7%   7.5%   6.5%   6.5%   7.7%   7.5%   6.5%   7.7%   7.5%   6.5%   7.7%   7.5%   6.5%   7.7%   7.5%   6.5%   7.7%   7.5%   6.5%   7.7%   7.5%   6.5%   7.7%   7.5%   6.5%   7.7%   7.5%		7 (70)	Quarter	Olle 11	IIO	113	113	шсерион	Date	2011	2010	2009	2000	2001
Investment Style Domestic Fixed Income   Benchmark: BC AGGREGATE INDEX   S.2%   S.2%		8 (10.4%)	0.3%	5.3%	7.2%	6.3%		5.8%	6/25/2004	8.0%	8.2%	12.6%	-2.1%	6.5%
Ranking - Bond Funds Univ.   68th   57th   48th   52nd	• •	•												
LOOMIS SAYLES FI (G)   \$176,351 (5.2%)   1.8%   12.0%   10.3%   10.4%   7.9%   0.2%   7/5/2001   8.0%   10.9%   18.8%   2.8	REGATE INDEX		0.2%	4.2%	6.2%	5.9%		5.6%		7.8%	6.5%	5.9%	5.2%	7.0%
Investment StyleDomestic Fixed Income   Benchmark:BC AGGREGATE INDEX   20th   19th   22nd   10th	s Univ.		68th	57th	48th	52nd				25th	48th	48th	59th	53rd
Benchmark: BC AGGREGATE INDEX   20th   19th   22nd   10th   19th   19th   22nd   10th   19th   19th   22nd   10th   10t	G) \$176,3!	1 (5.2%)	1.8%	12.0%	10.3%	10.4%	7.9%	0.2%	7/5/2001	8.0%	10.9%	18.8%	2.8%	7.2%
Ranking -Bond Funds Univ.   20th   19th   22nd   10th   19th   19th   22nd   10th   19th   19th   22nd   25th														
MET WEST ENH TALF (G)								2.2%					5.2%	7.0%
Investment Style:Domestic Fixed Income   Benchmark:BC AGGREGATE INDEX   0.2%   4.2%   6.2%   6.3%   7.8%   6.5%   85th   4th   4th   85th   4th   4th   4th   4th   4th   4th   4th   8th   4th   4t	s Univ.		20th	19th	22nd	10th	19th			25th	29th	25th	39th	42nd
Benchmark:BC AGGREGATE INDEX   0.2%   4.2%   6.2%   6.3%   85th   4th		1 (0.2%)	0.5%	-1.2%	5.8%			7.7%	8/5/2009	1.3%	18.3%			
Ranking - Bond Funds Univ.   55th   98th   64th   85th   4th			2 22/	. 00/	2 20/			2.20/		- 22/	2 52/			
MESTERN CORE FIXED (G)								6.3%						
Investment Style:Domestic Fixed Income   Benchmark:BC AGGREGATE INDEX   0.2%   4.2%   6.2%   5.9%   5.5%   7.8%   6.5%   5.9%   5.2%			55th	98th	64th					85th	4th			
Benchmark: BC AGGREGATE INDEX   0.2%   4.2%   6.2%   5.9%   5.5%   5.5%   7.8%   6.5%   5.9%   5.2%		6 (4.6%)	0.1%	8.4%	9.1%	7.5%		6.4%	5/5/2005	7.7%	11.3%	19.8%	-7.5%	3.4%
Ranking - Bond Style - Core Univ.			0.00/	4.00/	0.00/	5.00/		<b>5.5</b> 0/		7.00/	0.50/	<b>5.0</b> 0/	<b>5.00</b> /	7.00/
LOOMIS SAYLES OPP (G)         \$142,764 (4.2%)         3.5%         20.0%         11.9%         14.2%         5/12/2009         2.4%         14.1%           Investment Style:High Yield         1.0%         7.3%         9.3%         9.4%         11.0%         9.7%           Ranking -Bond Funds Univ.         5th         2nd         15th         8.0%         11.1%         5/12/2009         -0.5%         12.8%           Investment Style:High Yield         8enchmark: BC AGGREGATE + 300 BP         1.0%         7.3%         9.3%         9.4%         11.0%         9.7%           Ranking -Bond Funds Univ.         9th         18th         40th         93rd         20th           SSGA TIPS (G)         \$32,320 (1.0%)         0.7%         6.9%         8.9%         10.0%         2/27/2009         13.5%         6.3%           Investment Style:Real Return         8enchmark:BC US TIPS INDEX         0.7%         7.0%         8.9%         10.0%         13.6%         6.3%								5.5%					5.2%	7.0%
Investment Style:High Yield   Benchmark:BC AGGREGATE + 300 BP   1.0%   7.3%   9.3%   9.4%   11.0%   9.7%   Ranking -Bond Funds Univ.   5th   2nd   15th   80th   15th   15th   STANDISH MELLON OPP. (G)   \$102,622 (3.1%)   2.9%   12.3%   8.0%   11.1%   5/12/2009   -0.5%   12.8%   Investment Style:High Yield   Benchmark:BC AGGREGATE + 300 BP   1.0%   7.3%   9.3%   9.4%   11.0%   9.7%   Ranking -Bond Funds Univ.   9th   18th   40th   93rd   20th   20th   SSGA TIPS (G)   \$32,320 (1.0%)   0.7%   6.9%   8.9%   10.0%   2/27/2009   13.5%   6.3%   Investment Style:Real Return   Benchmark:BC US TIPS INDEX   0.7%   7.0%   8.9%   10.0%   13.6%   6.3%   10.0%   13.6%			88th	13th	5th	20th					10th	10th	84th	97th
Benchmark: BC AGGREGATE + 300 BP         1.0%         7.3%         9.3%         9.4%         11.0%         9.7%           Ranking -Bond Funds Univ.         5th         2nd         15th         15th         80th         15th           STANDISH MELLON OPP. (G)         \$102,622 (3.1%)         2.9%         12.3%         8.0%         11.1%         5/12/2009         -0.5%         12.8%           Investment Style:High Yield           Benchmark: BC AGGREGATE + 300 BP         1.0%         7.3%         9.3%         9.4%         11.0%         9.7%           Ranking -Bond Funds Univ.         9th         18th         40th         93rd         20th           SSGA TIPS (G)         \$32,320 (1.0%)         0.7%         6.9%         8.9%         10.0%         2/27/2009         13.5%         6.3%           Investment Style:Real Return         0.7%         7.0%         8.9%         10.0%         13.6%         6.3%		4 (4.2%)	3.5%	20.0%	11.9%			14.2%	5/12/2009	2.4%	14.1%			
Ranking -Bond Funds Univ.         5th         2nd         15th         2nd         15th           STANDISH MELLON OPP. (G)         \$102,622 (3.1%)         2.9%         12.3%         8.0%         11.1%         5/12/2009         -0.5%         12.8%           Investment Style:High Yield         1.0%         7.3%         9.3%         9.4%         11.0%         9.7%           Ranking -Bond Funds Univ.         9th         18th         40th         93rd         20th           SSGA TIPS (G)         \$32,320 (1.0%)         0.7%         6.9%         8.9%         10.0%         2/27/2009         13.5%         6.3%           Investment Style:Real Return         0.7%         7.0%         8.9%         10.0%         13.6%         6.3%			4.00/	7.00/	0.00/			0.40/		44 00/	0.70/			
STANDISH MELLON OPP. (G)         \$102,622 (3.1%)         2.9%         12.3%         8.0%         11.1%         5/12/2009         -0.5%         12.8%           Investment Style:High Yield         1.0%         7.3%         9.3%         9.4%         11.0%         9.7%           Ranking -Bond Funds Univ.         9th         18th         40th         93rd         20th           SSGA TIPS (G)         \$32,320 (1.0%)         0.7%         6.9%         8.9%         10.0%         2/27/2009         13.5%         6.3%           Investment Style:Real Return         0.7%         7.0%         8.9%         10.0%         13.6%         6.3%								9.4%						
Investment Style:High Yield														
Benchmark: BC AGGREGATE + 300 BP         1.0%         7.3%         9.3%         9.4%         11.0%         9.7%           Ranking - Bond Funds Univ.         9th         18th         40th         93rd         20th           SSGA TIPS (G)         \$32,320 (1.0%)         0.7%         6.9%         8.9%         10.0%         2/27/2009         13.5%         6.3%           Investment Style:Real Return         0.7%         7.0%         8.9%         10.0%         13.6%         6.3%	• •	2 (3.1%)	2.9%	12.3%	8.0%			11.1%	5/12/2009	-0.5%	12.8%			
Ranking -Bond Funds Univ.         9th         18th         40th         93rd         20th           SSGA TIPS (G)         \$32,320 (1.0%)         0.7%         6.9%         8.9%         10.0%         2/27/2009         13.5%         6.3%           Investment Style:Real Return         0.7%         7.0%         8.9%         10.0%         13.6%         6.3%			1 00/	7 20/	0.20/			0.40/		44 00/	0.70/			
SSGA TIPS (G)       \$32,320 (1.0%)       0.7%       6.9%       8.9%       10.0%       2/27/2009       13.5%       6.3%         Investment Style:Real Return       Benchmark: BC US TIPS INDEX       0.7%       7.0%       8.9%       10.0%       13.6%       6.3%								9.4%						
Investment Style:Real Return         0.7%         7.0%         8.9%         10.0%         13.6%         6.3%														
<u>Benchmark:</u> BC US TIPS INDEX 0.7% 7.0% 8.9% 10.0% 13.6% 6.3%		0 (1.0%)	0.7%	6.9%	8.9%			10.0%	2/27/2009	13.5%	6.3%			
			0.7%	7.0%	Q Q0/ <sub>2</sub>			10.0%		12 6%	6 3%			
								10.0 /0						
Wurts & Associates 5 Performance Measurement S	- U.S. TIPS (IIII) UIIIV.		3611	Z4U1	1901									

**Investment Manager Performance Data - Gross** 

			Da	_		nce Foi g 12/31					endar		
		(Retu					ar are ann	ualized)			Returi	าร	
	Market Value (000's) / (%)	Quarter	One Yr	Three Yrs	Five Yrs	Ten Yrs	Since Inception	Inception	2011	2010	2009	2008	2007
Real Estate Manager													
INVESCO CORE RE (G)	\$104,868 (3.1%)	2.1%	8.7%	14.0%	-0.8%		-0.5%	10/1/2007	16.9%	16.7%	-32.2%	-4.6%	
Investment Style:Real Estate													
Benchmark: NFI-ODCE INDEX		2.4%	10.9%	14.4%	-1.1%		-0.6%		16.0%	16.4%	-29.8%	-10.0%	
Ranking -Real Estate Funds Univ.		65th	70th	17th	51st				30th	25th	61st	43rd	
Alternative Investment Manager		<b>'</b>											
COMMON SENSE (G)	\$47,918 (1.4%)	-1.4%	-3.0%	-0.1%			-0.1%	12/3/2009	6.7%	-3.7%			
Investment Style:Hedge Funds													
Benchmark: HFRI FOF COMPOSITE INDEX		1.2%	4.7%	1.4%			1.4%		-5.7%	5.7%			
Ranking -Hedge Fund of Funds Univ.		88th	97th	56th					2nd	96th			
GROSVENOR (G)	\$56,950 (1.7%)	2.7%	9.7%	4.8%			5.2%	10/31/2009	-2.6%	7.6%			
Investment Style:Hedge Funds													
Benchmark: HFRI FOF COMPOSITE INDEX		1.2%	4.7%	1.4%			1.8%		-5.7%	5.7%			
Ranking -Hedge Fund of Funds Univ.		37th	29th	18th					18th	24th			
BLACKROCK COMM (G)	\$99,977 (3.0%)	-6.2%	-0.6%				2.2%	3/31/2010	-13.2%				
Investment Style:Commodities													
Benchmark: DJ UBS COMMODITY TR INDEX		-6.3%	-1.1%				2.0%		-13.3%				
Ranking -NA Univ.													

### **Investment Manager Performance Data - Net**

			Pe	_		nce Foi g 12/31					endar Retur	Year	
		(Retu	rns for pe	eriods gr	eater tha	an one ye	ear are ann	ualized)					
	Market Value (000's) / (%)	Quarter	One Yr	Three Yrs	Five Yrs	Ten Yrs	Since Inception	Inception Date	2011	2010	2009	2008	2007
Total Manager													
TOTAL FUND (N)	\$3,362,584	2.2%	12.9%	9.3%	3.4%	8.4%			-0.2%	15.9%	22.0%	-25.8%	8.8%
Investment Style:Total <u>Benchmark:</u> POLICY INDEX		1.5%	12.3%	8.4%	2.4%	7.4%			0.1%	13.3%	19.2%	-25.8%	7.4%
Ranking -Total Funds - Public Funds Univ.		39th	53rd	38th	2.4 /0 36th	7.4 / <sub>0</sub> 22nd			79th	5th	25th	-23.6 % 64th	38th
Domestic Equity Manager		3301	3314	30111	30111	ZZIIG			7 501	- Jui	25011	04411	30011
SSGA S&P 500 FLAG. (N)	\$158,372 (4.7%)	-0.4%	16.0%	10.8%	1.6%		5.0%	3/23/2004	2.1%	15.0%	26 5%	-37.0%	5 5%
Investment Style:Large Cap	\$130,372 (4.770)	-0.476	10.076	10.076	1.0 /6		J.0 /6	3/23/2004	2.170	13.0 /6	20.5 /6	-57.076	3.3 /6
Benchmark: S & P 500 INDEX		-0.4%	16.0%	10.9%	1.7%		4.9%		2.1%	15.1%	26.4%	-37.0%	5.5%
Ranking -Equity Style - Large Core Univ.		60th	43rd	36th	61st				32nd	53rd	55th	53rd	51st
WADDELL & REED (N)	\$159,084 (4.7%)	-0.5%	12.0%				7.8%	12/17/2010	2.8%				
Investment Style:Large Cap Growth													
Benchmark: RUSSELL 1000 GROWTH INDEX		-1.3%	15.3%				8.9%		2.6%				
Ranking -Equity Style - Large Growth Univ.		42nd	83rd						25th				
WINSLOW CAPITAL MGMT (N)	\$154,703 (4.6%)	-1.4%	13.9%				7.4%	12/17/2010	0.5%				
Investment Style:Large Cap Growth													
Benchmark: RUSSELL 1000 GROWTH INDEX		-1.3%	15.3%				8.9%		2.6%				
Ranking -Equity Style - Large Growth Univ.		68th	70th						47th				
AJO (N)	\$157,952 (4.7%)	1.1%	17.1%	11.5%	1.6%	8.4%	10.1%	12/4/1995	2.4%	15.8%	17.2%	-33.4%	-1.6%
Investment Style:Large Cap Value													
Benchmark: RUSSELL 1000 VALUE INDEX		1.5%	17.5%	10.9%	0.6%	7.4%	7.8%		0.4%	15.5%	19.7%	-36.9%	-0.2%
Ranking -Equity Style - Large Value Univ.		53rd	36th	26th	49th	41st			25th	43rd	93rd	13th	74th
WELLINGTON LG VAL (N)	\$160,659 (4.8%)	2.9%	20.3%	11.3%	1.1%	7.6%	5.5%	4/30/2000	-1.6%	16.5%	28.5%	-40.4%	2.1%
Investment Style:Large Cap Value													
Benchmark: RUSSELL 1000 VALUE INDEX		1.5%	17.5%	10.9%	0.6%	7.4%	4.5%		0.4%	15.5%	19.7%	-36.9%	-0.2%
Ranking -Equity Style - Large Value Univ.		20th	14th	31st	60th	63rd			67th	30th	33rd	70th	37th

### **Investment Manager Performance Data - Net**

			Pe	_		nce For g 12/31					endar Retur		
		(Retu	rns for pe	eriods gr	eater th	an one ye	ear are ann	ualized)			· totai		
	Market Value (000's) / (%)	Quarter	One Yr	Three Yrs	Five Yrs	Ten Yrs	Since Inception	Inception Date	2011	2010	2009	2008	2007
SYSTEMATIC SMID VAL (N)	\$76,317 (2.3%)	3.6%	17.7%				11.0%	10/8/2010	-4.7%				
Investment Style:Small/Mid Cap Value													
Benchmark: RUSSELL 2500 VALUE INDEX		4.1%	19.2%				11.7%		-3.4%				
Ranking -Equity Style - Small/Mid Value Univ.		59th	39th						46th				
KALMAR INVESTMENTS (N)	\$76,814 (2.3%)	2.9%	13.9%	16.1%	5.8%		8.0%	11/30/2004	0.9%	36.3%	35.6%	-37.4%	11.9%
Investment Style:Small Cap Growth													
Benchmark: RUSSELL 2000 GROWTH INDEX		0.4%	14.6%	12.8%	3.5%		5.7%		-2.9%	29.1%	34.5%	-38.5%	7.0%
Ranking -Equity Style - Small Growth Univ.		12th	55th	23rd	25th				44th	11th	52nd	36th	35th
International Equity Manager													
OECHSLE INTL (N)	\$250,584 (7.5%)	6.4%	15.2%	3.2%	-3.8%		2.3%	11/22/2005	-10.8%	6.9%	20.7%	-37.9%	6.5%
Investment Style:International Equity													
Benchmark: MSCI EAFE INDEX		6.6%	17.9%	4.0%	-3.2%		3.3%		-11.7%	8.2%	32.5%	-43.1%	11.6%
Ranking -Int'l Developed Market Equity Univ.		47th	84th	83rd	80th				36th	78th	95th	24th	87th
RAFI INTL EQUITY (N) Investment Style:International Equity	\$258,515 (7.7%)	7.6%	18.5%				-3.1%	4/29/2011					
Benchmark:MSCI EAFE INDEX		6.6%	17.9%				-3.6%						
Ranking -Int'l Developed Market Equity Univ.		23rd	62nd										
MONDRIAN INTL SMALL (N)	\$142,513 (4.2%)	6.3%	24.7%	13.8%			15.8%	11/2/2009	-8.7%	29.4%			
Investment Style:Small Cap													
Benchmark: S&P DEVELOPED ex. US SC INDEX		5.2%	18.6%	7.3%			7.9%		-14.5%	22.0%			
Ranking -Int'l Developed Market Equity Univ.		51st	15th	2nd					22nd	2nd			
MONDRIAN EMG MARKETS (N) Investment Style:Emerging Markets Equity	\$169,537 (5.0%)	7.5%	22.3%	8.2%	3.3%		11.2%	11/17/2005	-12.0%	17.6%	71.0%	-45.6%	29.1%
Benchmark: MSCI EMER MKTS INDEX		5.6%	18.6%	5.0%	-0.6%		9.6%		-18.2%	19.2%	79.0%	-53.2%	39.8%
Ranking -Int'l Emerging Markets Equity Univ.		24th	32nd	30th	21st				19th	68th	75th	24th	76th

**Investment Manager Performance Data - Net** 

		(Dotu		eriods	Ending	nce Fo g 12/31	/2012	ualizad)			endar Returi		
	Market Value	(Retu	rns for pe	erioas gi <b>Three</b>	reater the	an one y <b>Ten</b>	ear are ann Since	Inception					
	(000's) / (%)	Quarter	One Yr	Yrs	Yrs	Yrs	Inception	Date	2011	2010	2009	2008	2007
Domestic Fixed Income Manager									1				
BLACKROCK FIXED INC (N) Investment Style:Domestic Fixed Income	\$349,448 (10.4%)	0.3%	5.1%	6.9%	6.0%		5.8%	6/25/2004	7.8%	8.0%	12.3%	-2.6%	6.3%
Benchmark: BC AGGREGATE INDEX		0.2%	4.2%	6.2%	5.9%		5.6%		7.8%	6.5%	5.9%	5.2%	7.0%
Ranking -Bond Funds Univ.		72nd	60th	50th	57th				28th	51st	49th	60th	56th
LOOMIS SAYLES FI (N) Investment Style:Domestic Fixed Income	\$176,351 (5.2%)	1.7%	11.7%	10.1%	10.2%	7.7%	0.2%	7/5/2001	7.8%	10.7%	18.6%	2.5%	6.9%
Benchmark: BC AGGREGATE INDEX		0.2%	4.2%	6.2%	5.9%	5.2%	2.2%		7.8%	6.5%	5.9%	5.2%	7.0%
Ranking -Bond Funds Univ.		20th	20th	23rd	11th	20th			27th	30th	25th	41st	47th
MET WEST ENH TALF (N) Investment Style:Domestic Fixed Income	\$5,341 (0.2%)	0.3%	-2.1%	4.7%			7.7%	8/5/2009	0.6%	16.6%			
Benchmark: BC AGGREGATE INDEX		0.2%	4.2%	6.2%			6.3%		7.8%	6.5%			
Ranking -Bond Funds Univ.		70th	99th	76th					88th	6th			
WESTERN CORE FIXED (N) Investment Style:Domestic Fixed Income	\$153,596 (4.6%)	0.1%	8.2%	8.9%	7.4%		6.4%	5/5/2005	7.4%	11.1%	19.6%	-7.7%	3.2%
Benchmark: BC AGGREGATE INDEX		0.2%	4.2%	6.2%	5.9%		5.5%		7.8%	6.5%	5.9%	5.2%	7.0%
Ranking -Bond Style - Core Univ.		89th	15th	8th	24th				52nd	10th	10th	85th	97th
LOOMIS SAYLES OPP (N) Investment Style:High Yield	\$142,764 (4.2%)	3.4%	19.6%	11.6%			14.2%	5/12/2009	2.1%	13.8%			
Benchmark: BC AGGREGATE + 300 BP		1.0%	7.3%	9.3%			9.4%		11.0%	9.7%			
Ranking -Bond Funds Univ.		5th	2nd	17th					81st	16th			
STANDISH MELLON OPP. (N) Investment Style:High Yield	\$102,622 (3.1%)	2.8%	11.8%	7.6%			11.1%	5/12/2009	-0.7%	12.3%			
Benchmark: BC AGGREGATE + 300 BP		1.0%	7.3%	9.3%			9.4%		11.0%	9.7%			
Ranking -Bond Funds Univ.		10th	19th	44th					93rd	22nd			
SSGA TIPS (N) Investment Style:Real Return	\$32,320 (1.0%)	0.7%	6.9%	8.7%			10.0%	2/27/2009	13.2%	6.2%			
Benchmark: BC US TIPS INDEX		0.7%	7.0%	8.9%			10.0%		13.6%	6.3%			
Ranking -Bond Style - U.S. TIPS (mf) Univ.		38th	24th	22nd					13th	34th			
Wurts & Associates			9					Perfoi	rmanc	e Meas	ureme	nt Svs	tem

**Investment Manager Performance Data - Net** 

			D	_	formar Ending					Cal	endar	Year	
		(Retu			•		ear are ann	ualized)			Retur	ns	
	Market Value (000's) / (%)	Quarter	One Yr	Three Yrs	Five Yrs	Ten Yrs	Since Inception	Inception Date	2011	2010	2009	2008	2007
Real Estate Manager													
INVESCO CORE RE (N) Investment Style:Real Estate	\$104,868 (3.1%)	1.9%	7.7%	13.0%	-1.7%		-0.5%	10/1/2007			-32.9%		
Benchmark: NFI-ODCE INDEX		2.4%	10.9%	14.4%	-1.1%		-0.6%		16.0%	16.4%	-29.8%	-10.0%	
Ranking -Real Estate Funds Univ.		74th	77th	23rd	64th				34th	29th	62nd	46th	
Alternative Investment Manager													
COMMON SENSE (N) Investment Style:Hedge Funds	\$47,918 (1.4%)	-1.7%	-4.3%	-1.5%			-0.1%	12/3/2009	5.1%	-5.1%			
Benchmark: HFRI FOF COMPOSITE INDEX		1.2%	4.7%	1.4%			1.4%		-5.7%	5.7%			
Ranking -Hedge Fund of Funds Univ.		90th	98th	71st					2nd	98th			
GROSVENOR (N) Investment Style:Hedge Funds	\$56,950 (1.7%)	2.4%	8.6%	3.6%			5.2%	10/31/2009	-3.7%	6.3%			
Benchmark: HFRI FOF COMPOSITE INDEX		1.2%	4.7%	1.4%			1.8%		-5.7%	5.7%			
Ranking -Hedge Fund of Funds Univ.		41st	35th	21st					22nd	33rd			
BLACKROCK COMM (N) Investment Style:Commodities	\$99,977 (3.0%)	-6.3%	-0.9%				2.2%	3/31/2010	-13.2%				
Benchmark: DJ UBS COMMODITY TR INDEX Ranking -NA Univ.		-6.3%	-1.1%				2.0%		-13.3%				

### **Manager Scorecard Five Years**

Period Ending: December 31, 2012

Manager	Return	Index Return	Standard Deviation	Alpha	Beta	Rsqr	Up Market Capture	Down Market Capture	Batting Average	Information Ratio
Domestic Equity										
WADDELL & REED COMP (N)	1.3%	3.1%	20.5	-1.78	0.92	0.99	82%	98%	350	-0.63
WINSLOW COMP (N)	2.8%	3.1%	24.0	-0.18	1.06	0.97	112%	106%	400	-0.06
AJO (N)	1.6%	0.6%	21.5	0.86	0.92	0.98	95%	94%	550	0.26
WELLINGTON LG VAL (N)	1.1%	0.6%	25.3	0.81	1.07	0.95	114%	104%	550	0.09
SYSTEMATIC COMP (N)	5.2%	4.6%	25.7	1.07	0.94	0.91	102%	99%	600	0.08
KALMAR INVESTMENTS (N)	5.9%	3.5%	25.2	2.27	0.92	0.98	97%	92%	550	0.59
International Equity										,
MONDRIAN INTL SC COM (N)	5.4%	-1.3%	26.8	6.12	0.89	0.96	108%	86%	750	1.07
OECHSLE COMP (N)	-3.8%	-3.2%	23.1	-1.42	0.87	0.99	80%	95%	350	-0.15
RAFI INTL EQ. COMP (N)	-2.4%	-3.2%	27.2	0.97	1.02	0.97	101%	98%	550	0.18
MONDRIAN EMG MARKETS (N)	3.3%	-0.6%	28.5	3.34	0.90	0.99	92%	88%	550	0.89
Domestic Fixed Income										
BLACKROCK FIXED INC (N)	6.0%	6.0%	4.0	0.67	0.89	0.52	110%	185%	700	0.01
LOOMIS SAYLES FI (N)	10.2%	6.0%	5.5	3.63	1.09	0.42	188%	164%	750	0.99
WESTERN CORE FIXED (N)	7.4%	6.0%	5.8	3.00	0.71	0.16	131%	150%	650	0.25
LOOMIS SAYLES OPP CO (N)	9.0%	9.1%	12.1	7.04	0.22	0.00	93%	-146%	600	-0.01
Real Estate										
INVESCO COMP (N)	-1.7%	2.1%	11.9	-4.23	1.41	0.84	105%	160%	350	-0.67
Alternative Investment										
COMMON SENSE (HIST) (N)	-3.0%	-1.8%	6.8	-3.10	0.05	0.00	-33%	10%	450	-0.11
GROSVENOR (HIST) (N)	0.5%	-1.8%	8.8	2.28	0.99	0.94	119%	84%	700	1.05

Wurts & Associates Performance Measurement System

#### Performance Standard Checklist

Period Ending: December 31, 2012

No Issues Watch Terminate									
Investment Manager	Asset Class	Watch Date	Funding Date	Standard #1	Standard #2	Standard #3	Standard #4	Standard #5	Standard #6
WADDELL & REED	Large Growth		12/17/2010				1	1	1
WINSLOW	Large Growth		12/17/2010			1	1	1	1
ARONSON JOHNSON	Large Value		12/4/1995	1		1	1		1
WELLINGTON	Large Value		4/30/2000	1	1	1	1		1
KALMAR	Small Growth		11/30/2004	1	1	1	1	1	1
SYSTEMATIC	Sm/Mid Value		10/8/2010	1		1	1	1	1
MONDRIAN EMERGING	Emerging Markets		11/7/2005	1	1	1	1	1	1
RESEARCH AFFILIATES	International Equity		4/29/2011	1		1	1	1	1
OECHSLE	International Equity	12/31/2011	11/22/2005		1	1			1
MONDRIAN INTL SM CAP	Intl Small Cap		11/2/2009	1	1	1	1	1	1

#### Performance Standards

Standard #1: The manager has outperformed the assigned benchmark a minimum of 50% of the time over the last 20 quarters.

Standard #2: The equity manager and fixed income manager have returned 110% and 105% respectively of the assigned benchmark returns over the most recent three-year period.

Standard #3: The manager's performance is in the 50th percentile or better against the appropriate style universe in at least three of the last five years of consecutive annual returns.

Standard #4: The manager has a Sharpe Ratio equal to or greater than the median manager in an appropriate style universe over the most recent five year period (five year gross return minus five year 91day T-Bill return/standard deviation).

Standard #5: The manager has an Information Ratio equal to or greater than the median manager in an appropriate style universe over the most recent five year period (gross excess return over benchmark/tracking error).

Standard #6: The manager experiences non-performance related issues including personnel turnover, changes in investment philosophy, excessive asset growth, change in ownership, and any other reason causing concern.

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#### Performance Standard Checklist

Period Ending: December 31, 2012

	No Issues Watch Terminate									
	Investment Manager	Asset Class	Watch Date	Funding Date	Standard #1	Standard #2	Standard #3	Standard #4	Standard #5	Standard #6
E	BLACKROCK	Domestic Fixed	]	6/25/2004	1	1	1	1		1
ı	OOMIS SAYLES	Domestic Fixed		7/5/2001	1	1	1	1	1	1
١	WESTERN ASSET	Domestic Fixed	]	5/5/2005	1	1	1			1
ı	OOMIS OPPORTUNISTIC	Opportunistic	9/30/2012	5/12/2009	1	1	1		1	
S	STANDISH MELLON	Opportunistic	9/30/2010	5/12/2009	N/A		N/A	N/A	N/A	
ı	NVESCO CORE RE	Real Estate	]	10/1/2007	1	<u></u>	1	1	1	1
(	COMMON SENSE	Hedge Fund	]	12/3/2009				1	1	
(	GROSVENOR	Hedge Fund	]	10/31/2009	1	1	1	1	Î	1

#### Performance Standards

Standard #1: The manager has outperformed the assigned benchmark a minimum of 50% of the time over the last 20 quarters.

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Standard #3: The manager's performance is in the 50th percentile or better against the appropriate style universe in at least three of the last five years of consecutive annual returns.

Standard #4: The manager has a Sharpe Ratio equal to or greater than the median manager in an appropriate style universe over the most recent five year period (five year gross return minus five year 91day T-Bill return/standard deviation).

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Standard #6: The manager experiences non-performance related issues including personnel turnover, changes in investment philosophy, excessive asset growth, change in ownership, and any other reason causing concern.

**Private Equity** 

Period Ending: December 31, 2012

			IRR Analysis as of IRR date									
Vintage Year	Manager Name/Fund Name	Estimated Market Value as of 12/31/12 <sup>3</sup>	Total Commitment	Capital Called	% Called	Remaining Commitment	Capital Returned	Market Value as of IRR date	Distrib./ Paid-In (DPI) <sup>1</sup>	Tot. Value/ Paid-In (TVPI) <sup>2</sup>	Net IRR Since Inception <sup>6</sup>	IRR Date
Private Ed	quity											
2012	Oaktree Opportunities IX, L.P.	\$0	\$15,000,000	\$0	0%	\$15,000,000	\$0	\$0	NA	NA	NA <sup>4</sup>	12/31/12
2010	KKR Mezzanine Partners	\$11,479,936	\$30,000,000	\$10,352,497	35%	\$19,647,503	\$1,181,788	\$11,479,936	11.4%	122.3%	NA⁴	12/31/12
2010	Angelo Gordon VII	\$30,386,428	\$30,000,000	\$30,000,000	100%	\$0	\$3,000,000	\$30,386,428	10.0%	111.3%	4.5%	12/31/12
2008	Landmark Equity XIV, L.P.	\$16,566,663	\$30,000,000	\$17,441,674	58%	\$12,558,326	\$4,717,159	\$16,566,663	27.0%	122.0%	20.3%	09/30/12
2007	New Mountain Partners III	\$10,522,925	\$15,000,000	\$10,496,908	70%	\$4,503,092	\$3,128,435	\$10,522,925	29.8%	130.1%	8.0%	09/30/12
2007	Hamilton Lane	\$49,774,575	\$70,000,000	\$59,325,000	85%	\$10,675,000	\$22,750,943	\$49,774,575	38.3%	122.3%	6.8%	12/31/12
2007	WP Private Equity X, L.P.	\$24,601,073	\$25,000,000	\$24,475,000	98%	\$525,000	\$3,944,913	\$24,601,073	16.1%	116.6%	5.5%	12/31/12
2002	Blackstone IV	\$15,243,025	\$20,000,000	\$21,893,386	109%	-\$1,893,386	\$32,359,276	\$15,150,631	147.8%	217.4%	31.6%	12/31/11
2002	Lone Star Fund IV	\$1,167,551	\$20,000,000	\$19,045,199	95%	\$954,801	\$42,116,795	\$1,167,551	221.1%	227.3%	44.2%	09/30/12
2002	TCW Shop IV	\$5,646,122	\$15,000,000	\$24,090,486	161%	-\$9,090,486	\$23,105,261	\$5,646,122	95.9%	119.3%	6.3%	09/30/12
2001	WP Private Equity VIII, L.P.	\$20,473,498	\$25,000,000	\$25,000,000	100%	\$0	\$35,392,776	\$20,473,498	141.6%	223.5%	15.6%	12/31/12
2000	Landmark Equity X, L.P.	\$2,698,260	\$20,000,000	\$19,009,543	95%	\$990,457	\$20,121,009	\$2,698,260	105.8%	120.0%	4.3%	09/30/12
1999	New Mountain Partners, L.P.	\$1,863,821	\$20,000,000	\$19,009,337	95%	\$990,663	\$25,443,481	\$1,863,821	133.8%	143.7%	12.5%	09/30/12
1999	BCI Growth V, L.P.	\$1,058,157	\$20,000,000	\$18,948,000	95%	\$1,052,000	\$8,226,000	\$1,058,157	43.4%	49.0%	-9.7%	12/31/11
1998	TCW Shop III	\$1,194,403	\$15,000,000	\$15,000,000	100%	\$0	\$16,047,887	\$1,194,403	107.0%	114.9%	2.5%	12/31/11
1998	WP Equity Partners, L.P.	\$734,016	\$20,000,000	\$20,000,000	100%	\$0	\$31,928,813	\$734,016	159.6%	163.3%	10.2%	12/31/12
1997	Blackstone III	\$101,115	\$15,000,000	\$15,368,000	102%	-\$368,000	\$31,385,000	\$138,576	204.2%	204.9%	14.5%	12/31/11

Total Alternative Illiquids
% of Portfolio (Market Value)

\$193,511,569 5.8% \$405,000,000 \$349,455,029

86% \$55,54

\$55,544,971 \$304,849,536

\$193,456,635

87.2

142.6%

<sup>1</sup>(DPI) is equal to (capital returned / capital called)

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<sup>&</sup>lt;sup>2</sup>(TVPI) is equal to (market value + capital returned) / capital called

<sup>&</sup>lt;sup>3</sup>Last known market value + capital calls - distributions

<sup>&</sup>lt;sup>4</sup>IRR currently unavailable for these funds.

<sup>&</sup>lt;sup>5</sup>Investment period ended, no further capital to be called.

<sup>&</sup>lt;sup>6</sup>Gross IRR is calculated on the cash flows of the underlying investments of the fund and is net of the underlying fund fees and carried interest.

<sup>&</sup>lt;sup>6</sup>Net IRR is calculated on the cash flows of all the limited partners of the fund and is net of all fees. Each IRR figure is provided by its respective manager

#### Real Estate - Closed End Funds

Period Ending: December 31, 2012

		Total	Contributions	Distributions	Market	One	One	Three	Five	(IRR)
Inception		Commitment			Values	Quarter	Year	Years	Years	Since
Date	Real Estate - Closed End Funds	(000's)	(000's)	(000's)	(000's)	Return(%)	Return(%)	Return(%)	Return(%)	Inception(%)
12/04/09	Colony Capital*	\$40,000	\$42,268	\$20,043	\$40,637	1.7	11.9	NA	NA	21.0
10/30/09	TA Realty IX**	\$30,000	\$28,800	\$3,528	\$31,060	2.4	12.7	NA	NA	34.5
04/15/99	TA Realty V**	\$20,000	\$20,000	\$36,198	\$134	7.0	8.4	-11.5	-9.7	12.3
04/12/89	JMB V	\$10,000	\$10,000	\$17,831	\$8	0.0	0.0	-1.2	-1.4	NA

**Total Real Estate - Closed End** \$100,000 \$101,068 \$77,600 **\$71,839** 

Total Real Estate - Closed End

\$71,839

% of Total Fund (Market Value)

2.1%

<sup>\*</sup> Balance as of 9/30/2012 and IRR as of 12/31/2011.

<sup>\*\*</sup> Balance and IRR as of 9/30/2012.

#### Investment Fund Fee Analysis Long

Average Assets as of Expense Expense Est. Annual Revenue Estimated Sharing **Fund Name Investment Category** Fee Schedule 12/31/2012 Ticker Ratio Ratio Expense Revenue SSGA S&P 500 FLAG. Domestic Equity Large Cap \$158,372,209 0.52% 0.03% 0.03% on 1st \$150MM Commingled \$46,561 n/a n/a 0.018% on next \$500MM WADDELL & REED Domestic Equity Large Cap Growth 0.25% Total Expense Ratio \$159,084,269 Separate 0.57% 0.25% \$397,711 n/a n/a WINSLOW CAPITAL MGMT Domestic Equity Large Cap Growth 0.25% Total Expense Ratio \$154,702,883 Separate 0.57% 0.25% \$386,757 n/a n/a AJO Domestic Equity Large Cap Value 0.30% 0.3% Total Expense Ratio \$157,952,235 Separate 0.53% \$473,857 n/a n/a WELLINGTON LG VAL Domestic Equity Large Cap Value 0.32% on 1st \$250MM \$160.658.520 Separate 0.53% 0.32% \$514,107 n/a n/a 0.3% on next \$500MM Domestic Equity Small/Mid Cap Value 0.82% SYSTEMATIC SMID VAL 0.35% Total Expense Ratio \$76,316,890 Separate 0.35% \$267,109 n/a n/a KALMAR INVESTMENTS Domestic Equity Small Cap Growth 1% on 1st \$10MM \$76.813.926 Separate 0.85% 0.80% \$613.590 n/a n/a 0.875% on next \$10MM 0.75% on next \$500MM **OECHSLE INTL** 0.8% on 1st \$20MM \$250,583,669 0.70% 0.54% \$1,357,913 International Equity Separate n/a n/a 0.65% on next \$30MM 0.5% on next \$500MM RAFI INTL EQUITY 0.15% on 1st \$25MM 0.70% 0.06% \$154,333 International Equity \$258,514,726 n/a Separate n/a 0.05% on next \$475MM MONDRIAN INTL SMALL International Equity Small Cap 0.85% on 1st \$25MM \$142,512,695 Commingled 0.70% 0.67% \$955,120 n/a n/a 0.65% on next \$50MM 0.625% on next \$50MM 0.6% on next \$500MM MONDRIAN EMG MARKETS **Emerging Markets Equity** 1% on 1st \$25MM \$169.536.597 Commingled 0.90% 0.70% \$1.192.181 n/a n/a 0.75% on next \$50MM 0.6% on next \$500MM **BLACKROCK FIXED INC** Domestic Fixed Income 0.25% on 1st \$100MM \$349,448,107 Separate 0.27% 0.20% \$699,246 n/a n/a 0.2% on next \$100MM 0.175% on next \$100MM 0.15% on next \$500MM LOOMIS SAYLES FI Domestic Fixed Income 0.205% Total Expense \$176,350,816 0.27% 0.21% \$361.519 Separate n/a n/a Ratio 0.27% MET WEST ENH TALF Domestic Fixed Income 1% Total Expense Ratio \$5.340.770 Commingled 1.00% \$53.408 n/a n/a WESTERN CORE FIXED Domestic Fixed Income 0.15% Total Expense Ratio \$153.595.833 Separate 0.28% 0.15% \$230.394 n/a n/a LOOMIS SAYLES OPP Domestic Fixed Income High Yield 0.27% 0.35% 0.5% on 1st \$20MM \$142,763,673 \$498,245 Separate n/a n/a 0.4% on next \$30MM 0.3% on next \$500MM STANDISH MELLON OPP. Domestic Fixed Income High Yield 0.4% on 1st \$50MM \$102,621,510 Commingled 0.27% 0.37% \$384,215 n/a n/a 0.35% on next \$150MM 0.25% on next \$500MM SSGA TIPS Domestic Fixed Income Real Return 0.04% Total Expense Ratio \$32,320,448 Commingled 0.76% 0.04% \$12.928 n/a n/a

Nurts & Associates 16	Performance Measurement System
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### Investment Fund Fee Analysis Long

Fund Name	Investment Category	Fee Schedule	Assets as of 12/31/2012	Ticker	Average Expense Ratio	Expense Ratio	Est. Annual Expense	Revenue Sharing	Estimated Revenue
COMMON SENSE	Hedge Funds	1.5% on 1st \$5MM 1.25% on next \$20MM 1% on next \$500MM	\$47,917,944	Commingled	1.50%	1.16%	\$554,171	n/a	n/a
GROSVENOR	Hedge Funds	1.4% on 1st \$10MM 1.2% on next \$15MM 1% on next \$25MM 0.8% on next \$50MM 0.6% on next \$500MM	\$56,950,178	Commingled	1.50%	1.10%	\$625,598	n/a	n/a
BLACKROCK COMM	Commodities	0.3% Total Expense Ratio	\$99,977,488	Commingled	n/a	0.30%	\$299,932	n/a	n/a
Total		\$	2,932,335,384	=		0.34%	\$10,078,895	-	

This fee analysis only reflects base fees for investment management, does not incorporate performance-based fees, and excludes fees paid to real estate and private equity managers. Real estate and private equity fees have other components which cannot be easily captured in this simplified format.

<sup>\*</sup> Managers with incentive fee: Waddell, Winslow, Systematic, Research Affiliates, Western Asset.

<sup>\*\*</sup> If combined Loomis FI and Loomis Opp. assets fall below \$200MM, the annual management fee for Loomis FI will rise to 0.25%.

<sup>\*\*\*</sup> Standish Mellon Opp. has a minimum annual fee of \$100,000.

<sup>\*\*\*\*</sup> Common Sense fee schedule is effective January 1, 2013.

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