

***FRESNO COUNTY EMPLOYEES' RETIREMENT  
ASSOCIATION***

**INVESTMENT PERFORMANCE REVIEW**

PERIOD ENDING: SEPTEMBER 30, 2013

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# **FRESNO COUNTY EMPLOYEES' RETIREMENT ASSOCIATION**

## **PORTFOLIO RECONCILIATION**

Period Ending: September 30, 2013

<b>TOTAL FUND</b>			
Portfolio Reconciliation			
	<u>Quarter</u>		<u>YTD</u>
<b>Market Value of Portfolio on: 06/30/13</b>	<b>\$3,482,960,449</b>	12/31/12	<b>\$3,356,303,710</b>
Net Contributions/Withdrawals	\$4,339,655		-\$7,271,148
Growth from Investments			
Investment Income	\$17,832,944		\$58,266,379
Change in Market Value	<u>\$174,760,895</u>		<u>\$272,595,002</u>
Total Growth from Investments	<u>\$192,593,839</u>		\$330,861,381
<b>Market Value of Portfolio on: 09/30/13</b>			<b><u><u>\$3,679,893,943</u></u></b>

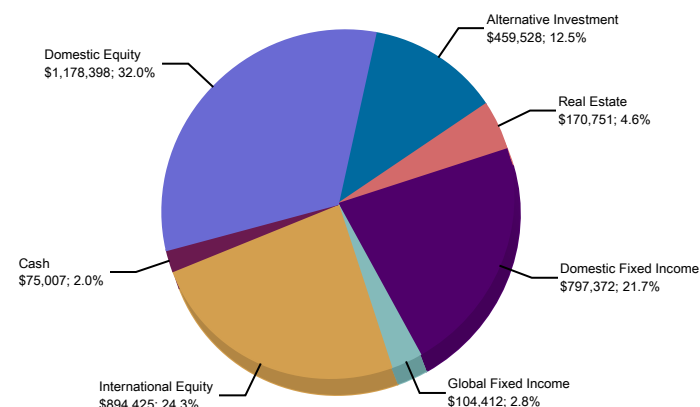
# Fresno County Employees' Retirement Association

## Executive Summary

Period Ending: September 30, 2013

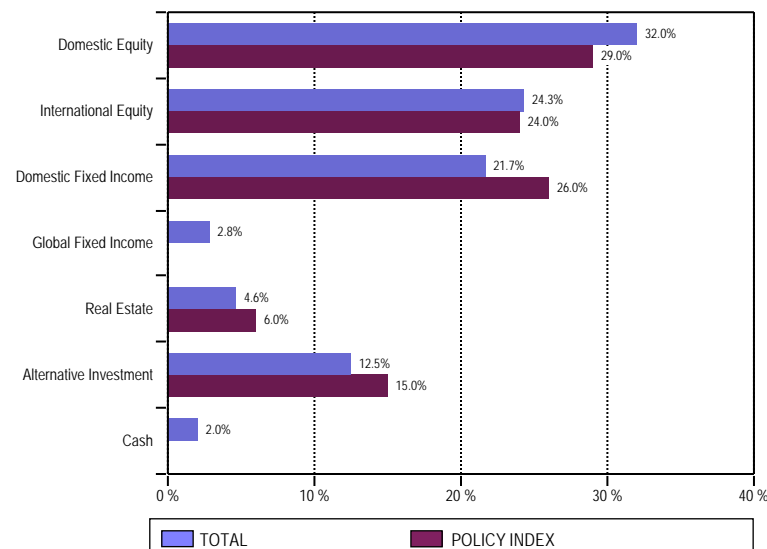
	Market Value		Quarter		One Yr		Three Yrs		Five Yrs		Ten Yrs	
	000,000's	(%)	Rtn	Rnk	Rtn	Rnk	Rtn	Rnk	Rtn	Rnk	Rtn	Rnk
Total												
Total Fund												
TOTAL FUND (G)	3,679.9	100.0%	5.5	23	12.7	44	9.9	57	9.1	22	8.4	17
TOTAL FUND (N)			5.4	25	12.3	50	9.5	65	8.7	31	8.1	23
Policy Index												
POLICY INDEX			5.3	31	11.7	55	9.7	62	7.6	69	7.0	60
Domestic Equity												
Domestic Equity												
TOTAL U.S. EQUITY (G)	1,184.1	32.2%	8.6	44	25.3	50	18.0	39	11.5	51	8.8	65
RUSSELL 3000 INDEX			6.3		21.6		16.8		10.6		8.1	
International Equity												
International Equity												
TOTAL FOREIGN EQUITY (G)	903.6	24.6%	10.3	49	20.3	52	8.2	50	8.5	20	9.4	31
MSCI ACWI ex U.S. GROSS			10.2		17.0		6.4		6.7		9.2	
Domestic Fixed Income												
Domestic Fixed Income												
TOTAL U.S. FIXED (G)	802.9	21.8%	0.9	13	-0.1	37	5.0	17	9.0	16	6.0	16
BC AGGREGATE INDEX			0.6		-1.7		2.9		5.4		4.6	
International Fixed Income												
Emerging Markets Fixed Income												
TOTAL EM BOND (G)	104.4	2.8%										
JPM GBI EM GLOBAL DIV INDEX												
Real Estate												
Real Estate												
TOTAL REALTY (G)	170.8	4.6%	2.0	77	10.5	65	10.3	77	0.1	50	8.4	42
NCREIF PROPERTY INDEX			2.6		11.0		12.7		3.4		8.7	
NFI-ODCE INDEX			3.6		13.0		14.3		0.7		7.1	
Alternative Investment												
Hedge Funds												
TOTAL HEDGE FUNDS (N)	144.0	3.9%	0.0		5.0		2.9		2.3		4.0	
HFRI FOF COMPOSITE INDEX			1.6		6.4		2.4		1.9		3.4	
Private Equity												
TOTAL PRIVATE EQUITY (N)	190.3	5.2%	-0.5		7.7		8.9		6.8		10.9	
RUSS 3000 + 250 BP			7.0		24.6		19.6		13.3		10.8	
Commodities												
TOTAL COMMODITIES (N)	125.2	3.4%	2.2		-14.2		-3.0					
DJ UBS COMMODITY TR INDEX			2.1		-14.3		-3.2					
Alternative Investment												
TOTAL ALT. INV (N)	459.5	12.5%	0.3		0.8		4.1		2.6		8.4	

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



Market Value: \$3,679,894

## Asset Allocation vs Policy



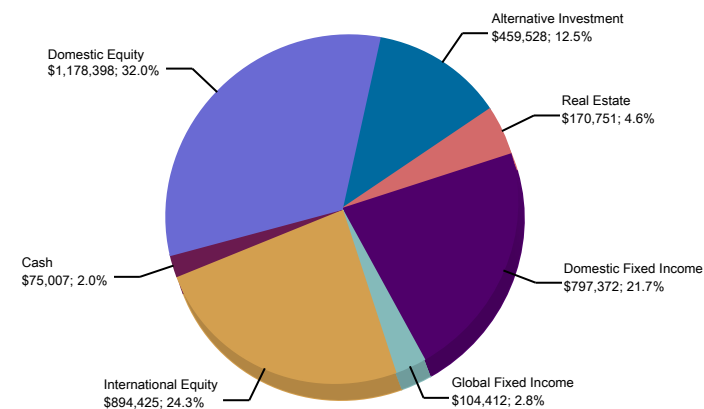
# FRESNO COUNTY EMPLOYEES' RETIREMENT ASSOCIATION

## EXECUTIVE SUMMARY

Period Ending: September 30, 2013

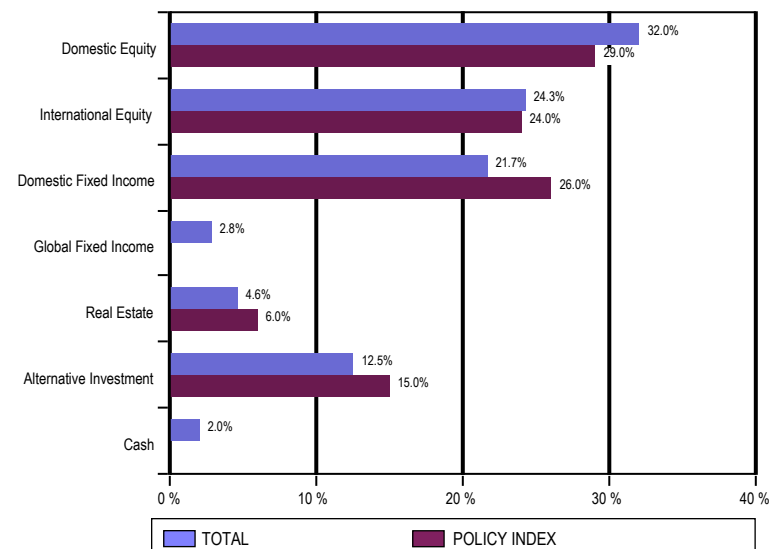
	Market Value		Quarter		One Yr		Three Yrs		Five Yrs		Ten Yrs	
	000.000's	(%)	Rtn	Rnk	Rtn	Rnk	Rtn	Rnk	Rtn	Rnk	Rtn	Rnk
<b>Cash</b>												
<b>Cash and Equivalents</b>												
TOTAL CASH (G)	54.6	1.5%	0.0	95	0.4	20	0.5	18	0.7	24	2.1	22
90-DAY T-BILLS			0.0		0.1		0.1		0.1		1.6	

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



Market Value: \$3,679,894

### Asset Allocation vs Policy



# Fresno County Employees' Retirement Association

## Investment Manager Performance Data - Gross

Period Ending: September 30, 2013

Market Value (000's) / (%)	Performance For Periods Ending 9/30/2013 (Returns for periods greater than one year are annualized)									Calendar Year Returns				
	Quarter	YTD	One Yr	Three Yrs	Five Yrs	Ten Yrs	Since Inception	Inception Date	2012	2011	2010	2009	2008	
Total Manager														
TOTAL FUND (G)	\$3,679,894	5.5%	10.0%	12.7%	9.9%	9.1%	8.4%			13.5%	0.1%	16.3%	22.4%	-25.7%
Investment Style:Total														
Benchmark:POLICY INDEX		5.3%	10.1%	11.7%	9.7%	7.6%	7.0%			12.3%	0.1%	13.3%	19.2%	-25.8%
Ranking -Total Funds - Public Funds Univ.		23rd	48th	44th	57th	22nd	17th			38th	76th	3rd	24th	62nd
Domestic Equity Manager														
SSGA S&P 500 FLAG. (G)	\$185,408 (5.0%)	5.3%	19.8%	19.4%	16.3%	10.1%		6.6%	3/23/2004	16.0%	2.1%	15.1%	26.6%	-36.9%
Investment Style:Large Cap														
Benchmark:S & P 500 INDEX		5.2%	19.8%	19.3%	16.3%	10.0%		6.5%		16.0%	2.1%	15.1%	26.4%	-37.0%
Ranking -Equity Style - Large Core Univ.		67th	58th	62nd	44th	53rd				42nd	28th	51st	53rd	50th
WADDELL & REED (G)	\$190,996 (5.2%)	11.0%	22.2%	21.8%				13.6%	12/17/2010	12.5%	3.0%			
Investment Style:Large Cap Growth														
Benchmark:RUSSELL 1000 GROWTH INDEX		8.1%	20.9%	19.3%				13.9%		15.3%	2.6%			
Ranking -Equity Style - Large Growth Univ.		25th	37th	35th						80th	24th			
WINSLOW CAPITAL MGMT (G)	\$191,903 (5.2%)	11.2%	24.0%	22.4%				13.9%	12/17/2010	14.1%	0.6%			
Investment Style:Large Cap Growth														
Benchmark:RUSSELL 1000 GROWTH INDEX		8.1%	20.9%	19.3%				13.9%		15.3%	2.6%			
Ranking -Equity Style - Large Growth Univ.		24th	22nd	30th						68th	46th			
AJO (G)	\$190,169 (5.2%)	6.2%	24.6%	26.1%	18.4%	10.8%	9.2%	11.0%	12/4/1995	17.4%	2.7%	16.1%	17.5%	-33.1%
Investment Style:Large Cap Value														
Benchmark:RUSSELL 1000 VALUE INDEX		3.9%	20.5%	22.3%	16.2%	8.9%	8.0%	8.8%		17.5%	0.4%	15.5%	19.7%	-36.9%
Ranking -Equity Style - Large Value Univ.		24th	20th	26th	14th	32nd	40th			33rd	24th	37th	91st	11th
WELLINGTON LG VAL (G)	\$188,626 (5.1%)	5.3%	23.6%	27.3%	18.0%	11.2%	8.9%	6.8%	4/30/2000	20.6%	-1.2%	16.9%	28.7%	-40.2%
Investment Style:Large Cap Value														
Benchmark:RUSSELL 1000 VALUE INDEX		3.9%	20.5%	22.3%	16.2%	8.9%	8.0%	5.7%		17.5%	0.4%	15.5%	19.7%	-36.9%
Ranking -Equity Style - Large Value Univ.		44th	27th	21st	19th	25th	49th			12th	63rd	24th	33rd	68th

# Fresno County Employees' Retirement Association

## Investment Manager Performance Data - Gross

Period Ending: September 30, 2013

	Market Value (000's) / (%)	Performance For Periods Ending 9/30/2013 (Returns for periods greater than one year are annualized)								Calendar Year Returns				
		Quarter	YTD	One Yr	Three Yrs	Five Yrs	Ten Yrs	Since Inception	Inception Date	2012	2011	2010	2009	2008
<b>SYSTEMATIC SMID VAL (G)</b> Investment Style:Small/Mid Cap Value <u>Benchmark</u> :RUSSELL 2500 VALUE INDEX Ranking -Equity Style - Small/Mid Value Univ.	<b>\$111,246 (3.0%)</b>	<b>10.3%</b>	<b>25.4%</b>	<b>30.1%</b>				<b>16.7%</b>	<b>10/8/2010</b>	<b>18.1%</b>	<b>-4.4%</b>			
		6.4%	22.5%	27.6%				16.3%		19.2%	-3.4%			
		18th	38th	45th						36th	43rd			
<b>KALMAR INVESTMENTS (G)</b> Investment Style:Small Cap Growth <u>Benchmark</u> :RUSSELL 2000 GROWTH INDEX Ranking -Equity Style - Small Growth Univ.	<b>\$125,763 (3.4%)</b>	<b>13.8%</b>	<b>33.1%</b>	<b>37.2%</b>	<b>22.8%</b>	<b>16.9%</b>		<b>10.8%</b>	<b>11/30/2004</b>	<b>14.8%</b>	<b>1.7%</b>	<b>37.3%</b>	<b>36.7%</b>	<b>-37.1%</b>
		12.8%	32.5%	33.1%	20.0%	13.2%		8.6%		14.6%	-2.9%	29.1%	34.5%	-38.5%
		38th	53rd	24th	35th	26th				48th	39th	8th	48th	33rd
<b>International Equity Manager</b>														
<b>ARTISAN INTL GWTH (G)</b> Investment Style:International Equity <u>Benchmark</u> :MSCI EAFE INDEX Ranking -Int'l Developed Market Equity Univ.	<b>\$306,115 (8.3%)</b>	<b>10.3%</b>						<b>10.9%</b>	<b>3/13/2013</b>					
		11.6%						10.5%						
		50th												
<b>RAFI INTL EQUITY (G)</b> Investment Style:International Equity <u>Benchmark</u> :MSCI EAFE INDEX Ranking -Int'l Developed Market Equity Univ.	<b>\$313,479 (8.5%)</b>	<b>15.1%</b>	<b>19.8%</b>	<b>29.1%</b>				<b>5.2%</b>	<b>4/29/2011</b>	<b>18.7%</b>				
		11.6%	16.6%	24.3%				3.7%		17.9%				
		4th	9th	5th						60th				
<b>MONDRIAN INTL SMALL (G)</b> Investment Style:Small Cap <u>Benchmark</u> :S&P DEVELOPED ex. US SC INDEX Ranking -Int'l Developed Market Equity Univ.	<b>\$149,792 (4.1%)</b>	<b>11.2%</b>	<b>12.7%</b>	<b>19.9%</b>	<b>12.4%</b>			<b>16.1%</b>	<b>11/2/2009</b>	<b>25.5%</b>	<b>-8.1%</b>	<b>30.3%</b>		
		14.6%	19.2%	25.4%	10.4%			10.8%		18.6%	-14.5%	22.0%		
		29th	57th	55th	14th					11th	20th	2nd		
<b>MONDRIAN EMG MARKETS (G)</b> Investment Style:Emerging Markets Equity <u>Benchmark</u> :MSCI EMER MKTS INDEX Ranking -Int'l Emerging Markets Equity Univ.	<b>\$134,193 (3.6%)</b>	<b>-0.7%</b>	<b>-7.5%</b>	<b>-0.4%</b>	<b>2.0%</b>	<b>9.0%</b>		<b>9.0%</b>	<b>11/17/2005</b>	<b>23.1%</b>	<b>-11.2%</b>	<b>18.4%</b>	<b>71.3%</b>	<b>-45.0%</b>
		5.9%	-4.1%	1.3%	0.0%	7.6%		8.0%		18.6%	-18.2%	19.2%	79.0%	-53.2%
		93rd	89th	81st	38th	49th				25th	17th	59th	75th	22nd

# Fresno County Employees' Retirement Association

## Investment Manager Performance Data - Gross

Period Ending: September 30, 2013

		Performance For Periods Ending 9/30/2013 (Returns for periods greater than one year are annualized)								Calendar Year Returns				
	Market Value (000's) / (%)	Quarter	YTD	One Yr	Three Yrs	Five Yrs	Ten Yrs	Since Inception	Inception Date	2012	2011	2010	2009	2008
Domestic Fixed Income Manager														
BLACKROCK FIXED INC (G)	\$316,745 (8.6%)	1.0%	-1.2%	-1.0%	3.6%	6.7%		5.2%	6/25/2004	5.3%	8.0%	8.2%	12.6%	-2.1%
Investment Style:Domestic Fixed Income														
Benchmark:BC AGGREGATE INDEX		0.6%	-1.9%	-1.7%	2.9%	5.4%		4.9%		4.2%	7.8%	6.5%	5.9%	5.2%
Ranking -Bond Funds Univ.		7th	55th	59th	39th	34th				57th	25th	48th	48th	59th
LOOMIS SAYLES FI (G)	\$314,401 (8.5%)	1.1%	-1.7%	0.0%	5.9%	10.5%	7.1%	6.4%	7/5/2001	12.0%	8.0%	10.9%	18.8%	2.8%
Investment Style:Domestic Fixed Income														
Benchmark:BC AGGREGATE INDEX		0.6%	-1.9%	-1.7%	2.9%	5.4%	4.6%	5.2%		4.2%	7.8%	6.5%	5.9%	5.2%
Ranking -Bond Funds Univ.		3rd	69th	33rd	8th	8th	5th			19th	25th	29th	25th	39th
WESTERN CORE FIXED (G)	\$137,885 (3.7%)	0.6%	-1.2%	-0.3%	5.1%	8.6%		5.7%	5/5/2005	9.3%	7.7%	11.3%	19.8%	-7.5%
Investment Style:Domestic Fixed Income														
Benchmark:BC AGGREGATE INDEX		0.6%	-1.9%	-1.7%	2.9%	5.4%		4.7%		4.2%	7.8%	6.5%	5.9%	5.2%
Ranking -Bond Style - Core Univ.		66th	28th	22nd	5th	6th				6th	45th	10th	10th	84th
SSGA TIPS (G)	\$33,907 (0.9%)	0.7%	-6.8%	-6.1%	4.0%			6.7%	2/27/2009	6.9%	13.5%	6.3%		
Investment Style:Real Return														
Benchmark:BC US TIPS INDEX		0.7%	-6.7%	-6.1%	4.0%			6.7%		7.0%	13.6%	6.3%		
Ranking -Bond Style - U.S. TIPS (mf) Univ.		45th	49th	47th	3rd					24th	5th	32nd		
International Fixed Income Manager														
PIMCO EMG LOC BD INS (G)	\$104,412 (2.8%)								7/31/2013					
Investment Style:International Fixed Income														
Benchmark:JPM GBI EM GLOBAL DIV INDEX														
Ranking -Emerging Markets Bond (mf) Univ.														
Real Estate Manager														
INVESCO CORE RE (G)	\$112,530 (3.1%)	2.3%	10.5%	12.9%	13.7%	0.4%		1.3%	10/1/2007	8.7%	16.9%	16.7%	-32.2%	-4.6%
Investment Style:Real Estate														
Benchmark:NFI-ODCE INDEX		3.6%	10.4%	13.0%	14.3%	0.7%		1.1%		10.9%	16.0%	16.4%	-29.8%	-10.0%
Ranking -Real Estate Funds Univ.		76th	33rd	40th	45th	47th				70th	30th	25th	61st	43rd

# Fresno County Employees' Retirement Association

## Investment Manager Performance Data - Gross

Period Ending: September 30, 2013

		Performance For Periods Ending 9/30/2013 (Returns for periods greater than one year are annualized)								Calendar Year Returns				
	Market Value (000's) / (%)	Quarter	YTD	One Yr	Three Yrs	Five Yrs	Ten Yrs	Since Inception	Inception Date	2012	2011	2010	2009	2008
Alternative Investment Manager														
COMMON SENSE (G)	\$66,070 (1.8%)	-3.7%	-1.2%	-2.6%	0.8%			-0.8%	11/30/2009	-3.0%	6.7%	-3.7%		
Investment Style:Hedge Funds														
Benchmark:HFRI FOF COMPOSITE INDEX		1.6%	5.1%	6.4%	2.4%			2.6%		4.8%	-5.7%	5.7%		
Ranking -Hedge Fund of Funds Univ.		97th	90th	89th	78th					97th	2nd	96th		
GROSVENOR (G)	\$77,930 (2.1%)	3.8%	11.4%	14.4%	7.2%			7.1%	10/31/2009	9.7%	-2.6%	7.6%		
Investment Style:Hedge Funds														
Benchmark:HFRI FOF COMPOSITE INDEX		1.6%	5.1%	6.4%	2.4%			2.8%		4.8%	-5.7%	5.7%		
Ranking -Hedge Fund of Funds Univ.		29th	24th	28th	27th					29th	18th	24th		
BLACKROCK COMM (G)	\$125,193 (3.4%)	2.3%	-8.1%	-13.8%	-2.8%			-0.7%	3/31/2010	-0.6%	-13.2%			
Investment Style:Commodities														
Benchmark:DJ UBS COMMODITY TR INDEX		2.1%	-8.6%	-14.3%	-3.2%			-1.0%		-1.1%	-13.3%			
Ranking -NA Univ.														



# Fresno County Employees' Retirement Association

## Manager Scorecard Five Years

Period Ending: September 30, 2013

Manager	Return	Index Return	Standard Deviation	Alpha	Beta	Rsqr	Up Market Capture	Down Market Capture	Batting Average	Information Ratio
<b>Domestic Equity</b>										
WADDELL & REED COMP (G)	10.3%	12.1%	19.6	-1.01	0.9	0.98	87%	99%	350	-0.57
WINSLOW COMP (G)	12.6%	12.1%	22.2	0.07	1.1	0.97	109%	104%	400	0.14
AJO (G)	10.8%	8.9%	21.0	2.40	0.9	0.98	101%	92%	650	0.56
WELLINGTON LG VAL (G)	11.2%	8.9%	24.0	1.96	1.1	0.98	118%	101%	650	0.68
SYSTEMATIC COMP (G)	13.4%	11.1%	25.2	2.89	0.9	0.93	106%	95%	650	0.35
KALMAR INVESTMENTS (G)	16.9%	13.2%	24.3	4.23	0.9	0.98	102%	87%	700	0.92
<b>International Equity</b>										
ARTISAN COMP (G)	10.8%	6.9%	24.2	3.90	1.0	0.96	113%	92%	650	0.82
MONDRIAN INTL SC COM (G)	14.4%	10.2%	25.0	4.81	0.9	0.95	103%	86%	600	0.65
RAFI INTL EQ. COMP (G)	8.9%	6.9%	26.0	1.79	1.1	0.98	110%	98%	550	0.53
MONDRIAN EMG MARKETS (G)	9.0%	7.6%	26.2	1.72	0.9	0.97	86%	86%	550	0.30
<b>Domestic Fixed Income</b>										
BLACKROCK FIXED INC (G)	6.7%	5.4%	3.6	2.29	0.8	0.59	122%	88%	750	0.52
LOOMIS SAYLES FI (G)	10.6%	5.4%	5.4	4.68	1.1	0.46	200%	82%	800	1.29
WESTERN CORE FIXED (G)	8.6%	5.4%	5.3	5.08	0.6	0.17	154%	52%	750	0.64
<b>International Fixed Income</b>										
PIMCO EM BOND COMP (G)	8.6%	8.1%	13.3	0.19	1.0	0.96	103%	98%	650	0.19
<b>Real Estate</b>										
INVESCO COMP (G)	0.4%	3.4%	12.1	-3.98	1.4	0.85	117%	159%	450	-0.52
<b>Alternative Investment</b>										
COMMON SENSE (HIST) (G)	-1.5%	1.9%	5.1	-1.00	-0.3	0.14	-34%	-30%	300	-0.34
GROSVENOR (HIST) (G)	5.8%	1.9%	7.6	3.68	1.0	0.94	155%	82%	750	2.07

# Fresno County Employees' Retirement Association

## Performance Standard Checklist

Period Ending: September 30, 2013

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	↓	↓	↓	↓	↑	↑
WINSLOW	Large Growth	3/31/2013	12/17/2010	↓	↓	↑	↑	↑	↓
ARONSON JOHNSON	Large Value		12/4/1995	↑	↑	↑	↑	↑	↑
WELLINGTON	Large Value		4/30/2000	↑	↑	↑	↑	↑	↑
KALMAR	Small Growth		11/30/2004	↑	↑	↑	↑	↑	↑
SYSTEMATIC	Sm/Mid Value		10/8/2010	↑	↓	↑	↓	↓	↑
MONDRIAN EMERGING	Emerging Markets		11/7/2005	↑	↑	↑	↑	↓	↑
RESEARCH AFFILIATES	International Equity		4/29/2011	↑	↑	↑	↑	↑	↑
ARTISAN INTL	International Equity		3/13/2013	↑	↑	↑	↑	↑	↑
MONDRIAN INTL SM CAP	Intl Small Cap		11/2/2009	↑	↑	↑	↑	↑	↑

### 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.

# Fresno County Employees' Retirement Association

## Performance Standard Checklist

Period Ending: September 30, 2013

No Issues
Watch
Terminate

Investment Manager	Asset Class	Watch Date	Funding Date	Standard #1	Standard #2	Standard #3	Standard #4	Standard #5	Standard #6
BLACKROCK	Domestic Fixed		6/25/2004	↑	↑	↓	↑	↑	↑
LOOMIS SAYLES	Domestic Fixed		7/5/2001	↑	↑	↑	↑	↑	↑
WESTERN ASSET	Domestic Fixed		5/5/2005	↑	↑	↑	↑	↑	↑
PIMCO EM LOCAL BOND	Global Fixed		7/31/2013	↑	↑	↑	↓	↑	↑
INVESCO CORE RE	Real Estate		10/1/2007	↑	↓	↑	↑	↑	↑
COMMON SENSE	Hedge Fund	3/31/2013	12/3/2009	↓	↓	↓	↓	↓	↓
GROSVENOR	Hedge Fund		10/31/2009	↑	↑	↑	↑	↑	↑

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# Fresno County Employees' Retirement Association

## Private Equity

Period Ending: September 30, 2013

IRR Analysis as of IRR date												
Vintage Year	Manager Name/Fund Name	Estimated Market Value as of 9/30/13 <sup>3</sup>	Total Commitment	Capital Called	% Called	Remaining Commitment	Capital Returned	Market Value	Distrib./ Paid-In (DPI) <sup>1</sup>	Tot. Value/ Paid-In (TVPI) <sup>2</sup>	Net IRR Since Inception <sup>6</sup>	IRR Date
<b>Private Equity</b>												
2012	Oaktree Opportunities IX, L.P.	\$2,278,979	\$15,000,000	\$2,250,000	15%	\$12,750,000	\$0	\$2,278,979	0.0%	101.3%	NA <sup>4</sup>	09/30/13
2010	KKR Mezzanine Partners	\$12,455,010	\$30,000,000	\$14,771,357	49%	\$15,228,643	\$5,774,801	\$12,455,010	39.1%	123.4%	8.0%	12/31/12
2010	Angelo Gordon VII	\$29,132,137	\$30,000,000	\$30,000,000	100%	\$0	\$8,093,980	\$29,132,137	27.0%	124.1%	7.3%	09/30/13
2008	Landmark Equity XIV, L.P.	\$18,978,214	\$30,000,000	\$21,116,245	70%	\$8,883,755	\$7,269,134	\$18,978,214	34.4%	124.3%	19.0%	03/31/13
2007	New Mountain Partners III	\$13,378,403	\$15,000,000	\$13,499,079	90%	\$1,500,921	\$4,230,986	\$13,378,403	31.3%	130.4%	8.5%	06/30/13
2007	Hamilton Lane VI	\$46,210,623	\$70,000,000	\$59,892,864	86%	\$10,107,136	\$29,387,175	\$46,210,623	49.1%	126.2%	8.0%	09/30/13
2007	WP Private Equity X, L.P.	\$23,837,828	\$25,000,000	\$24,812,500	99%	\$187,500	\$5,756,937	\$23,837,828	23.2%	119.3%	5.6%	06/30/13
2002	Blackstone IV	\$11,813,672	\$20,000,000	\$22,267,226	111%	-\$2,267,226	\$45,145,000	\$11,813,672	202.7%	255.8%	30.6%	09/30/13
2002	Lone Star Fund IV	\$986,281	\$20,000,000	\$19,045,199	95%	\$954,801	\$42,116,795	\$986,281	221.1%	226.3%	30.5%	06/30/13
2002	TCW Shop IV	\$5,830,386	\$15,000,000	\$24,090,486	161%	-\$9,090,486	\$23,914,813	\$5,830,386	99.3%	123.5%	7.0%	06/30/13
2001	WP Private Equity VIII, L.P.	\$17,338,927	\$25,000,000	\$25,000,000	100%	\$0	\$39,138,844	\$17,338,927	156.6%	225.9%	15.4%	06/30/13
2000	Landmark Equity X, L.P.	\$2,519,580	\$20,000,000	\$19,009,543	95%	\$990,457	\$20,340,876	\$2,519,580	107.0%	120.3%	4.3%	03/31/13
1999	New Mountain Partners, L.P.	\$1,893,168	\$20,000,000	\$19,009,337	95%	\$990,663	\$25,443,481	\$1,893,168	133.8%	143.8%	12.4%	06/30/13
1999	BCI Growth V, L.P.	\$521,811	\$20,000,000	\$18,948,000	95%	\$1,052,000	\$8,226,000	\$521,811	43.4%	46.2%	-9.5%	12/31/12
1998	TCW Shop III	\$2,408,767	\$15,000,000	\$15,000,000	100%	\$0	\$16,047,887	\$2,408,767	107.0%	123.0%	3.4%	09/30/12
1998	WP Equity Partners, L.P.	\$751,030	\$20,000,000	\$20,000,000	100%	\$0	\$31,928,813	\$751,030	159.6%	163.4%	10.2%	06/30/13
1997	Blackstone III	\$610	\$15,000,000	\$15,368,000	102%	-\$368,000	\$35,311,039	\$610	229.8%	229.8%	14.5%	09/30/13

<b>Total Alternative Illiquids</b>	<b>\$190,335,426</b>	\$405,000,000	\$364,079,835	90%	\$40,920,165	\$348,126,561	\$190,335,426	95.6%	147.9%
<b>% of Portfolio (Market Value)</b>	<b>5.2%</b>								

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

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

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

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

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

<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>7</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

# Fresno County Employees' Retirement Association

## Real Estate - Closed End Funds

Period Ending: September 30, 2013

Inception Date	Real Estate - Closed End Funds	Total Commitment (000's)	Contributions (000's)	Distributions (000's)	Market Values (000's)	One Quarter Return(%)	One Year Return(%)	Three Years Return(%)	Five Years Return(%)	(IRR) Since Inception(%)
12/04/09	Colony Capital*	\$40,000	\$42,268	\$35,700	<b>\$27,410</b>	0.9	7.5	10.4	NA	19.3
10/30/09	TA Realty IX**	\$30,000	\$30,000	\$7,336	<b>\$30,799</b>	2.1	9.5	13.8	NA	17.7
04/12/89	JMB V***	\$10,000	\$10,000	\$17,831	<b>\$12</b>	NA	NA	NA	NA	NA

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<b>Total Real Estate - Closed End</b>	\$80,000	\$82,268	\$60,867	<b>\$58,221</b>
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<b>Total Real Estate - Closed End</b>	<b>\$58,221</b>
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<b>% of Total Fund (Market Value)</b>	<b>1.6%</b>
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\* Balance and IRR as of 9/30/2013. Colony Capital reflects a FCERA-specific IRR.

\*\* Balance and IRR as of 9/30/2013.

\*\*\* Fund is in liquidation period and short-term returns are not indicative of manager performance.

# FRESNO COUNTY EMPLOYEES' RETIREMENT ASSOCIATION

## INVESTMENT FUND FEE ANALYSIS LONG

Period Ending: September 30, 2013

Fund Name	Investment Category	Fee Schedule	Assets as of 9/30/2013	Ticker	Average Expense Ratio	Expense Ratio	Est. Annual Expense	Revenue Sharing	Estimated Revenue
SSGA S&P 500 FLAG.	Domestic Equity Large Cap	0.03% on 1st \$150MM 0.018% on next \$500MM	\$185,408,188	Commingled	0.52%	0.03%	\$51,358	n/a	n/a
WADDELL & REED	Domestic Equity Large Cap Growth	0.25% Total Expense Ratio	\$190,996,012	Separate	0.56%	0.25%	\$477,490	n/a	n/a
WINSLOW CAPITAL MGMT	Domestic Equity Large Cap Growth	0.25% Total Expense Ratio	\$191,903,282	Separate	0.56%	0.25%	\$479,758	n/a	n/a
AJO	Domestic Equity Large Cap Value	0.3% Total Expense Ratio	\$190,169,150	Separate	0.53%	0.30%	\$570,507	n/a	n/a
WELLINGTON LG VAL	Domestic Equity Large Cap Value	0.32% on 1st \$250MM 0.3% on next \$500MM	\$188,625,923	Separate	0.53%	0.32%	\$603,603	n/a	n/a
SYSTEMATIC SMID VAL	Domestic Equity Small/Mid Cap Value	0.35% Total Expense Ratio	\$111,246,176	Separate	0.81%	0.35%	\$389,362	n/a	n/a
KALMAR INVESTMENTS	Domestic Equity Small Cap Growth	1% on 1st \$10MM 0.875% on next \$10MM 0.75% on next \$500MM	\$125,763,033	Separate	0.87%	0.78%	\$980,700	n/a	n/a
ARTISAN INTL GWTH	International Equity	0.8% on 1st \$50MM 0.6% on next \$500MM	\$306,114,741	Separate	0.68%	0.63%	\$1,936,788	n/a	n/a
RAFI INTL EQUITY	International Equity	0.12% Total Expense Ratio	\$313,478,962	Separate	0.68%	0.12%	\$376,175	n/a	n/a
MONDRIAN INTL SMALL	International Equity Small Cap	0.85% on 1st \$25MM 0.65% on next \$50MM 0.625% on next \$50MM 0.6% on next \$500MM	\$149,792,359	Commingled	0.68%	0.67%	\$998,815	n/a	n/a
MONDRIAN EMG MARKETS	Emerging Markets Equity	1% on 1st \$25MM 0.75% on next \$50MM 0.6% on next \$500MM	\$134,192,649	Commingled	0.90%	0.73%	\$980,143	n/a	n/a
BLACKROCK FIXED INC	Domestic Fixed Income	0.25% on 1st \$100MM 0.2% on next \$100MM 0.175% on next \$100MM 0.15% on next \$500MM	\$316,744,598	Separate	0.27%	0.21%	\$649,960	n/a	n/a
LOOMIS SAYLES FI	Domestic Fixed Income	0.205% Total Expense Ratio	\$314,400,714	Separate	0.27%	0.21%	\$644,521	n/a	n/a
WESTERN CORE FIXED	Domestic Fixed Income	0.15% Total Expense Ratio	\$137,885,361	Separate	0.28%	0.15%	\$206,828	n/a	n/a
SSGA TIPS	Domestic Fixed Income Real Return	0.04% Total Expense Ratio	\$33,907,269	Commingled	0.75%	0.04%	\$13,563	n/a	n/a
PIMCO EMG LOC BD INS	International Fixed Income	0.5% on 1st \$100MM 0.45% on next \$500MM	\$104,412,215	Separate	1.20%	0.50%	\$519,868	n/a	n/a
COMMON SENSE	Hedge Funds	1.5% on 1st \$5MM 1.25% on next \$20MM 1% on next \$500MM	\$66,070,076	Commingled	1.50%	1.11%	\$735,690	n/a	n/a
GROSVENOR	Hedge Funds	1.15% on 1st \$25MM 1% on next \$25MM 0.8% on next \$50MM 0.6% on next \$500MM	\$77,929,636	Commingled	1.50%	0.98%	\$760,905	n/a	n/a

# FRESNO COUNTY EMPLOYEES' RETIREMENT ASSOCIATION

## INVESTMENT FUND FEE ANALYSIS LONG

Period Ending: September 30, 2013

Fund Name	Investment Category	Fee Schedule	Assets as of 9/30/2013	Ticker	Average Expense Ratio	Expense Ratio	Est. Annual Revenue Expense	Revenue Sharing	Estimated Revenue
BLACKROCK COMM	Commodities	0.3% Total Expense Ratio	\$125,192,643	Commingled	n/a	0.30%	\$375,578	n/a	n/a
<b>Total</b>			<b><u>\$3,264,232,986</u></b>			<b><u>0.36%</u></b>	<b><u>\$11,751,614</u></b>		

*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.*

*\* Managers with incentive fee: Waddell, Winslow, Systematic, Research Affiliates, Western Asset, Artisan.*

*\*\* If Loomis FI assets fall below \$200MM, the annual management fee for Loomis FI will rise to 0.25%.*

*\*\*\* Common Sense fee schedule effective as of January 1, 2013.*

*\*\*\*\* Research Affiliates fee schedule effective as of April 1, 2013.*

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