



NEPC, LLC

YOU DEMAND MORE. So do we.<sup>SM</sup>



**Firefighters' Retirement System of Louisiana**

---

## **Investment Market Update (As of October 31, 2014)**

David Barnes, CFA, CAIA, Senior Consultant  
Rhett Humphreys, CFA, Partner

255 State Street, Boston, MA 02109 | TEL: 617.374.1300 | FAX: 617.374.1313 | [www.nepc.com](http://www.nepc.com)

**BOSTON | ATLANTA | CHARLOTTE | CHICAGO | DETROIT | LAS VEGAS | SAN FRANCISCO**

## Investment Market Update: As of October 31, 2014

### PERFORMANCE THROUGH 10/31/2014

Sector	Index	2008	2009	2010	2011	2012	2013	Q1	Q2	Q3	OCT	2014
Treasury STRIPS	Barclays US Strips 20+ Yr	59.5%	-36.0%	10.9%	58.5%	3.0%	-21.0%	12.7%	7.8%	5.1%	4.2%	33.1%
REITS	Wilshire US REIT	-39.2%	28.6%	28.6%	9.2%	17.6%	1.9%	10.1%	7.2%	-3.1%	10.7%	26.7%
Long Govt/Credit	Barclays US Govt/Credit Long	8.4%	1.9%	10.2%	22.5%	8.8%	-8.8%	6.6%	4.9%	1.0%	2.2%	15.5%
Long Credit	Barclays US Long Credit	-3.9%	16.8%	10.7%	17.1%	12.7%	-6.6%	6.3%	5.0%	0.2%	1.9%	14.0%
Large Cap	S&P 500	-37.0%	26.5%	15.1%	2.1%	16.0%	32.4%	1.8%	5.2%	1.1%	2.4%	11.0%
Large Cap Growth	Russell 1000 Growth	-38.4%	37.2%	16.7%	2.6%	15.3%	33.5%	1.1%	5.1%	1.5%	2.6%	10.7%
Large Cap	Russell 1000	-37.6%	28.4%	16.1%	1.5%	16.4%	33.1%	2.0%	5.1%	0.7%	2.4%	10.6%
Large Cap Value	Russell 1000 Value	-36.8%	19.7%	15.5%	0.4%	17.5%	32.5%	3.0%	5.1%	-0.2%	2.2%	10.5%
Muni Bonds	Barclays Municipal	-2.5%	12.9%	2.4%	10.7%	6.8%	-2.6%	3.3%	2.6%	1.5%	0.7%	8.3%
EMD USD	Barclays EM USD Agg	-14.7%	34.2%	12.8%	7.0%	17.9%	-4.1%	2.8%	4.5%	-0.8%	1.2%	7.9%
Diversified	Diversified*	-25.0%	24.8%	13.8%	1.4%	12.5%	18.1%	2.0%	3.8%	-1.4%	2.2%	6.7%
Core Bonds	Barclays US Agg Bond	5.2%	5.9%	6.5%	7.8%	4.2%	-2.0%	1.8%	2.0%	0.2%	1.0%	5.1%
SMID Cap	Russell 2500	-36.8%	34.4%	26.7%	-2.5%	17.9%	36.8%	2.3%	3.6%	-5.3%	4.4%	4.7%
High Yield	Barclays US Corp HY	-26.2%	58.2%	15.1%	5.0%	15.8%	7.4%	3.0%	2.4%	-1.9%	1.2%	4.7%
Interm Core Bonds	Barclays US Agg Interm	4.9%	6.5%	6.1%	6.0%	3.6%	-1.0%	1.2%	1.6%	0.0%	0.8%	3.7%
Emerging Equities	MSCI EM	-53.3%	78.5%	18.9%	-18.4%	18.2%	-2.6%	-0.4%	6.6%	-3.5%	1.2%	3.6%
Interm Govt/Credit	Barclays US Govt/Credit Interm	5.1%	5.2%	5.9%	5.8%	3.9%	-0.9%	1.0%	1.2%	-0.0%	0.7%	2.9%
Small Cap Value	Russell 2000 Value	-28.9%	20.6%	24.5%	-5.5%	18.1%	34.5%	1.8%	2.4%	-8.6%	7.0%	1.9%
Small Cap Growth	Russell 2000 Growth	-38.5%	34.5%	29.1%	-2.9%	14.6%	43.3%	0.5%	1.7%	-6.1%	6.2%	1.9%
Small Cap	Russell 2000	-33.8%	27.2%	26.9%	-4.2%	16.3%	38.8%	1.1%	2.0%	-7.4%	6.6%	1.9%
EMD Loc	JPM GBI EM Glob Div	-5.2%	22.0%	15.7%	-1.8%	16.8%	-9.0%	1.9%	4.0%	-5.7%	1.6%	1.6%
Govt/Credit	Barclays Govt/Credit 1-5 Yr	5.1%	4.6%	4.1%	3.1%	2.2%	0.3%	0.4%	0.7%	-0.0%	0.5%	1.5%
Govt/Credit	Barclays US Govt/Credit 1-3 Yr	5.0%	3.8%	2.8%	1.6%	1.3%	0.6%	0.2%	0.3%	0.0%	0.3%	0.9%
Global Bonds	Citi WGBI	10.9%	2.6%	5.2%	6.4%	1.6%	-4.0%	2.7%	2.3%	-3.8%	-0.2%	0.8%
Int'l Developed	MSCI EAFE	-43.4%	31.8%	7.8%	-12.1%	17.3%	22.8%	0.7%	4.1%	-5.9%	-1.5%	-2.8%
Commodities	Bloomberg Commodity	-35.6%	18.9%	16.8%	-13.3%	-1.1%	-9.5%	7.0%	0.1%	-11.8%	-0.8%	-6.3%

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

Source: Morningstar Direct



NEPC, LLC

October 31, 2014



### Overview

Markets experienced a turbulent ride in October but wound up in a familiar place by month end with domestic equities positive and Treasury yields lower. A wave of volatility spurred by global growth concerns permeated through markets – first felt in currencies and then resulting in a sharp equity selloff early in the month. US markets faced a correction but a reversal in losses was spurred on by eased growth worries and a better than expected estimated GDP growth of 3.5% in the third quarter. The Federal Reserve's commitment to ending quantitative easing was mostly met with positive market reaction as its activities were interpreted as moderately hawkish, causing a small rise in Treasury yields at month end. US small cap issues surged to post gains of 6.6%, represented by the Russell 2000. The rebound was felt less strongly in international developed equities as the MSCI EAFE Index returned -1.5% while the S&P 500 was up 2.4% on the month. Recessionary worries remained prominent in Europe as speculation mounted the ECB would consider buying credit securities as early as December as part of an expansion of its asset purchasing program.

Despite the late uptick in yields, most broad US fixed income indices were up on the month as well. Emerging market stocks and bonds were mixed but mostly positive with the MSCI EM Index returning 1.2% and the JP Morgan GBI-EM Global Diversified Index up 1.6%. Oil prices continued their decline as both WTI Crude and European Brent fell to and then hovered near \$80 per barrel, down from peaks around \$110 per barrel in June. Though the US dollar fluctuated, it remained strong relative to recent history, especially compared to the Japanese yen which experienced a sharp depreciation due to the Bank of Japan's surprise announcement of further monetary stimulus.

Though high volatility can be concerning, we believe it is prudent to avoid overreaction to October's episode as it was quite normal in magnitude compared to historical short-term equity drawdowns. We do however believe that investors should remain positioned for some reversion to the mean in volatility levels – particularly as divergent central banking policies play out. We continue to be constructive on unconstrained and non-traditional fixed income products as an avenue to access return. Similarly we believe global asset allocation products with flexible mandates represent sensible building blocks in portfolio construction that can be well positioned to be defensive and add value during periods of shifting volatility.

# Firefighters' Retirement System of Louisiana

## Investment Performance Flash Report

October 31, 2014

### Investment Performance Summary - Net of Fees

	Market Value (\$)	Policy %	% of Portfolio	1 Mo (%)	Fiscal YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Return (%)	Since
<b>Total Plan Composite</b>	<b>1,359,175,278</b>	<b>100.0</b>	<b>100.0</b>	<b>0.8</b>	<b>-1.4</b>	<b>4.0</b>	<b>6.3</b>	<b>6.7</b>	<b>5.1</b>	<b>6.0</b>	<b>Sep-92</b>
Policy Index				1.0	-0.6	8.0	--	--	--	--	Sep-92
Allocation Index				0.9	-0.9	7.3	--	--	--	--	Sep-92
<b>Total Equity Composite</b>	<b>752,299,909</b>	<b>51.0</b>	<b>55.3</b>	<b>1.2</b>	<b>-1.7</b>	<b>9.1</b>	<b>13.8</b>	<b>12.8</b>	<b>8.2</b>	<b>7.5</b>	<b>Sep-92</b>
MSCI ACWI				0.7	-1.6	7.8	13.0	10.6	7.1	7.7	Sep-92
<b>Domestic Equity Composite</b>	<b>399,177,386</b>	<b>24.0</b>	<b>29.4</b>	<b>1.7</b>	<b>-0.2</b>	<b>12.3</b>	<b>15.6</b>	<b>15.8</b>	<b>9.0</b>	<b>7.8</b>	<b>Sep-92</b>
Russell 3000				2.8	2.8	16.1	19.8	17.0	8.6	9.7	Sep-92
Mellon Stock Index Fund	282,705,172		20.8	2.4	3.6	17.2	--	--	--	17.2	Nov-13
S&P 500				2.4	3.6	17.3	19.8	16.7	8.2	17.3	Nov-13
<b>SMID Cap Composite</b>	<b>116,472,214</b>	<b>8.0</b>	<b>8.6</b>	<b>0.0</b>	<b>-8.4</b>	<b>1.9</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>13.2</b>	<b>Oct-12</b>
Russell 2500				4.4	-1.2	10.2	19.0	18.4	9.7	20.6	Oct-12
Advisory Research SMID	44,537,837		3.3	1.1	-7.0	4.9	15.1	16.1	--	17.5	Jun-09
Russell 2500 Value				4.4	-2.2	10.2	19.3	17.6	8.9	19.6	Jun-09
Energy Opportunities Fund	30,067,358		2.2	-7.5	-18.8	-10.8	2.1	7.2	--	1.9	Jul-07
OIH/XLE Blended Energy Benchmark				-6.2	-17.1	-4.2	4.8	7.1	--	1.9	Jul-07
Mellon Small Cap Index Fund	20,787,710		1.5	6.6	-1.2	8.1	--	--	--	8.1	Nov-13
Russell 2000				6.6	-1.3	8.1	18.2	17.4	8.7	8.1	Nov-13
Mellon Mid Cap Stock Index Fund	21,079,308		1.6	3.6	-0.6	11.6	--	--	--	11.6	Nov-13
S&P 400 MidCap				3.6	-0.6	11.7	18.7	18.3	10.5	11.7	Nov-13
<b>International Equity Composite</b>	<b>150,035,048</b>	<b>12.0</b>	<b>11.0</b>	<b>-0.9</b>	<b>-6.4</b>	<b>0.4</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>10.0</b>	<b>Oct-12</b>
MSCI ACWI ex USA				-1.0	-6.2	0.1	7.8	6.1	6.6	9.5	Oct-12
LSV International Equity Value	75,352,636		5.5	-1.4	-6.2	0.9	9.4	7.5	6.5	6.5	Oct-04
MSCI Custom Benchmark				-1.0	-6.2	0.1	7.8	5.8	5.4	5.7	Oct-04
Fisher All Foreign Equity	74,682,412		5.5	-0.5	-6.5	-0.1	7.4	7.6	7.3	7.4	Oct-04
MSCI ACWI ex USA				-1.0	-6.2	0.1	7.8	6.1	6.6	6.9	Oct-04

Policy Index comprised of 16.0% S&P 500; 8.0% Russell 2500; 12.0% MSCI ACWI ex US; 5.0% MSCI Emerging Markets; 10.0% MSCI ACWI; 19.0% Barclays Aggregate; 5.0% JPM GBI-EM Global Diversified; 8.0% Cambridge Associates Private Equity; 7.0% NCREIF; 10% Custom GAA Index (60% MSCI World (Net) / 40% CITI WGBI)

Results for periods longer than one year are annualized. Results are preliminary and subject to change.

Fiscal Year ends June 30th.

SMID Cap and International Equity Composites start date is 10/1/2012.

MSCI Custom Benchmark is comprised of the MSCI EAFE until 12/31/2009 and MSCI ACWI ex USA beginning 1/1/2010.



NEPC, LLC

October 31, 2014



# Firefighters' Retirement System of Louisiana

## Investment Performance Flash Report

October 31, 2014

	Market Value (\$)	Policy %	% of Portfolio	1 Mo (%)	Fiscal YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Return (%)	Since
<b>Global Equity Composite</b>	136,493,303	10.0	10.0	1.6	-0.6	13.2	--	--	--	20.2	Oct-12
MSCI ACWI				0.7	-1.6	7.8	13.0	10.6	7.1	14.2	Oct-12
Thornburg Global Opportunities	63,653,028		4.7	3.1	0.5	20.8	20.8	15.1	12.6	12.5	Sep-04
MSCI ACWI				0.7	-1.6	7.8	13.0	10.6	7.1	7.3	Sep-04
BlackRock Global Focused	49,830,277		3.7	0.0	0.2	6.9	13.3	--	--	11.6	Sep-11
MSCI ACWI				0.7	-1.6	7.8	13.0	10.6	7.1	12.4	Sep-11
KBI Water Fund	23,009,998		1.7	1.3	-4.9	7.7	18.1	13.9	--	4.3	Jul-07
MSCI ACWI				0.7	-1.6	7.8	13.0	10.6	7.1	2.9	Jul-07
<b>Emerging Markets Equity</b>	66,594,172	5.0	4.9	1.7	-1.9	3.1	--	--	--	5.3	Oct-13
MSCI Emerging Markets				1.2	-2.4	0.6	3.2	4.6	10.5	5.1	Oct-13
Acadian Emerging Markets Equity	33,166,471		2.4	1.6	-1.9	--	--	--	--	4.4	Dec-13
MSCI Emerging Markets				1.2	-2.4	0.6	3.2	4.6	10.5	2.1	Dec-13
OFI Emerging Markets	33,427,701		2.5	1.8	-2.0	--	--	--	--	3.5	Jan-14
MSCI Emerging Markets				1.2	-2.4	0.6	3.2	4.6	10.5	3.6	Jan-14
<b>Total Fixed Income Composite</b>	271,275,836	24.0	20.0	0.4	-1.3	-0.6	--	--	--	0.2	Oct-12
Total Fixed Income Custom Benchmark				1.1	-0.2	2.5	2.2	3.9	4.5	0.7	Oct-12
<b>Core Fixed Income</b>	213,091,641	19.0	15.7	0.3	0.0	0.9	3.2	--	--	2.9	Dec-10
Barclays Aggregate				1.0	1.2	4.1	2.7	4.2	4.6	3.5	Dec-10
PIMCO Total Return	0		0.0	0.8	0.4	3.2	4.4	5.1	6.0	6.7	Jun-99
Barclays Aggregate				1.0	1.2	4.1	2.7	4.2	4.6	5.6	Jun-99
Orleans Core Fixed Income	63,084,016		4.6	0.7	0.4	4.2	3.0	4.7	5.0	6.2	Aug-92
Barclays Aggregate				1.0	1.2	4.1	2.7	4.2	4.6	5.9	Aug-92
Commonwealth	399,017		0.0	0.0	0.0	-91.2	-50.0	-45.2	--	-34.9	Jun-07
Barclays Aggregate				1.0	1.2	4.1	2.7	4.2	4.6	5.3	Jun-07
Blackrock US Debt	149,608,608		11.0	--	--	--	--	--	--	--	Nov-14
Barclays Aggregate				1.0	1.2	4.1	2.7	4.2	4.6	--	Nov-14

Results for periods longer than one year are annualized. Results are preliminary and subject to change.

Fiscal YTD ends June 30th.

Global Equity Composite and Total Fixed Income Composite start date is 10/1/2012.

Total Fixed Income Custom Benchmark is comprised of the Barclays Aggregate from 10/1/2012 to 10/31/2013 and 75% Barclays Aggregate/25% JPM GBI EM Diversified going forward.



NEPC, LLC

October 31, 2014

# Firefighters' Retirement System of Louisiana

## Investment Performance Flash Report

October 31, 2014

	Market Value (\$)	Policy %	% of Portfolio	1 Mo (%)	Fiscal YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Return (%)	Since
<b>Emerging Markets Debt</b>	<b>58,184,195</b>	<b>5.0</b>	<b>4.3</b>	0.7	-5.6	-5.4	--	--	--	-5.4	Nov-13
JP Morgan GBI EM Diversified				1.6	-4.2	-2.7	0.9	4.6	8.6	-2.7	Nov-13
Stone Harbor	58,184,195		4.3	0.7	-5.6	-5.4	--	--	--	-5.4	Nov-13
JP Morgan GBI EM Diversified				1.6	-4.2	-2.7	0.9	4.6	8.6	-2.7	Nov-13
<b>GAA Composite</b>	<b>137,193,425</b>	<b>10.0</b>	<b>10.1</b>	0.4	-1.7	--	--	--	--	2.2	Apr-14
60% MSCI World (Net) / 40% CITI WGBI				0.3	-2.5	4.7	8.2	7.6	6.0	1.2	Apr-14
Blackrock Global Allocation	68,733,557		5.1	-0.4	-1.4	--	--	--	--	1.8	Apr-14
60% MSCI World (Net) / 40% CITI WGBI				0.3	-2.5	4.7	8.2	7.6	6.0	1.2	Apr-14
AQR Global Risk Premium – EL	41,248,997		3.0	1.2	-1.9	--	--	--	--	2.8	May-14
60% MSCI World (Net) / 40% CITI WGBI				0.3	-2.5	4.7	8.2	7.6	6.0	0.1	May-14
Putnam Risk Parity	27,210,871		2.0	1.4	-1.9	--	--	--	--	-1.9	Jul-14
60% MSCI World (Net) / 40% CITI WGBI				0.3	-2.5	4.7	8.2	7.6	6.0	-2.5	Jul-14
<b>Total Alternative Composite</b>	<b>158,580,111</b>	<b>15.0</b>	<b>11.7</b>	0.0	0.0	-8.7	-2.4	0.7	--	1.5	Jun-05
<b>Hedge Fund Composite</b>	<b>5,859,189</b>	<b>0.0</b>	<b>0.4</b>	0.0	-0.5	-15.5	-10.8	-3.3	--	-0.5	Jun-05
HFRI Fund of Funds Composite Index				-0.8	-0.5	4.0	4.5	3.3	3.3	3.0	Jun-05
The Clinton Group Magnolia	1,302,842		0.1	0.0	0.0	-41.2	-8.2	1.4	--	0.3	Oct-07
HFRI RV: Multi-Strategy Index				-0.4	-0.1	4.5	5.9	6.3	4.7	3.9	Oct-07
Scoggin Fund	137,957		0.0	0.0	2.4	17.8	11.0	9.9	--	9.6	Feb-06
HFRI Event-Driven (Total) Index				-1.0	-2.7	3.8	7.1	6.9	6.4	5.2	Feb-06
Sand Spring Capital III	775		0.0	0.0	0.0	-53.5	-12.8	-24.4	--	-23.3	Jan-07
HFRI RV: Fixed Income-Asset Backed				-0.6	1.4	9.5	11.7	11.3	9.1	9.3	Jan-07
CA Recovery Fund LLC	4,417,615		0.3	0.0	-0.7	8.8	-0.8	5.5	--	6.5	Jul-09
HFRI RV: Fixed Income-Asset Backed				-0.6	1.4	9.5	11.7	11.3	9.1	12.6	Jul-09

Results for periods longer than one year are annualized. Results are preliminary and subject to change.

Fiscal YTD ends June 30th.

Private Equity valuations are as of 6/30/2014 adjusted for cash flows.

CA Recovery Fund is lagged by two months, market value and returns are as of 8/31/2014.

Scoggin Fund is lagged by one month, market value and returns are as of 9/30/2014.



NEPC, LLC

October 31, 2014



# Firefighters' Retirement System of Louisiana

## Investment Performance Flash Report

October 31, 2014

	Market Value (\$)	Policy %	% of Portfolio	1 Mo (%)	Fiscal YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Return (%)	Since
<b>Private Equity Composite</b>	<b>58,523,631</b>	<b>8.0</b>	<b>4.3</b>	<b>0.0</b>	<b>0.0</b>	<b>-23.7</b>	<b>-3.3</b>	<b>3.1</b>	<b>--</b>	<b>-4.8</b>	<b>Jul-05</b>
Cambridge Associates US All PE				0.0	0.0	16.2	16.4	16.3	14.9	13.2	Jul-05
Murphree Venture (\$2,000,000)	1,662,676		0.1	0.0	0.0	7.1	5.3	5.5	--	0.3	Sep-05
Louisiana Fund I (\$2,000,000)	2,093,790		0.2	0.0	0.0	2.0	4.3	1.8	--	-7.2	Jul-05
DTC Private Equity II-Q, L.P. (\$7,500,000)	5,226,301		0.4	0.0	0.0	14.7	13.7	13.2	--	5.6	Feb-06
Greenspring Associates (\$9,200,000)	4,023,274		0.3	0.0	0.0	20.4	20.7	18.8	--	5.2	Feb-06
DCM Private Equity II (\$7,500,000)	5,466,197		0.4	0.0	0.0	7.6	8.0	8.3	--	0.5	Feb-06
FECP II (\$20,000,000)	5,325,362		0.4	0.0	0.0	118.0	33.7	18.2	--	16.3	Mar-08
FECP III (\$20,000,000)	9,334,347		0.7	0.0	0.0	113.7	45.0	22.3	--	23.9	Jul-09
Sail Venture Partners II (\$30,000,000)	8,624,229		0.6	0.0	0.0	-66.7	-39.0	-18.1	--	-18.2	Oct-08
Sail Sustainable Louisiana Fund (\$15,000,000)	3,474,899		0.3	0.0	0.0	-83.8	-39.1	--	--	-33.4	Jun-11
GA Crossover Fund (\$25,000,000)	13,292,556		1.0	0.0	0.0	25.6	28.2	23.3	--	14.8	Jan-08
<b>Real Estate Composite</b>	<b>94,197,291</b>	<b>7.0</b>	<b>6.9</b>	<b>0.0</b>	<b>0.0</b>	<b>5.1</b>	<b>5.7</b>	<b>--</b>	<b>--</b>	<b>4.7</b>	<b>Dec-09</b>
NCREIF Property Index				0.0	2.6	11.3	11.1	11.0	8.5	11.2	Dec-09
Americus Fund II (\$13,168,000)	13,434,839		1.0	0.0	0.0	-1.5	5.4	-1.4	--	8.8	Dec-05
Sentinel Real Estate Fund (\$30,000,000)	30,969,745		2.3	0.0	0.0	10.0	19.1	16.3	--	5.0	Feb-06
Land Baron - FRS (\$25,000,000)	4,764,705		0.4	0.0	0.0	0.2	-25.3	-20.4	--	-16.6	Jun-07
JP Morgan India (\$8,990,000)	5,851,875		0.4	0.0	0.0	4.9	-2.0	3.0	--	-15.4	Apr-07
Vision Capital - GA (\$9,000,000)	5,830,221		0.4	0.0	0.0	-12.0	-5.3	-9.6	--	-9.8	Feb-08
Timbervest Crossover Fund (\$16,000,000)	11,551,107		0.8	0.0	0.0	-1.2	1.0	1.8	--	0.6	Apr-08
AEW Partners VI LP (\$20,000,000)	17,504,799		1.3	0.0	0.0	17.2	18.1	--	--	11.3	Mar-10
Land Baron - NLTP	4,290,000		0.3	0.0	0.0	0.0	-38.2	-22.1	--	-20.9	Jun-09
<b>Total Cash (\$9 MM)</b>	<b>39,825,997</b>	<b>--</b>	<b>2.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>0.2</b>	<b>1.9</b>	<b>3.2</b>	<b>Jun-92</b>
91 Day T-Bills				0.0	0.0	0.0	0.0	0.1	1.5	2.8	Jun-92

Results for periods longer than one year are annualized. Results are preliminary and subject to change.

Fiscal YTD ends June 30th.

Real Estate valuations are as of 6/30/2014 adjusted for cash flows.

Land Baron - NLTP is part of the Real Estate Composite as of 12/1/2012.



NEPC, LLC

October 31, 2014

# Firefighters' Retirement System of Louisiana

## Current Monthly Breakdown of Change in Value

October 31, 2014

### Total Cash Flow Summary

Month Ending October 31, 2014

	Beginning Market Value	Withdrawals	Contributions	Net Cash Flow	Fees	Net Investment Change	Ending Market Value
Acadian Emerging Markets Equity	\$32,628,650	\$0	\$0	\$0	-\$64,982	\$537,821	\$33,166,471
Advisory Research SMID	\$44,067,333	\$0	\$0	\$0	\$0	\$470,505	\$44,537,837
AEW Partners VI LP (\$20,000,000)	\$17,504,799	\$0	\$0	\$0	\$0	\$0	\$17,504,799
Americus Fund II (\$13,168,000)	\$13,458,599	-\$23,760	\$0	-\$23,760	\$0	\$0	\$13,434,839
AQR Global Risk Premium – EL	\$40,751,098	\$0	\$0	\$0	\$0	\$497,899	\$41,248,997
Blackrock Global Allocation	\$69,027,705	\$0	\$0	\$0	\$0	-\$294,149	\$68,733,557
BlackRock Global Focused	\$49,827,578	\$0	\$0	\$0	\$0	\$2,699	\$49,830,277
Blackrock US Debt	\$0	\$0	\$150,000,000	\$150,000,000	\$0	-\$391,392	\$149,608,608
CA Recovery Fund LLC	\$4,417,615	\$0	\$0	\$0	\$0	\$0	\$4,417,615
Cash/Clearing Account	\$35,624,038	-\$151,657,125	\$151,485,214	-\$171,910	\$0	\$5,905	\$35,458,033
Commonwealth	\$399,017	\$0	\$0	\$0	\$0	\$0	\$399,017
DCM Private Equity II (\$7,500,000)	\$5,616,396	-\$150,199	\$0	-\$150,199	\$0	\$0	\$5,466,197
DTC Private Equity II-Q, L.P. (\$7,500,000)	\$5,226,301	\$0	\$0	\$0	\$0	\$0	\$5,226,301
Energy Opportunities Fund	\$32,503,044	\$0	\$0	\$0	\$0	-\$2,435,686	\$30,067,358
FECF II (\$20,000,000)	\$5,325,362	\$0	\$0	\$0	\$0	\$0	\$5,325,362
FECF III (\$20,000,000)	\$9,334,347	\$0	\$0	\$0	\$0	\$0	\$9,334,347
Fisher All Foreign Equity	\$75,021,499	\$0	\$0	\$0	\$0	-\$339,087	\$74,682,412
GA Crossover Fund (\$25,000,000)	\$13,292,556	\$0	\$0	\$0	\$0	\$0	\$13,292,556
Greenspring Associates (\$9,200,000)	\$6,848,018	-\$2,824,744	\$0	-\$2,824,744	\$0	\$0	\$4,023,274
JP Morgan India (\$8,990,000)	\$5,907,839	-\$55,964	\$0	-\$55,964	\$0	\$0	\$5,851,875
KBI Water Fund	\$22,718,206	\$0	\$0	\$0	-\$12,464	\$291,793	\$23,009,998
Land Baron - FRS (\$25,000,000)	\$4,764,705	\$0	\$0	\$0	\$0	\$0	\$4,764,705
Land Baron - NLTP	\$4,290,000	\$0	\$0	\$0	\$0	\$0	\$4,290,000
Louisiana Asset Management Pool	\$4,367,787	\$0	\$0	\$0	\$0	\$177	\$4,367,964



NEPC, LLC

October 31, 2014



# Firefighters' Retirement System of Louisiana

## Current Monthly Breakdown of Change in Value

October 31, 2014

	Month Ending October 31, 2014						
	Beginning Market Value	Withdrawals	Contributions	Net Cash Flow	Fees	Net Investment Change	Ending Market Value
Louisiana Fund I (\$2,000,000)	\$2,093,790	\$0	\$0	\$0	\$0	\$0	\$2,093,790
LSV International Equity Value	\$76,393,604	\$0	\$0	\$0	\$0	-\$1,040,968	\$75,352,636
Mellon Mid Cap Stock Index Fund	\$20,351,946	\$0	\$0	\$0	-\$522	\$727,362	\$21,079,308
Mellon Small Cap Index Fund	\$19,497,571	\$0	\$0	\$0	-\$515	\$1,290,140	\$20,787,710
Mellon Stock Index Fund	\$275,967,366	\$0	\$0	\$0	-\$6,997	\$6,737,805	\$282,705,172
Murphree Venture (\$2,000,000)	\$1,662,676	\$0	\$0	\$0	\$0	\$0	\$1,662,676
OFI Emerging Markets	\$32,822,096	\$0	\$0	\$0	-\$24,514	\$605,605	\$33,427,701
Orleans Core Fixed Income	\$62,626,040	\$0	\$0	\$0	-\$22,538	\$457,975	\$63,084,016
PIMCO Total Return	\$146,087,411	-\$147,534,107	\$0	-\$147,534,107	\$0	\$1,446,696	\$0
Putnam Risk Parity	\$26,832,614	\$0	\$0	\$0	\$0	\$378,257	\$27,210,871
Sail Sustainable Louisiana Fund (\$15,000,000)	\$3,474,899	\$0	\$0	\$0	\$0	\$0	\$3,474,899
Sail Venture Partners II (\$30,000,000)	\$8,624,229	\$0	\$0	\$0	\$0	\$0	\$8,624,229
Sand Spring Capital III	\$775	\$0	\$0	\$0	\$0	\$0	\$775
Scoggin Fund	\$137,957	\$0	\$0	\$0	\$0	\$0	\$137,957
Sentinel Real Estate Fund (\$30,000,000)	\$31,414,968	-\$445,223	\$0	-\$445,223	\$0	\$0	\$30,969,745
Stone Harbor	\$57,754,565	\$0	\$0	\$0	-\$41,214	\$429,630	\$58,184,195
The Clinton Group Magnolia	\$1,302,842	\$0	\$0	\$0	\$0	\$0	\$1,302,842
Thornburg Global Opportunities	\$61,756,516	\$0	\$0	\$0	\$0	\$1,896,512	\$63,653,028
Timbervest Crossover Fund (\$16,000,000)	\$11,999,107	-\$448,000	\$0	-\$448,000	\$0	\$0	\$11,551,107
Vision Capital - GA (\$9,000,000)	\$5,830,221	\$0	\$0	\$0	\$0	\$0	\$5,830,221
<b>Total</b>	<b>\$1,349,553,686</b>	<b>-\$303,139,121</b>	<b>\$301,485,214</b>	<b>-\$1,653,907</b>	<b>-\$173,744</b>	<b>\$11,275,498</b>	<b>\$1,359,175,278</b>

Beginning Market Value may not match the Ending Market Value of the previous Flash report due to delayed reporting of private investments (private equity and real estate).



NEPC, LLC

October 31, 2014

# Firefighters' Retirement System of Louisiana

## Current Fiscal YTD Breakdown of Change in Value

October 31, 2014

### Total Cash Flow Summary

Fiscal YTD Ending October 31, 2014

	Beginning Market Value	Withdrawals	Contributions	Net Cash Flow	Fees	Net Investment Change	Ending Market Value
Acadian Emerging Markets Equity	\$33,819,625	\$0	\$0	\$0	-\$125,630	-\$653,154	\$33,166,471
Advisory Research SMID	\$47,900,885	\$0	\$0	\$0	-\$98,798	-\$3,363,048	\$44,537,837
AEW Partners VI LP (\$20,000,000)	\$17,504,799	\$0	\$0	\$0	\$0	\$0	\$17,504,799
Americus Fund II (\$13,168,000)	\$13,458,599	-\$23,760	\$0	-\$23,760	\$0	\$0	\$13,434,839
AQR Global Risk Premium – EL	\$42,053,295	\$0	\$0	\$0	\$0	-\$804,298	\$41,248,997
Blackrock Global Allocation	\$69,609,499	\$0	\$119,485	\$119,485	-\$119,485	-\$995,427	\$68,733,557
BlackRock Global Focused	\$49,751,231	\$0	\$0	\$0	-\$49,701	\$79,046	\$49,830,277
Blackrock US Debt	--	\$0	\$150,000,000	\$150,000,000	\$0	-\$391,392	\$149,608,608
CA Recovery Fund LLC	\$4,448,816	\$0	\$0	\$0	\$0	-\$31,201	\$4,417,615
Cash/Clearing Account	\$22,410,984	-\$159,795,312	\$172,833,838	\$13,038,526	\$0	\$8,523	\$35,458,033
Commonwealth	\$399,017	\$0	\$0	\$0	\$0	\$0	\$399,017
DCM Private Equity II (\$7,500,000)	\$5,616,396	-\$150,199	\$0	-\$150,199	\$0	\$0	\$5,466,197
DTC Private Equity II-Q, L.P. (\$7,500,000)	\$5,226,301	\$0	\$0	\$0	\$0	\$0	\$5,226,301
Energy Opportunities Fund	\$37,043,910	\$0	\$0	\$0	-\$92,610	-\$6,976,552	\$30,067,358
FECF II (\$20,000,000)	\$5,325,362	\$0	\$0	\$0	\$0	\$0	\$5,325,362
FECF III (\$20,000,000)	\$9,334,347	\$0	\$0	\$0	\$0	\$0	\$9,334,347
Fisher All Foreign Equity	\$79,900,691	\$0	\$0	\$0	-\$119,599	-\$5,218,279	\$74,682,412
GA Crossover Fund (\$25,000,000)	\$13,292,556	\$0	\$0	\$0	\$0	\$0	\$13,292,556
Greenspring Associates (\$9,200,000)	\$6,848,018	-\$2,824,744	\$0	-\$2,824,744	\$0	\$0	\$4,023,274
JP Morgan India (\$8,990,000)	\$5,907,839	-\$55,964	\$0	-\$55,964	\$0	\$0	\$5,851,875
KBI Water Fund	\$24,206,185	\$0	\$0	\$0	-\$50,172	-\$1,196,186	\$23,009,998
Land Baron - FRS (\$25,000,000)	\$4,764,705	\$0	\$0	\$0	\$0	\$0	\$4,764,705
Land Baron - NLTP	\$4,290,000	\$0	\$0	\$0	\$0	\$0	\$4,290,000
Louisiana Asset Management Pool	\$4,367,466	\$0	\$0	\$0	\$0	\$498	\$4,367,964
Louisiana Fund I (\$2,000,000)	\$2,093,790	\$0	\$0	\$0	\$0	\$0	\$2,093,790



NEPC, LLC

October 31, 2014



# Firefighters' Retirement System of Louisiana

## Current Fiscal YTD Breakdown of Change in Value

October 31, 2014

### Fiscal YTD Ending October 31, 2014

	Beginning Market Value	Withdrawals	Contributions	Net Cash Flow	Fees	Net Investment Change	Ending Market Value
LSV International Equity Value	\$80,367,998	\$0	\$0	\$0	-\$141,689	-\$5,015,362	\$75,352,636
Mellon Mid Cap Stock Index Fund	\$21,194,643	\$0	\$0	\$0	-\$2,055	-\$115,335	\$21,079,308
Mellon Small Cap Index Fund	\$21,042,652	\$0	\$0	\$0	-\$2,000	-\$254,942	\$20,787,710
Mellon Stock Index Fund	\$282,862,511	-\$10,000,000	\$0	-\$10,000,000	-\$27,415	\$9,842,661	\$282,705,172
Murphree Venture (\$2,000,000)	\$1,662,676	\$0	\$0	\$0	\$0	\$0	\$1,662,676
OFI Emerging Markets	\$33,999,188	\$0	\$0	\$0	-\$99,049	-\$571,487	\$33,427,701
Orleans Core Fixed Income	\$62,804,358	\$0	\$0	\$0	-\$45,129	\$279,657	\$63,084,016
PIMCO Total Return	\$146,618,322	-\$147,534,107	\$0	-\$147,534,107	-\$168,443	\$915,785	\$0
Putnam Risk Parity	\$27,730,975	\$0	\$0	\$0	\$0	-\$520,104	\$27,210,871
Sail Sustainable Louisiana Fund (\$15,000,000)	\$3,474,899	\$0	\$0	\$0	\$0	\$0	\$3,474,899
Sail Venture Partners II (\$30,000,000)	\$8,624,229	\$0	\$0	\$0	\$0	\$0	\$8,624,229
Sand Spring Capital III	\$775	\$0	\$0	\$0	\$0	\$0	\$775
Scoggin Fund	\$134,784	\$0	\$0	\$0	\$0	\$3,173	\$137,957
Sentinel Real Estate Fund (\$30,000,000)	\$31,414,968	-\$445,223	\$0	-\$445,223	\$0	\$0	\$30,969,745
Stone Harbor	\$61,620,369	\$0	\$0	\$0	-\$168,463	-\$3,436,174	\$58,184,195
The Clinton Group Magnolia	\$1,302,842	\$0	\$0	\$0	\$0	\$0	\$1,302,842
Thornburg Global Opportunities	\$63,355,030	\$0	\$0	\$0	-\$95,395	\$297,998	\$63,653,028
Timbervest Crossover Fund (\$16,000,000)	\$11,999,107	-\$448,000	\$0	-\$448,000	\$0	\$0	\$11,551,107
Vision Capital - GA (\$9,000,000)	\$5,830,221	\$0	\$0	\$0	\$0	\$0	\$5,830,221
<b>Total</b>	<b>\$1,375,614,863</b>	<b>-\$321,277,309</b>	<b>\$322,953,323</b>	<b>\$1,676,014</b>	<b>-\$1,405,633</b>	<b>-\$18,115,600</b>	<b>\$1,359,175,278</b>

Beginning Market Value may not match the Ending Market Value of the previous Flash report due to delayed reporting of private investments (private equity and real estate).



NEPC, LLC

October 31, 2014

## Reporting Methodology

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





## Information Disclaimer

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

