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Firefighters' Retirement System of Louisiana

Second Quarter, 2015 Real Estate Review

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NEPC, LLC

November, 2015

Firefighters' Retirement System of Louisiana

RE: Real Estate Strategy – 2nd Quarter 2015

Dear Members,

We are pleased to present the June 30, 2015 Private Markets Real Estate Report for the Firefighters' Retirement System of Louisiana. The report provides a variety of performance analysis for the overall portfolio. The reports include trailing performance, performance by investment stage and vintage year performance.

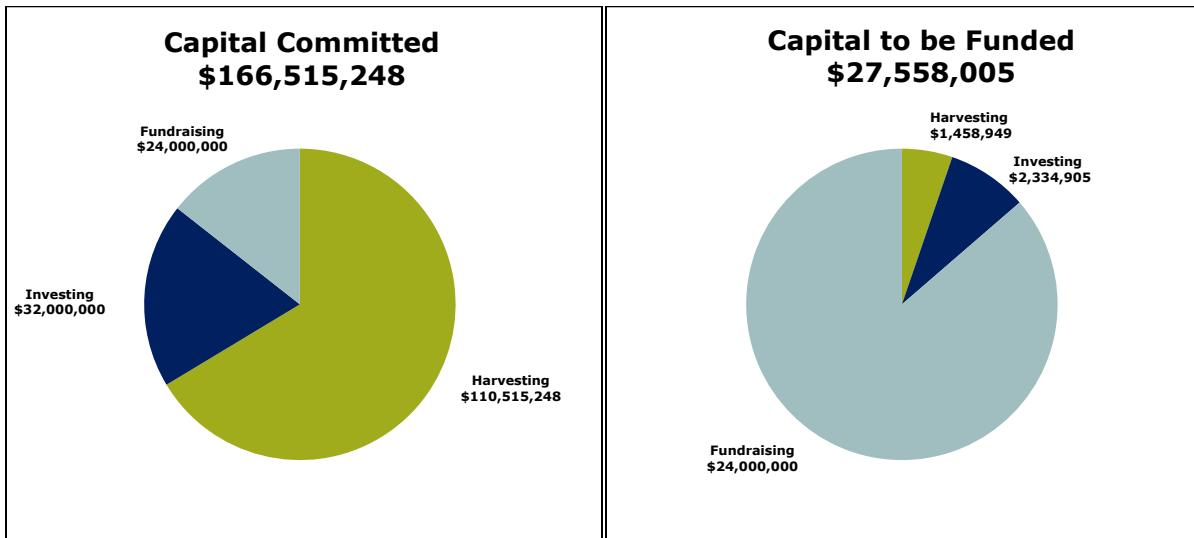
The Real Estate portfolio of Firefighters' Retirement System of Louisiana experienced a positive quarter, having a nominal IRR of 1.59%. The IRR since inception is 0.60%. The overall multiple (current valuation plus cumulative distributions, divided by total capital calls) is 1.03.

The following table presents the status of the Real Estate portfolio as of June 30, 2015:

Commitments	Terminated Commitments	Amount Funded	Amount Distributed	Reported Value	Call Ratio	Distribution Ratio
\$166,515,248	\$0	\$139,373,318	\$41,003,289	\$102,794,048	83.70%	29.42%
Unfunded Commitments	Market Exposure (Reported Value + Unfunded Commitments)	Total Fund Composite as of 6/30/2015	Alternative Assets Target	Reported Value as a % of Total Fund	Market Exposure as a % Total Fund	
\$27,558,005	\$130,352,053	\$1,377,887,844	8%*	7.46%	9.5%	
Total Value (Reported Value + Distributions)	Total Value To Paid In Capital	Internal Rate of Return IRR, Since Inception (December 2005)				
\$143,797,337	1.03	0.60%				



As of June 30, 2015, the Firefighters' Retirement System of Louisiana had commitments totaling \$166.52 million to 12 real estate funds. Of the 12 funds in the real estate portfolio, 2 are in the investing stage, 8 are in the harvesting stage, and 2 are in the fundraising stage. The following charts illustrate the program's current life cycle:

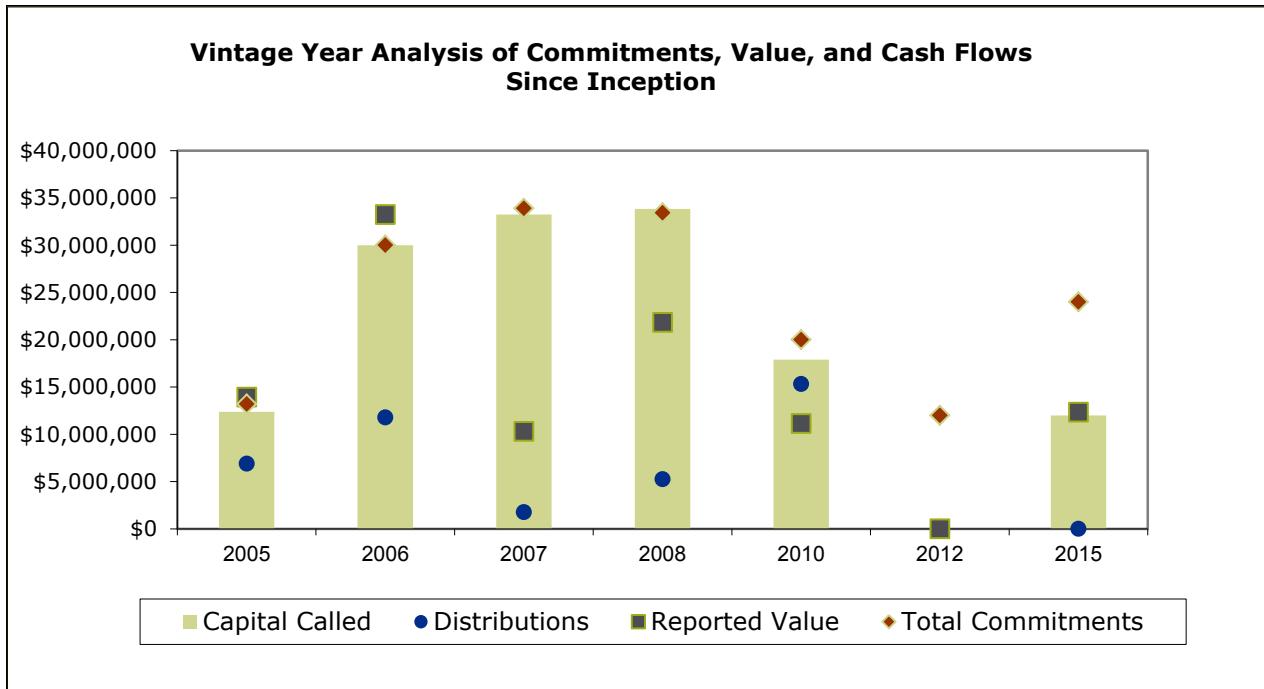


The following chart illustrates the commitment history of the Firefighters' Retirement System of Louisiana private markets program through the quarter end:





The following chart provides an analysis of the vintage year performance comparing the capital calls to the distributions and reported value:

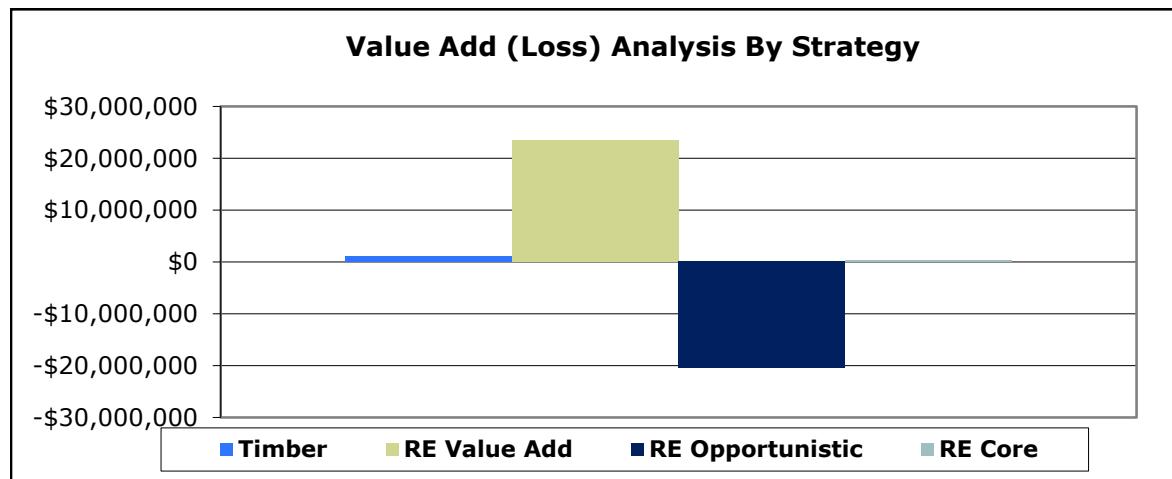


During the quarter-ended June 30, 2015, 2 funds in the Firefighters' Retirement System of Louisiana Real Estate portfolio drew capital, and 2 funds made a distribution. The summary of the cash flow follows:

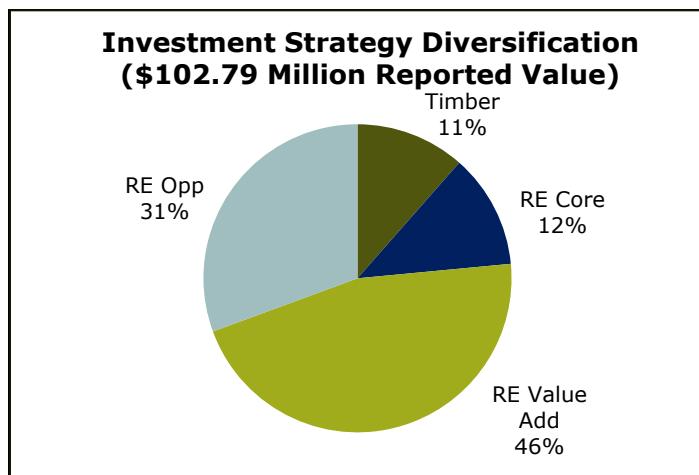
Calls & Expenses Funded for the Quarter	Number of Funds Calling Capital & Expenses	Distributions for the Quarter	Number of Funds Making Distributions	Net Cash/Stock Flows for the Quarter
\$12,235,849	2	\$471,120	2	(\$11,764,729)



Since inception the Real Estate program has gained \$4.42 million in value for the Firefighters' Retirement System of Louisiana. Timber added \$1.05 million RE Core added \$0.35 million, and RE Value added \$23.47 million. RE Opportunistic has lost (\$20.45) million.



As of June 30, 2015, the 9 Real Estate funds in the Firefighters' Retirement System of Louisiana portfolio had the following investment strategy diversification by the investment funds' reported values:



We thank you for the opportunity to work with the Firefighters' Retirement System of Louisiana and look forward to continued success in the future.

Best regards,

David Barnes, CFA
Senior Consultant

Firefighters' Retirement System of Louisiana
Executive Summary IRR Performance Report

6/30/2015

Investment	Vintage Year	Commitment	Qtr TD	YTD	1 Year	3 Year	5 Year	Inception
AEW Core Property Trust	2015	12,000,000	N/A	N/A	N/A	N/A	N/A	2.89
AEW Partners VI	2010	20,000,000	1.51	4.66	17.69	19.05	15.74	14.67
Americus Real Estate Fund II, Ltd.	2005	13,200,000	1.58	2.27	5.70	8.54	18.12	8.77
ASB Allegiance Real Estate Fund	2012	12,000,000	N/A	N/A	N/A	N/A	N/A	N/A
FRS-GA (Georgia)	2008	9,000,000	0.98	0.98	0.98	-4.46	-3.11	-9.49
FRS-LB I (NLTP AZ)	2007	24,900,208	4.48	4.48	4.48	1.47	-25.78	-25.63
FRS-LB II (SMT AZ)	2008	3,779,000	N/A	N/A	N/A	-100.00	-100.00	-100.00
FRS-LB III (ST George UT)	2008	4,646,040	0.02	0.02	0.02	0.01	-1.04	1.84
Heitman America Real Estate Trust, L.P.	2015	12,000,000	N/A	N/A	N/A	N/A	N/A	N/A
JP Morgan India Property Fund	2007	8,990,000	-1.71	1.32	0.77	-0.50	1.50	-1.81
Sentinel Real Estate Fund	2006	30,000,000	2.53	5.50	11.25	17.22	20.07	5.19
Timbervest Crossover Partners II, L.P.	2008	16,000,000	-0.90	1.30	2.19	0.62	1.63	1.45
Total: Firefighters' Retirement System of Louisiana		166,515,248	1.59	3.63	7.95	9.25	5.16	0.60

Composite IRRs include all flows of the selected investments regardless of the start date of the investment.
 "N/A" will be displayed if the investment has insufficient cash flows for the period

Firefighters' Retirement System of Louisiana
Performance Analysis

6/30/2015

Partnership Name	Vintage Year	Commitment	Paid In Capital	Capital To Be Funded	Additional Fees	Cumulative Distributions	Valuation	Total Value	Net Benefit	Call Ratio	DPI Ratio	TVPI Ratio	IRR
1 AEW Core Property Trust	2015	12,000,000	12,000,000	0	0	0	12,346,555	12,346,555	346,555	100 %	0.00	1.03	2.89 %
2 AEW Partners VI	2010	20,000,000	17,900,944	2,099,056	0	15,317,048	11,129,720	26,446,768	8,545,824	90 %	0.86	1.48	14.67 %
3 Americus Real Estate Fund II, Ltd.	2005	13,200,000	12,381,374	818,626	0	6,893,244	13,932,416	20,825,660	8,444,286	94 %	0.56	1.68	8.77 %
4 ASB Allegiance Real Estate Fund	2012	12,000,000	0	12,000,000	0	0	0	0	0	0 %	0.00	N/A	N/A
5 FRS-GA (Georgia)	2008	9,000,000	9,416,075	0	0	0	4,754,758	4,754,758	-4,661,317	105 %	0.00	0.50	-9.49 %
6 FRS-LB I (NLTP AZ)	2007	24,900,208	24,900,208	0	0	0	4,482,019	4,482,019	-20,418,189	100 %	0.00	0.18	-25.63 %
7 FRS-LB II (SMT AZ)	2008	3,779,000	3,779,000	0	0	0	0	0	-3,779,000	100 %	0.00	0.00	-100.00 %
8 FRS-LB III (ST George UT)	2008	4,646,040	4,646,040	0	0	0	5,277,740	5,277,740	631,700	100 %	0.00	1.14	1.84 %
9 Heitman America Real Estate Trust, I	2015	12,000,000	0	12,000,000	0	0	0	0	0	0 %	0.00	N/A	N/A
10 JP Morgan India Property Fund	2007	8,990,000	8,349,677	640,323	0	1,760,146	5,821,440	7,581,587	-768,090	93 %	0.21	0.91	-1.81 %
11 Sentinel Real Estate Fund	2006	30,000,000	30,000,000	0	0	11,784,850	33,242,987	45,027,837	15,027,837	100 %	0.39	1.50	5.19 %
12 Timbervest Crossover Partners II, L.F	2008	16,000,000	16,000,000	0	0	5,248,000	11,806,413	17,054,413	1,054,413	100 %	0.33	1.07	1.45 %
12 Total Partnerships		166,515,248	139,373,318	27,558,005	0	41,003,289	102,794,048	143,797,337	4,424,019	84 %	0.29	1.03	0.60 %

** Indicates Estimated Valuation for the fund

Firefighters' Retirement System of Louisiana

Lifecycle Performance Analysis

6/30/2015

Partnership Name	Vintage Year	Commitment	Paid In Capital	Capital To Be Funded	Additional Fees	Cumulative Distributions	Valuation	Total Value	Net Benefit	Call Ratio	DPI Ratio	TVPI Ratio	IRR
1 Fundraising													
1 ASB Allegiance Real Estate Fund	2012	12,000,000	0	12,000,000	0	0	0	0	0	0 %	0.00	N/A	N/A
2 Heitman America Real Estate Trust, L.F.	2015	12,000,000	0	12,000,000	0	0	0	0	0	0 %	0.00	N/A	N/A
1 Fundraising Subtotal		24,000,000	0	24,000,000	0	0	0	0	0	0 %	0.00	N/A	N/A
2 Investing													
3 AEW Core Property Trust	2015	12,000,000	12,000,000	0	0	0	12,346,555	12,346,555	346,555	100 %	0.00	1.03	2.89 %
4 AEW Partners VI	2010	20,000,000	17,900,944	2,099,056	0	15,317,048	11,129,720	26,446,768	8,545,824	90 %	0.86	1.48	14.67 %
2 Investing Subtotal		32,000,000	29,900,944	2,099,056	0	15,317,048	23,476,275	38,793,323	8,892,379	93 %	0.51	1.30	14.67 %
3 Harvesting													
5 Americus Real Estate Fund II, Ltd.	2005	13,200,000	12,381,374	818,626	0	6,893,244	13,932,416	20,825,660	8,444,286	94 %	0.56	1.68	8.77 %
6 FRS-GA (Georgia)	2008	9,000,000	9,416,075	0	0	0	4,754,758	4,754,758	-4,661,317	105 %	0.00	0.50	-9.49 %
7 FRS-LB I (NLTP AZ)	2007	24,900,208	24,900,208	0	0	0	4,482,019	4,482,019	-20,418,189	100 %	0.00	0.18	-25.63 %
8 FRS-LB III (ST George UT)	2008	4,646,040	4,646,040	0	0	0	5,277,740	5,277,740	631,700	100 %	0.00	1.14	1.84 %
9 JP Morgan India Property Fund	2007	8,990,000	8,349,677	640,323	0	1,760,146	5,821,440	7,581,587	-768,090	93 %	0.21	0.91	-1.81 %
10 Sentinel Real Estate Fund	2006	30,000,000	30,000,000	0	0	11,784,850	33,242,987	45,027,837	15,027,837	100 %	0.39	1.50	5.19 %
11 Timbervest Crossover Partners II, L.P.	2008	16,000,000	16,000,000	0	0	5,248,000	11,806,413	17,054,413	1,054,413	100 %	0.33	1.07	1.45 %
3 Harvesting Subtotal		106,736,248	105,693,374	1,458,949	0	25,686,241	79,317,773	105,004,014	-689,360	99 %	0.24	0.99	-0.11 %
5 Completed													
12 FRS-LB II (SMT AZ)	2008	3,779,000	3,779,000	0	0	0	0	0	-3,779,000	100 %	0.00	0.00	-100.00 %
5 Completed Subtotal		3,779,000	3,779,000	0	0	0	0	0	-3,779,000	100 %	0.00	0.00	-100.00 %
12 Total Partnerships		166,515,248	139,373,318	27,558,005	0	41,003,289	102,794,048	143,797,337	4,424,019	84 %	0.29	1.03	0.60 %

Firefighters' Retirement System of Louisiana

Vintage Year Performance Analysis

6/30/2015

Partnership Name	Vintage Year	Commitment	Paid In Capital	Capital To Be Funded	Additional Fees	Cumulative Distributions	Valuation	Total Value	Net Benefit	Call Ratio	DPI Ratio	TVPI Ratio	IRR
2005													
1 Americus Real Estate Fund II, Ltd.	2005	13,200,000	12,381,374	818,626	0	6,893,244	13,932,416	20,825,660	8,444,286	94 %	0.56	1.68	8.77 %
2005 Subtotal		13,200,000	12,381,374	818,626	0	6,893,244	13,932,416	20,825,660	8,444,286	94 %	0.56	1.68	8.77 %
2006													
2 Sentinel Real Estate Fund	2006	30,000,000	30,000,000	0	0	11,784,850	33,242,987	45,027,837	15,027,837	100 %	0.39	1.50	5.19 %
2006 Subtotal		30,000,000	30,000,000	0	0	11,784,850	33,242,987	45,027,837	15,027,837	100 %	0.39	1.50	5.19 %
2007													
3 FRS-LB I (NLTP AZ)	2007	24,900,208	24,900,208	0	0	0	4,482,019	4,482,019	-20,418,189	100 %	0.00	0.18	-25.63 %
4 JP Morgan India Property Fund	2007	8,990,000	8,349,677	640,323	0	1,760,146	5,821,440	7,581,587	-768,090	93 %	0.21	0.91	-1.81 %
2007 Subtotal		33,890,208	33,249,885	640,323	0	1,760,146	10,303,459	12,063,606	-21,186,279	98 %	0.05	0.36	-16.68 %
2008													
5 FRS-GA (Georgia)	2008	9,000,000	9,416,075	0	0	0	4,754,758	4,754,758	-4,661,317	105 %	0.00	0.50	-9.49 %
6 FRS-LB II (SMT AZ)	2008	3,779,000	3,779,000	0	0	0	0	0	-3,779,000	100 %	0.00	0.00	-100.00 %
7 FRS-LB III (ST George UT)	2008	4,646,040	4,646,040	0	0	0	5,277,740	5,277,740	631,700	100 %	0.00	1.14	1.84 %
8 Timbervest Crossover Partners II, L.P.	2008	16,000,000	16,000,000	0	0	5,248,000	11,806,413	17,054,413	1,054,413	100 %	0.33	1.07	1.45 %
2008 Subtotal		33,425,040	33,841,115	0	0	5,248,000	21,838,911	27,086,911	-6,754,204	100 %	0.16	0.80	-3.89 %
2010													
9 AEW Partners VI	2010	20,000,000	17,900,944	2,099,056	0	15,317,048	11,129,720	26,446,768	8,545,824	90 %	0.86	1.48	14.67 %
2010 Subtotal		20,000,000	17,900,944	2,099,056	0	15,317,048	11,129,720	26,446,768	8,545,824	90 %	0.86	1.48	14.67 %
2012													
10 ASB Allegiance Real Estate Fund	2012	12,000,000	0	12,000,000	0	0	0	0	0	0 %	0.00	N/A	N/A
2012 Subtotal		12,000,000	0	12,000,000	0	0	0	0	0	0 %	0.00	N/A	N/A
2015													
11 AEW Core Property Trust	2015	12,000,000	12,000,000	0	0	0	12,346,555	12,346,555	346,555	100 %	0.00	1.03	2.89 %
12 Heitman America Real Estate Trust, L.F	2015	12,000,000	0	12,000,000	0	0	0	0	0	0 %	0.00	N/A	N/A
2015 Subtotal		24,000,000	12,000,000	12,000,000	0	0	12,346,555	12,346,555	346,555	50 %	0.00	1.03	2.89 %
12 Total Partnerships		166,515,248	139,373,318	27,558,005	0	41,003,289	102,794,048	143,797,337	4,424,019	84 %	0.29	1.03	0.60 %

Firefighters' Retirement System of Louisiana
Investment Strategy Performance Analysis

6/30/2015

Partnership Name	Vintage Year	Commitment	Paid In Capital	Capital To Be Funded	Additional Fees	Cumulative Distributions	Valuation	Total Value	Net Benefit	Call Ratio	DPI Ratio	TVPI Ratio	IRR
501 Timber													
1 Timbervest Crossover Partners II, L.P.	2008	16,000,000	16,000,000	0	0	5,248,000	11,806,413	17,054,413	1,054,413	100 %	0.33	1.07	1.45 %
501 Timber Subtotal		16,000,000	16,000,000	0	0	5,248,000	11,806,413	17,054,413	1,054,413	100 %	0.33	1.07	1.45 %
610 RE Core													
1 AEW Core Property Trust	2015	12,000,000	12,000,000	0	0	0	12,346,555	12,346,555	346,555	100 %	0.00	1.03	2.89 %
2 ASB Allegiance Real Estate Fund	2012	12,000,000	0	12,000,000	0	0	0	0	0	0 %	0.00	N/A	N/A
3 Heitman America Real Estate Trust, L.F	2015	12,000,000	0	12,000,000	0	0	0	0	0	0 %	0.00	N/A	N/A
610 RE Core Subtotal		36,000,000	12,000,000	24,000,000	0	0	12,346,555	12,346,555	346,555	33 %	0.00	1.03	2.89 %
615 RE Value Add													
1 Americus Real Estate Fund II, Ltd.	2005	13,200,000	12,381,374	818,626	0	6,893,244	13,932,416	20,825,660	8,444,286	94 %	0.56	1.68	8.77 %
2 Sentinel Real Estate Fund	2006	30,000,000	30,000,000	0	0	11,784,850	33,242,987	45,027,837	15,027,837	100 %	0.39	1.50	5.19 %
615 RE Value Add Subtotal		43,200,000	42,381,374	818,626	0	18,678,094	47,175,403	65,853,497	23,472,123	98 %	0.44	1.55	6.07 %
630 RE Opportunistic													
1 AEW Partners VI	2010	20,000,000	17,900,944	2,099,056	0	15,317,048	11,129,720	26,446,768	8,545,824	90 %	0.86	1.48	14.67 %
2 FRS-GA (Georgia)	2008	9,000,000	9,416,075	0	0	0	4,754,758	4,754,758	-4,661,317	105 %	0.00	0.50	-9.49 %
3 FRS-LB I (NLTP AZ)	2007	24,900,208	24,900,208	0	0	0	4,482,019	4,482,019	-20,418,189	100 %	0.00	0.18	-25.63 %
4 FRS-LB II (SMT AZ)	2008	3,779,000	3,779,000	0	0	0	0	0	-3,779,000	100 %	0.00	0.00	-100.00 %
5 FRS-LB III (ST George UT)	2008	4,646,040	4,646,040	0	0	0	5,277,740	5,277,740	631,700	100 %	0.00	1.14	1.84 %
6 JP Morgan India Property Fund	2007	8,990,000	8,349,677	640,323	0	1,760,146	5,821,440	7,581,587	-768,090	93 %	0.21	0.91	-1.81 %
630 RE Opportunistic Subtotal		71,315,248	68,991,944	2,739,379	0	17,077,194	31,465,677	48,542,872	-20,449,072	97 %	0.25	0.70	-6.75 %
12 Total Partnerships		166,515,248	139,373,318	27,558,005	0	41,003,289	102,794,048	143,797,337	4,424,019	84 %	0.29	1.03	0.60 %

Firefighters' Retirement System of Louisiana

Transaction Summary

4/1/2015 - 6/30/2015

Date	Funding	Additional Fees	Cash	Stock	Net Cash Flow
AEW Core Property Trust					
4/15/2015	12,000,000.00				12,000,000.00
Total: AEW Core Property Trust	12,000,000.00				12,000,000.00
 AEW Partners VI					
4/27/2015	235,849.00				235,849.00
Total: AEW Partners VI	235,849.00				235,849.00
 Americus Real Estate Fund II, Ltd.					
4/16/2015		23,760.00			-23,760.00
5/15/2015		23,760.00			-47,520.00
6/10/2015		23,760.00			-71,280.00
Total: Americus Real Estate Fund II, Ltd.		71,280.00			-71,280.00
 Sentinel Real Estate Fund					
4/16/2015		399,840.35			-399,840.35
Total: Sentinel Real Estate Fund		399,840.35			-399,840.35
 Total: Firefighters' Retirement System of Louisiana					
	12,235,849.00		471,120.35		11,764,728.65
Total:	12,235,849.00		471,120.35		11,764,728.65