INVESTMENT MARKET UPDATE

(AS OF MAY 31, 2019)



Firefighters' Retirement System of Louisiana

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CALENDAR YEAR INDEX PERFORMANCE

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	Q1	Apr	May	YTD
S&P 500	26.5%	15.1%	2.1%	16.0%	32.4%	13.7%	1.4%	12.0%	21.8%	-4.4%	13.6%	4.0%	-6.4%	10.7%
Russell 1000	28.4%	16.1%	1.5%	16.4%	33.1%	13.2%	0.9%	12.1%	21.7%	-4.8%	14.0%	4.0%	-6.4%	11.0%
Russell 2000	27.2%	26.9%	-4.2%	16.3%	38.8%	4.9%	-4.4%	21.3%	14.6%	-11.0%	14.6%	3.4%	-7.8%	9.3%
Russell 2500	34.4%	26.7%	-2.5%	17.9%	36.8%	7.1%	-2.9%	17.6%	16.8%	-10.0%	15.8%	3.5%	-7.1%	11.3%
MSCI EAFE	31.8%	7.8%	-12.1%	17.3%	22.8%	-4.9%	-0.8%	1.0%	25.0%	-13.8%	10.0%	2.8%	-4.8%	7.6%
MSCI EM	78.5%	18.9%	-18.4%	18.2%	-2.6%	-2.2%	-14.9%	11.2%	37.3%	-14.6%	9.9%	2.1%	-7.3%	4.1%
MSCI ACWI	34.6%	12.7%	-7.3%	16.1%	22.8%	4.2%	-2.4%	7.9%	24.0%	-9.4%	12.2%	3.4%	-5.9%	9.1%
Private Equity*	13.7%	19.7%	7.9%	12.5%	20.6%	12.7%	9.6%	8.3%	13.7%	11.6%	-	-	-	-
BC TIPS	11.4%	6.3%	13.6%	7.0%	-8.6%	3.6%	-1.4%	4.7%	3.0%	-1.3%	3.2%	0.3%	1.7%	5.2%
BC Municipal Bond	12.9%	2.4%	10.7%	6.8%	-2.6%	9.1%	3.3%	0.2%	5.4%	1.3%	2.9%	0.4%	1.4%	4.7%
BC Muni High Yield	32.7%	7.8%	9.2%	18.1%	-5.5%	13.8%	1.8%	3.0%	9.7%	4.8%	3.8%	0.6%	1.6%	6.1%
BC US Corp High Yield	58.2%	15.1%	5.0%	15.8%	7.4%	2.5%	-4.5%	17.1%	7.5%	-2.1%	7.3%	1.4%	-1.2%	7.5%
BC US Aggregate	5.9%	6.5%	7.8%	4.2%	-2.0%	6.0%	0.5%	2.6%	3.5%	0.0%	2.9%	0.0%	1.8%	4.8%
BC Global Aggregate	2.6%	5.2%	6.4%	1.6%	-4.0%	-0.5%	-3.6%	1.6%	7.5%	-1.2%	2.2%	-0.3%	1.4%	3.3%
BC Long Treasuries	-12.9%	9.4%	29.9%	3.6%	-12.7%	25.1%	-1.2%	1.3%	8.5%	-1.8%	4.7%	-1.8%	6.5%	9.5%
BC US Long Credit	16.8%	10.7%	17.1%	12.7%	-6.6%	16.4%	-4.6%	10.2%	12.2%	-6.8%	7.9%	0.6%	2.4%	11.1%
BC US STRIPS 20+ Yr	-36.0%	10.9%	58.5%	3.0%	-21.0%	46.4%	-3.7%	1.4%	13.7%	-4.1%	6.3%	-2.8%	9.6%	13.2%
JPM GBI-EM Glob Div	22.0%	15.7%	-1.8%	16.8%	-9.0%	-5.7%	-14.9%	9.9%	15.2%	-6.2%	2.9%	-0.2%	0.3%	3.0%
JPM EMBI Glob Div	29.8%	12.2%	7.3%	17.4%	-5.3%	7.4%	1.2%	10.2%	10.1%	-4.3%	7.0%	0.2%	0.4%	7.7%
CS Leveraged Loan	44.9%	10.0%	1.8%	9.4%	6.2%	2.1%	-0.4%	9.9%	4.2%	1.1%	3.8%	1.6%	-0.2%	5.2%
CS Hedge Fund	18.6%	10.9%	-2.5%	7.7%	9.7%	4.1%	-0.7%	1.2%	7.1%	-3.2%	4.0%	1.4%	-	5.4%
BBG Commodity	18.9%	16.8%	-13.3%	-1.1%	-9.5%	-17.0%	-24.7%	11.8%	1.7%	-11.2%	6.3%	-0.4%	-3.4%	2.3%
Alerian MLP	76.4%	35.9%	13.9%	4.8%	27.6%	4.8%	-32.6%	18.3%	-6.5%	-12.4%	16.8%	-1.3%	-1.1%	13.9%
FTSE NAREIT Eqy REITs	28.0%	28.0%	8.3%	18.1%	2.5%	30.1%	3.2%	8.5%	5.2%	-4.6%	16.3%	-0.2%	0.2%	16.3%

Source: Bloomberg, Barclays, Alerian, Nareit, MSCI, JP Morgan, Credit Suisse, Thomson One *Private Equity return represents calendar year pooled IRR and is subject to a one quarter lag



MARKET COMMENTARY - MAY 2019

Market Environment

It appears markets were ready to take off for the summer as the "sell in May and go away" adage took effect. Equities declined across the board amid renewed concerns around US trade policy. The S&P 500 Index came off its record high, losing 6.4% in May; emerging market equities lost even more, falling 7.3%, according to the MSCI Emerging Markets Index, as a stronger US dollar also took a bite out of returns.

The flight-to-quality led to a decline in global yields and a subsequent rally in safe-haven assets. In the US, 10- and 30-year Treasuries declined 36 and 35 basis points, respectively. The movement in longer-dated yields caused parts of the yield curve to invert – specifically at the 10-year, 3-month and 10-year, 1-year points. As a result, the Barclays US Treasury Index and Barclays Long Treasury Index increased 2.4% and 6.5%, respectively, during the month. In credit, spreads widened with the Barclays US High Yield Index experiencing the largest change, increasing 75 basis points to 4.33%, leading to a monthly decline of 1.2%.

Within real assets, spot WTI Crude Oil reversed recent gains, falling 16.2% to \$54 amid concerns on the potential impact of tariffs on the demand for oil. Despite its losses in May, WTI Crude Oil is up 18.5% for the year.

We believe volatility is likely here to stay as the US administration revisits the issue of tariffs and the economy advances to the late stage of the market cycle. To this end, we remind clients to stay committed to a risk-balanced approach and to evaluate market opportunities should larger short-term dislocations occur.



INVESTMENT PERFORMANCE FLASH REPORT

Investment Performance Summary - Net of Fees												
	Market Value (\$)	Policy %	% of Portfolio	1 Mo (%)	YTD (%)	Fiscal YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Total Plan Composite	1,664,455,911	100.0	100.0	-3.3	6.1	-0.3	-0.9	6.7	3.6	6.1	5.6	Sep-92
Policy Index				-3.2	6.8	1.1	0.9	7.7	5.3			Sep-92
Allocation Index				-2.9	6.7	1.3	1.1	7.6	5.0			Sep-92
Total Equity Composite	790,295,078	54.0	47.5	-7.0	7.7	-4.1	-5.1	7.8	4.3	9.8	7.0	Sep-92
MSCI ACWI				-5.9	9.1	-0.8	-1.3	9.1	5.2	9.4	7.3	Sep-92
Domestic Equity Composite	355,887,776	22.0	21.4	-6.9	10.1	-1.1	-0.6	9.4	6.7	12.1	7.6	Sep-92
Russell 3000				-6.5	10.9	1.8	2.5	11.5	9.2	13.9	9.6	Sep-92
Mellon Stock Index Fund	271,511,647		16.3	-6.4	10.7	3.1	3.7	11.7	9.6		10.6	Nov-13
S&P 500				-6.4	10.7	3.1	3.8	11.7	9.7	13.9	10.6	Nov-13
SMID Cap Composite	84,376,095	-	5.1	-8.5	8.1	-8.6	-8.2	6.8	3.5		7.6	Oct-12
Russell 2500				-7.1	11.3	-5.0	-4.3	9.8	7.2	13.8	11.1	Oct-12
Rothschild U.S. SMID Core	43,047,681		2.6	-7.0	9.0	-6.6	-5.7	8.8			5.3	Jul-15
Russell 2500				-7.1	11.3	-5.0	-4.3	9.8	7.2	13.8	6.4	Jul-15
QMA SMID	41,328,414		2.5	-10.1	7.2						-12.6	Aug-18
Russell 2500				-7.1	11.3	-5.0	-4.3	9.8	7.2	13.8	-6.8	Aug-18
International Equity Composite	197,916,608	16.0	11.9	-6.7	6.6	-5.4	-7.5	6.6	1.7		5.1	Oct-12
MSCI ACWI ex USA				-5.4	7.2	-4.5	-6.3	6.7	1.3	5.8	4.6	Oct-12
LSV International Equity Value	97,550,720		5.9	-6.2	4.6	-6.4	-9.6	6.5	1.4	6.9	5.2	Oct-04
MSCI Custom Benchmark				-5.4	7.2	-4.5	-6.3	6.7	1.3	5.7	4.7	Oct-04
Fisher All Foreign Equity	100,365,888		6.0	-7.3	8.7	-4.5	-5.5	6.8	2.1	7.2	6.2	Oct-04
MSCI ACWI ex USA				-5.4	7.2	-4.5	-6.3	6.7	1.3	5.8	5.5	Oct-04
Global Equity Composite	149,577,223	10.0	9.0	-8.2	5.6	-8.6	-9.7	4.8	2.6		7.7	Oct-12
MSCI ACWI				-5.9	9.1	-0.8	-1.3	9.1	5.2	9.4	8.3	Oct-12
Thornburg Global Opportunities	56,402,137		3.4	-10.1	7.1	-11.8	-13.6	2.5	2.7	10.0	9.2	Oct-04
MSCI ACWI				-5.9	9.1	-0.8	-1.3	9.1	5.2	9.4	6.8	Oct-04
Boston Partners Global Equity	93,167,080		5.6	-7.0	4.8	-6.6	-7.1				6.4	Nov-16
MSCI ACWI				-5.9	9.1	-0.8	-1.3	9.1	5.2	9.4	9.4	Nov-16
Emerging Markets Equity	86,913,470	6.0	5.2	-6.4	4.6	-6.5	-11.3	9.1	0.9		1.6	Oct-13
MSCI Emerging Markets				-7.3	4.1	-4.7	-8.7	9.9	1.8	5.0	2.5	Oct-13
Acadian Emerging Markets Equity	57,345,286		3.4	-6.5	2.7	-8.2	-14.0	8.4	0.6		1.1	Dec-13
MSCI Emerging Markets				-7.3	4.1	-4.7	-8.7	9.9	1.8	5.0	2.0	Dec-13
OFI Emerging Markets	29,568,184		1.8	-6.2	8.7	-3.1	-5.5	10.9	2.3		2.6	Jan-14
MSCI Emerging Markets				-7.3	4.1	-4.7	-8.7	9.9	1.8	5.0	2.3	Jan-14

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Returns are net of manager fees.

Results for periods longer than one year are annualized.

Fiscal Year ends June 30th.

SMID Cap Composite 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.



May 31, 2019

INVESTMENT PERFORMANCE FLASH REPORT

	Market Value (\$)	Policy %	% of Portfolio	1 Mo (%)	YTD (%)	Fiscal YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Total Fixed Income Composite	512,685,146	26.0	30.8	1.4	4.7	5.4	4.4	3.8	2.0		1.7	Oct-12
Total Fixed Income Custom Benchmark				1.5	4.5	6.1	5.5	2.8	1.6	3.2	1.4	Oct-12
Core Fixed Income	384,242,531	18.0	23.1	1.7	4.9	6.5	6.4	4.1	3.3		3.2	Dec-10
BBgBarc US Aggregate TR				1.8	4.8	6.5	6.4	2.5	2.7	3.8	3.1	Dec-10
Orleans Core Fixed Income	91,639,798		5.5	1.4	5.2	6.6	6.4	2.8	2.6	4.2	5.6	Aug-92
BBgBarc US Aggregate TR				1.8	4.8	6.5	6.4	2.5	2.7	3.8	5.4	Aug-92
Blackrock US Debt	292,602,733		17.6	1.7	4.8	6.5	6.4	2.5			2.7	Nov-14
BBgBarc US Aggregate TR				1.8	4.8	6.5	6.4	2.5	2.7	3.8	2.7	Nov-14
US TIPS Composite	53,047,181	3.0	3.2	1.6	5.2						4.9	Oct-18
Blackrock US TIPS Index	53,047,181		3.2	1.6	5.2						4.9	Oct-18
BBgBarc US TIPS TR				1.7	5.3	3.9	4.4	2.5	1.6	3.6	4.8	Oct-18
Emerging Markets Debt	75,395,434	5.0	4.5	0.2	3.4	1.4	-2.6	3.0	-2.9	-	-2.7	Nov-13
JP Morgan GBI - EM Global Diversified Index				0.3	3.0	3.3	0.3	4.4	-1.3	3.0	-1.1	Nov-13
Stone Harbor	75,395,434		4.5	0.2	3.4	1.4	-2.6	3.0	-2.9		-2.7	Nov-13
JP Morgan GBI - EM Global Diversified Index				0.3	3.0	3.3	0.3	4.4	-1.3	3.0	-1.1	Nov-13

Performance and values are preliminary and subject to change.

Results for periods longer than one year are annualized.

Fiscal YTD ends June 30th.

Global Equity Composite start date is 10/1/2012.

International Equity Composites start date is 10/1/2012.

Performance and values are preliminary and subject to change.

Returns are net of manager fees.

SMID Cap Composite 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.



INVESTMENT PERFORMANCE FLASH REPORT

	Market Value (\$)	Policy %	% of Portfolio	1 Mo (%)	YTD (%)	Fiscal YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
GAA Composite	160,376,669	10.0	9.6	-2.2	7.9	0.3	0.0	5.5	2.9		3.2	Apr-14
60% MSCI World (Net) / 40% FTSE WGBI				-2.8	7.1	1.4	1.3	6.1	3.8	6.9	4.1	Apr-14
Blackrock Global Allocation	82,781,571		5.0	-2.8	6.5	0.0	-0.5	5.5	3.2		3.5	Apr-14
60% MSCI World (Net) / 40% FTSE WGBI				-2.8	7.1	1.4	1.3	6.1	3.8	6.9	4.1	Apr-14
AQR Global Risk Premium – EL	77,595,099		4.7	-1.6	9.0	2.0	1.2	5.5	2.5		3.1	May-14
60% MSCI World (Net) / 40% FTSE WGBI				-2.8	7.1	1.4	1.3	6.1	3.8	6.9	4.0	May-14
Total Alternative Composite	182,044,093	10.0	10.9	0.0	0.0	2.2	4.5	6.5	2.6	3.9	2.2	Jun-05
Private Equity Composite	62,729,434	4.0	3.8	0.0	0.0	1.4	5.3	8.6	0.3	2.7	-2.5	Jul-05
Cambridge Associates US All PE			_	0.0	0.0	2.1	7.6	13.6	10.8	14.1	12.4	Jul-05
Murphree Venture (\$2,000,000)	694,114		0.0	0.0	0.0	-0.6	-10.0	-23.4	-16.0	-7.6	-6.0	Sep-05
Louisiana Fund I (\$1,000,000)	1,734,415		0.1	0.0	0.0	0.0	-0.1	-6.0	-3.7	-1.0	-6.1	Jul-05
DTC Private Equity II-Q, L.P. (\$7,500,000)	1,278,367		0.1	0.0	0.0	-5.3	-3.2	5.6	5.2	8.2	5.6	Feb-06
Greenspring Associates III (\$9,230,000)	3,058,840		0.2	0.0	0.0	-8.7	-8.7	1.0	6.2	11.9	5.4	Feb-06
DCM Private Equity II (\$7,500,000)	1,315,464		0.1	0.0	0.0	-1.9	-1.5	-0.6	-4.0	2.3	-1.3	Feb-06
FECP II (\$20,000,000)	185,502		0.0	0.0	0.0	-12.3	-10.9	9.1	0.1	9.5	9.2	Mar-08
GA Crossover Fund (\$25,000,000)	4,410,228		0.3	0.0	0.0	0.8	3.3	10.3	10.8	18.1	13.8	Jan-08
CCMP Capital Investors III (\$15,000,000)	13,933,690		0.8	0.0	0.0	-3.0	4.0	10.0	-		9.7	Oct-14
Landmark Equity Partners XV (\$25,000,000)	10,264,050		0.6	0.0	0.0	5.8	10.5	14.5			15.8	Dec-14
Harbourvest IV (\$20,000,000) Mesirow (\$35,000,000)	17,391,584		1.0	0.0	0.0	7.4	11.4				11.1	Nov-16

Results for periods longer than one year are annualized. Results are preliminary and subject to change. Fiscal YTD ends June 30th.

Total Fixed Income Custom Benchmark is comprised of the Barclays Aggregate from 10/1/2012 to 10/31/2013; 75% Barclays Aggregate/25% JPM GBI EM Diversified from 11/1/2013 to 2/29/2016; 85% Barclays Aggregate/15% JPM GBI EM Diversified from 3/1/2016 to 12/31/2018; 70% Barclays Aggregate/20% JPM GBI EM Diversified/ 10% Barclays US TIPS going forward. Total Fixed Income Composite start date is 10/1/2012.



INVESTMENT PERFORMANCE FLASH REPORT

	Market Value (\$)	Policy %	% of Portfolio	1 Mo (%)	YTD (%)	Fiscal YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Real Estate Composite	119,314,659	6.0	7.2	0.0	0.0	2.6	4.2	5.6	5.3		5.1	Dec-09
NCREIF Property Index				0.0	1.8	4.9	6.8	7.1	9.1	8.5	10.0	Dec-09
Sentinel Real Estate Fund (\$30,000,000)	36,872,376		2.2	0.0	0.0	3.2	5.5	7.1	8.8	10.0	6.4	Feb-06
JP Morgan India (\$8,990,000)	1,962,601		0.1	0.0	0.0	-6.1	-14.3	-13.4	-8.6	-3.6	-13.3	Apr-07
Timbervest Crossover Fund (\$16,000,000)	6,585,791		0.4	0.0	0.0	-1.9	1.4	-4.9	-4.1	-1.1	-1.5	Apr-08
AEW Partners VI LP (\$20,000,000)	8,818,338		0.5	0.0	0.0	11.9	13.5	14.6	16.7		13.9	Mar-10
AEW Core Property (\$12,000,000)	16,039,437		1.0	0.0	0.0	3.1	5.2	6.3			7.4	May-15
FRS-GA (Georgia)	3,463,900		0.2	0.0	0.0	0.0	-0.8	-10.0	-8.7	-9.8	-8.9	Jun-08
FRS-LB I (NLTP AZ)	7,380,981		0.4	0.0	0.0	0.0	-0.3	18.1	11.5	-13.6	-11.5	Jun-07
FRS-LB III (ST George UT)	9,288,030		0.6	0.0	0.0	0.0	0.0	5.8	3.5	3.0	2.7	Jun-08
ASB Real Estate Fund	14,130,455		0.8	0.0	0.0	3.2	5.2	5.4			5.1	Jan-16
Heitman America Real Estate Trust	14,772,750		0.9	0.0	0.0	2.5	4.4	6.2			6.9	Nov-15
Total Cash (\$9 MM)	19,054,924	-	1.1	0.2	1.0	2.1	2.2	1.3	0.8	0.5	2.8	Jun-92
91 Day T-Bills				0.2	1.0	2.1	2.2	1.3	0.8	0.5	2.4	Jun-92

Results for periods longer than one year are annualized.

Fiscal YTD ends June 30th.

Real Estate valuations are as of 12/31/2018 and adjusted for cash flows.

FRS – LB I is part of the Real Estate Composite as of 12/1/2012.

Harbourvest IV was funded 10/01/2016.

Private Equity valuations are as of 12/31/2018 and adjusted for cash flows.



CURRENT MONTH CHANGE IN VALUE

Total Cash Flow Summary										
			Montl	n Ending May 31, 2	019					
	Beginning Market Value	Contributions	Withdrawals	Net Cash Flow	Fees	Net Investment Change	Ending Market Value			
Acadian Emerging Markets Equity	\$61,339,126	\$0	\$0	\$0	\$0	-\$3,993,840	\$57,345,286			
AEW Core Property (\$12,000,000)	\$16,039,437	\$0	\$0	\$0	\$0	\$0	\$16,039,437			
AEW Partners VI LP (\$20,000,000)	\$8,818,338	\$0	\$0	\$0	\$0	\$0	\$8,818,338			
AQR Global Risk Premium – EL	\$78,854,759	\$0	\$0	\$0	-\$61,429	-\$1,259,661	\$77,595,099			
ASB Real Estate Fund	\$14,091,392	\$39,063	\$0	\$39,063	\$0	\$0	\$14,130,455			
Blackrock Global Allocation	\$84,936,204	\$236,855	\$0	\$236,855	-\$236,855	-\$2,391,488	\$82,781,571			
Blackrock US Debt	\$287,508,735	\$66,138	\$0	\$66,138	-\$66,138	\$5,027,860	\$292,602,733			
Blackrock US TIPS Index	\$52,186,273	\$16,034	-\$4,805	\$11,229	-\$11,229	\$849,679	\$53,047,181			
Boston Partners Global Equity	\$100,223,406	\$0	-\$129,711	-\$129,711	-\$41,945	-\$6,926,614	\$93,167,080			
Cash/Clearing Account	\$20,201,127	\$260,198	-\$6,009,412	-\$5,749,214	\$0	\$37,615	\$14,489,528			
CCMP Capital Investors III (\$15,000,000)	\$13,933,690	\$0	\$0	\$0	\$0	\$0	\$13,933,690			
DCM Private Equity II (\$7,500,000)	\$1,315,464	\$0	\$0	\$0	\$0	\$0	\$1,315,464			
DTC Private Equity II-Q, L.P. (\$7,500,000)	\$1,278,367	\$0	\$0	\$0	\$0	\$0	\$1,278,367			
Energy Opportunities Fund	\$19,152	\$4,955	\$0	\$4,955	-\$24,076	-\$24,074	\$33			
FECP II (\$20,000,000)	\$185,502	\$0	\$0	\$0	\$0	\$0	\$185,502			
Fisher All Foreign Equity	\$108,218,022	\$0	-\$202	-\$202	-\$182,572	-\$7,851,932	\$100,365,888			
FRS-GA (Georgia)	\$3,463,900	\$0	\$0	\$0	\$0	\$0	\$3,463,900			
FRS-LB I (NLTP AZ)	\$7,380,981	\$0	\$0	\$0	\$0	\$0	\$7,380,981			
FRS-LB III (ST George UT)	\$9,288,030	\$0	\$0	\$0	\$0	\$0	\$9,288,030			
GA Crossover Fund (\$25,000,000)	\$4,410,228	\$0	\$0	\$0	\$0	\$0	\$4,410,228			
Greenspring Associates III (\$9,230,000)	\$3,151,140	\$0	-\$92,300	-\$92,300	\$0	\$0	\$3,058,840			
Harbourvest IV (\$20,000,000)	\$17,391,584	\$0	\$0	\$0	\$0	\$0	\$17,391,584			
HarbourVest Partners XI Buyout (\$35,000,000)	\$0	\$0	\$0	\$0	\$0	\$0	\$0			



CURRENT MONTH CHANGE IN VALUE

	Month Ending May 31, 2019								
	Beginning Market Value	Contributions	Withdrawals	Net Cash Flow	Fees	Net Investment Change	Ending Market Value		
Heitman America Real Estate Trust	\$14,772,750	\$0	\$0	\$0	\$0	\$0	\$14,772,750		
JP Morgan India (\$8,990,000)	\$1,962,601	\$0	\$0	\$0	\$0	\$0	\$1,962,601		
Landmark Equity Partners XV (\$25,000,000)	\$10,299,259	\$117,824	-\$153,033	-\$35,209	\$0	\$0	\$10,264,050		
Liquidating - BlackRock Global Focused	\$7,961	\$0	\$0	\$0	\$0	\$45	\$8,006		
Louisiana Asset Management Pool	\$4,555,902	\$0	\$0	\$0	\$0	\$9,493	\$4,565,395		
Louisiana Fund I (\$1,000,000)	\$1,734,415	\$0	\$0	\$0	\$0	\$0	\$1,734,415		
LSV International Equity Value	\$104,014,249	\$0	\$0	\$0	\$0	-\$6,463,529	\$97,550,720		
Mellon Stock Index Fund	\$289,940,778	\$0	\$0	\$0	\$0	-\$18,429,131	\$271,511,647		
Mesirow (\$35,000,000)	\$6,888,180	\$1,575,000	\$0	\$1,575,000	\$0	\$0	\$8,463,180		
Murphree Venture (\$2,000,000)	\$694,114	\$0	\$0	\$0	\$0	\$0	\$694,114		
OFI Emerging Markets	\$31,537,466	\$0	\$0	\$0	-\$21,191	-\$1,969,282	\$29,568,184		
Orleans Core Fixed Income	\$90,384,168	\$0	\$0	\$0	-\$24,827	\$1,255,630	\$91,639,798		
Putnam Risk Parity	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
QMA SMID	\$45,965,894	\$0	\$0	\$0	-\$55,326	-\$4,637,480	\$41,328,414		
Rothschild U.S. SMID Core	\$46,271,303	\$0	\$0	\$0	-\$78,502	-\$3,223,622	\$43,047,681		
Sentinel Real Estate Fund (\$30,000,000)	\$36,872,376	\$0	\$0	\$0	\$0	\$0	\$36,872,376		
Stone Harbor	\$75,213,758	\$0	\$0	\$0	-\$53,405	\$181,676	\$75,395,434		
Thornburg Global Opportunities	\$62,708,951	\$0	\$0	\$0	-\$89,019	-\$6,306,814	\$56,402,137		
Timbervest Crossover Fund (\$16,000,000)	\$6,585,791	\$0	\$0	\$0	\$0	\$0	\$6,585,791		
Total	\$1,724,644,774	\$2,316,068	-\$6,389,463	-\$4,073,396	-\$946,515	-\$56,115,468	\$1,664,455,911		

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).



CURRENT FYTD CHANGE IN VALUE

Total Cash Flow Summary											
			Fiscal Y	TD Ending May 31,	2019						
	Beginning Market Value	Contributions	Withdrawals	Net Cash Flow	Fees	Net Investment Change	Ending Market Value				
Acadian Emerging Markets Equity	\$57,333,700	\$5,000,000	\$0	\$5,000,000	-\$424,495	-\$4,988,414	\$57,345,286				
AEW Core Property (\$12,000,000)	\$15,558,497	\$0	\$0	\$0	\$0	\$480,940	\$16,039,437				
AEW Partners VI LP (\$20,000,000)	\$8,213,548	\$0	-\$370,947	-\$370,947	\$0	\$975,737	\$8,818,338				
AQR Global Risk Premium – EL	\$45,839,208	\$61,400,000	-\$30,700,000	\$30,700,000	-\$435,068	\$1,055,891	\$77,595,099				
ASB Real Estate Fund	\$13,622,620	\$76,913	\$0	\$76,913	\$0	\$430,921	\$14,130,455				
Blackrock Global Allocation	\$82,124,034	\$640,399	\$0	\$640,399	-\$640,399	\$17,138	\$82,781,571				
Blackrock US Debt	\$206,535,451	\$70,124,053	\$0	\$70,124,053	-\$124,053	\$15,943,229	\$292,602,733				
Blackrock US TIPS Index		\$50,016,034	-\$4,805	\$50,011,229	-\$11,229	\$3,035,953	\$53,047,181				
Boston Partners Global Equity	\$100,016,730	\$0	-\$732,091	-\$732,091	-\$482,895	-\$6,117,559	\$93,167,080				
Cash/Clearing Account	\$35,957,739	\$236,288,864	-\$258,031,566	-\$21,742,702	\$0	\$274,491	\$14,489,528				
CCMP Capital Investors III (\$15,000,000)	\$14,180,095	\$179,575	\$0	\$179,575	\$0	-\$425,980	\$13,933,690				
DCM Private Equity II (\$7,500,000)	\$1,727,569	\$2,152	-\$384,782	-\$382,630	\$0	-\$29,474	\$1,315,464				
DTC Private Equity II-Q, L.P. (\$7,500,000)	\$1,729,658	\$0	-\$375,000	-\$375,000	\$0	-\$76,291	\$1,278,367				
Energy Opportunities Fund	\$16,635,881	\$4,955	-\$11,447,207	-\$11,442,252	-\$132,481	-\$5,193,596	\$33				
FECP II (\$20,000,000)	\$388,146	\$0	-\$166,100	-\$166,100	\$0	-\$36,544	\$185,502				
Fisher All Foreign Equity	\$130,665,252	\$0	-\$25,141,939	-\$25,141,939	-\$727,591	-\$5,157,424	\$100,365,888				
FRS-GA (Georgia)	\$3,463,900	\$0	\$0	\$0	\$0	\$0	\$3,463,900				
FRS-LB I (NLTP AZ)	\$7,380,981	\$0	\$0	\$0	\$0	\$0	\$7,380,981				
FRS-LB III (ST George UT)	\$9,288,030	\$0	\$0	\$0	\$0	\$0	\$9,288,030				
GA Crossover Fund (\$25,000,000)	\$4,373,664	\$0	\$0	\$0	\$0	\$36,564	\$4,410,228				
Greenspring Associates III (\$9,230,000)	\$4,105,060	\$0	-\$719,940	-\$719,940	\$0	-\$326,280	\$3,058,840				
Harbourvest IV (\$20,000,000)	\$15,779,871	\$1,602,396	-\$1,157,769	\$444,627	\$0	\$1,167,086	\$17,391,584				
HarbourVest Partners XI Buyout (\$35,000,000)		\$0	\$0	\$0	\$0	\$0	\$0				



CURRENT FYTD CHANGE IN VALUE

	Fiscal YTD Ending May 31, 2019										
	Beginning Market Value	Contributions	Withdrawals	Net Cash Flow	Fees	Net Investment Change	Ending Market Value				
Heitman America Real Estate Trust	\$14,416,665	\$0	\$0	\$0	\$0	\$356,085	\$14,772,750				
JP Morgan India (\$8,990,000)	\$2,089,471	\$0	\$0	\$0	\$0	-\$126,870	\$1,962,601				
Landmark Equity Partners XV (\$25,000,000)	\$11,931,304	\$981,786	-\$3,260,843	-\$2,279,057	\$0	\$611,803	\$10,264,050				
Liquidating - BlackRock Global Focused	\$12,561	\$0	-\$4,409	-\$4,409	\$0	-\$145	\$8,006				
Louisiana Asset Management Pool	\$4,470,256	\$0	\$0	\$0	\$0	\$95,139	\$4,565,395				
Louisiana Fund I (\$1,000,000)	\$1,734,135	\$0	\$0	\$0	\$0	\$280	\$1,734,415				
LSV International Equity Value	\$129,346,061	\$0	-\$25,030,096	-\$25,030,096	-\$848,194	-\$6,765,245	\$97,550,720				
Mellon Stock Index Fund	\$331,287,394	\$62,705	-\$70,000,000	-\$69,937,295	-\$62,705	\$10,161,547	\$271,511,647				
Mesirow (\$35,000,000)		\$8,678,620	\$0	\$8,678,620	\$0	-\$215,440	\$8,463,180				
Murphree Venture (\$2,000,000)	\$697,980	\$0	\$0	\$0	\$0	-\$3,866	\$694,114				
OFI Emerging Markets	\$27,471,846	\$6,000,000	-\$3,000,000	\$3,000,000	-\$215,251	-\$903,661	\$29,568,184				
Orleans Core Fixed Income	\$66,932,337	\$20,000,000	\$0	\$20,000,000	-\$96,682	\$4,707,461	\$91,639,798				
Putnam Risk Parity	\$31,359,572	\$579,825	-\$31,259,096	-\$30,679,271	-\$145,432	-\$680,301	\$0				
QMA SMID	\$43,078,804	\$3,000,469	\$0	\$3,000,469	-\$165,936	-\$4,750,859	\$41,328,414				
Rothschild U.S. SMID Core	\$46,082,566	\$0	\$0	\$0	-\$343,767	-\$3,034,884	\$43,047,681				
Sentinel Real Estate Fund (\$30,000,000)	\$37,256,961	\$0	-\$1,542,399	-\$1,542,399	\$0	\$1,157,814	\$36,872,376				
Stone Harbor	\$74,365,185	\$0	\$0	\$0	-\$576,319	\$1,030,248	\$75,395,434				
Thornburg Global Opportunities	\$63,913,049	\$0	\$0	\$0	-\$358,098	-\$7,510,912	\$56,402,137				
Timbervest Crossover Fund (\$16,000,000)	\$7,948,376	\$0	-\$1,215,895	-\$1,215,895	\$0	-\$146,690	\$6,585,791				
Z-Terminated Advisory Research SMID	\$2,776	\$0	-\$2,776	-\$2,776	\$0	\$0					
Total	\$1,669,316,932	\$464,638,747	-\$464,547,660	\$91,087	-\$5,790,594	-\$4,952,108	\$1,664,455,911				

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).



SINCE INCEPTION CHANGE IN VALUE

Total Cash Flow Summary											
			Ending May	31, 2019							
	Beginning Market Value	Contributions	Withdrawals	Net Cash Flow	Net Investment Change	Ending Market Value					
Acadian Emerging Markets Equity	-	\$65,000,000	-\$10,000,000	\$55,000,000	\$2,345,286	\$57,345,286					
AEW Core Property (\$12,000,000)	-	\$12,000,000	\$0	\$12,000,000	\$4,039,437	\$16,039,437					
AEW Partners VI LP (\$20,000,000)	-	\$18,420,450	-\$24,051,444	-\$5,630,994	\$14,449,332	\$8,818,338					
AQR Global Risk Premium – EL	-	\$101,500,000	-\$30,700,000	\$70,800,000	\$6,795,099	\$77,595,099					
ASB Real Estate Fund	-	\$12,293,193	-\$141,910	\$12,151,283	\$1,979,172	\$14,130,455					
Blackrock Global Allocation		\$68,682,390	\$0	\$68,682,390	\$14,099,180	\$82,781,571					
Blackrock US Debt		\$327,536,521	-\$58,500,000	\$269,036,521	\$23,566,213	\$292,602,733					
Blackrock US TIPS Index	-	\$50,016,034	-\$4,805	\$50,011,229	\$3,035,953	\$53,047,181					
Boston Partners Global Equity		\$80,939,406	-\$1,330,149	\$79,609,257	\$13,557,824	\$93,167,080					
Cash/Clearing Account		\$2,409,096,895	-\$2,398,239,607	\$10,857,288	\$3,632,241	\$14,489,528					
CCMP Capital Investors III (\$15,000,000)	-	\$11,821,975	-\$1,607,574	\$10,214,401	\$3,719,289	\$13,933,690					
DCM Private Equity II (\$7,500,000)	-	\$8,232,280	-\$7,231,883	\$1,000,397	\$315,067	\$1,315,464					
DTC Private Equity II-Q, L.P. (\$7,500,000)		\$5,480,845	-\$8,287,500	-\$2,806,655	\$4,085,022	\$1,278,367					
Energy Opportunities Fund		\$50,039,277	-\$44,450,083	\$5,589,194	-\$5,589,161	\$33					
FECP II (\$20,000,000)	-	\$19,188,998	-\$22,302,362	-\$3,113,364	\$3,298,866	\$185,502					
Fisher All Foreign Equity		\$117,180,807	-\$80,307,557	\$36,873,250	\$63,492,638	\$100,365,888					
FRS-GA (Georgia)		\$9,416,075	\$0	\$9,416,075	-\$5,952,175	\$3,463,900					
FRS-LB I (NLTP AZ)		\$24,900,208	\$0	\$24,900,208	-\$17,519,227	\$7,380,981					
FRS-LB III (ST George UT)		\$6,878,923	\$0	\$6,878,923	\$2,409,107	\$9,288,030					
GA Crossover Fund (\$25,000,000)		\$25,000,000	-\$46,276,687	-\$21,276,687	\$25,686,915	\$4,410,228					
Greenspring Associates III (\$9,230,000)	-	\$8,491,600	-\$12,973,318	-\$4,481,718	\$7,540,558	\$3,058,840					
Harbourvest IV (\$20,000,000)		\$17,325,303	-\$2,907,769	\$14,417,534	\$2,974,050	\$17,391,584					

Cash flow statistics exclude management fees and expenses.



SINCE INCEPTION CHANGE IN VALUE

	Ending May 31, 2019									
	Beginning Market Value	Contributions	Withdrawals	Net Cash Flow	Net Investment Change	Ending Market Value				
HarbourVest Partners XI Buyout (\$35,000,000)		\$0	\$0	\$0	\$0	\$0				
Heitman America Real Estate Trust		\$12,000,000	\$0	\$12,000,000	\$2,772,750	\$14,772,750				
JP Morgan India (\$8,990,000)		\$8,307,355	-\$3,814,303	\$4,493,052	-\$2,530,451	\$1,962,601				
Landmark Equity Partners XV (\$25,000,000)		\$17,909,154	-\$12,829,420	\$5,079,734	\$5,184,316	\$10,264,050				
Liquidating - BlackRock Global Focused		\$46,832,890	-\$59,572,953	-\$12,740,063	\$12,748,070	\$8,006				
Louisiana Asset Management Pool		\$943,990,965	-\$944,296,689	-\$305,724	\$4,871,119	\$4,565,395				
Louisiana Fund I (\$1,000,000)		\$1,010,000	\$0	\$1,010,000	\$724,415	\$1,734,415				
LSV International Equity Value		\$103,818,122	-\$42,313,413	\$61,504,709	\$36,046,011	\$97,550,720				
Mellon Stock Index Fund		\$275,475,823	-\$164,500,001	\$110,975,822	\$160,535,825	\$271,511,647				
Mesirow (\$35,000,000)		\$8,678,620	\$0	\$8,678,620	-\$215,440	\$8,463,180				
Murphree Venture (\$2,000,000)		\$2,058,578	-\$848,459	\$1,210,119	-\$516,005	\$694,114				
OFI Emerging Markets		\$37,500,000	-\$11,500,000	\$26,000,000	\$3,568,184	\$29,568,184				
Orleans Core Fixed Income	\$0	\$146,099,081	-\$91,022,995	\$55,076,086	\$36,563,712	\$91,639,798				
Putnam Risk Parity		\$27,979,825	-\$31,259,096	-\$3,279,271	\$3,279,271	\$0				
QMA SMID		\$3,000,469	\$0	\$3,000,469	\$38,327,945	\$41,328,414				
Rothschild U.S. SMID Core		\$55,500,000	-\$27,500,000	\$28,000,000	\$15,047,681	\$43,047,681				
Sentinel Real Estate Fund (\$30,000,000)		\$30,000,000	-\$17,963,220	\$12,036,780	\$24,835,596	\$36,872,376				
Stone Harbor		\$86,000,000	\$0	\$86,000,000	-\$10,604,566	\$75,395,434				
Thornburg Global Opportunities	-	\$47,500,000	-\$70,306,258	-\$22,806,258	\$79,208,395	\$56,402,137				
Timbervest Crossover Fund (\$16,000,000)		\$13,600,000	-\$8,263,895	\$5,336,105	\$1,249,686	\$6,585,791				

Cash flow statistics exclude management fees and expenses.



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.
- NEPC's source for portfolio pricing, calculation of accruals, and transaction information is the plan's custodian 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.
- Some index returns displayed in this report or used in calculation of a policy, allocation or custom benchmark may be preliminary and subject to change.
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Reporting Methodology

- The client's custodian bank is NEPC's preferred data source unless otherwise directed. NEPC generally 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 manager 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.

