

# THE CITY OF NEW YORK OFFICE OF THE COMPTROLLER BUREAU OF ASSET MANAGEMENT 1 CENTRE STREET ROOM 736 NEW YORK, N.Y. 10007-2341

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SCOTT M. STRINGER COMPTROLLER

#### **MEMORANDUM**

TO: Trustees

New York City Fire Department Pension Fund

FROM: Seema R. Hingorani

DATE: March 19, 2014

RE: New York City Fire Department Pension Fund Investment Meeting –

March 26, 2014

Enclosed is a copy of the **public agenda** for the Wednesday, March 26, 2014 Investment Meeting. The meeting will be held at our location – NYC Comptroller's Office, 1 Centre Street, Executive Conference Room, 5<sup>th</sup> Floor – Rm. 530 (beginning @ 9:30am).

Please remember to bring your <u>Quarterly Performance Overview book</u> with you to the meeting, it will be sent to you via messenger.

If you have questions about any agenda item, please contact me at 212.669.3679.



## THE CITY OF NEW YORK OFFICE OF THE COMPTROLLER 1 CENTRE STREET NEW YORK, N.Y. 10007-2341

Scott M. Stringer COMPTROLLER

## NEW YORK CITY FIRE DEPARTMENT PENSION FUND

## **INVESTMENT MEETING**

MARCH 26, 2014

## Location:

One Centre Street 
Executive Conference Room

5<sup>th</sup> Floor, Rm. 530

New York, NY

## NEW YORK CITY FIRE DEPARTMENT PENSION FUND

## **INVESTMENT MEETING**

## MARCH 26, 2014

## PUBLIC AGENDA

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<u>FFV</u> I. P	VSF: Performance Review: (5 Minutes)  • Quarterly Report – December 31, 2013 (To be distributed)	
<u>FOV</u> II. P		

PUBLIC AGENDA

I. Performance Reviews/ Quarterly Reports:

ETI Quarterly Report

Public/Private Apartment Rehabilitation Program (PPAR)

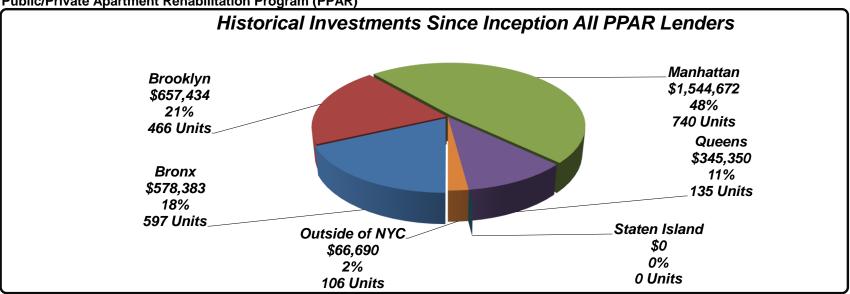
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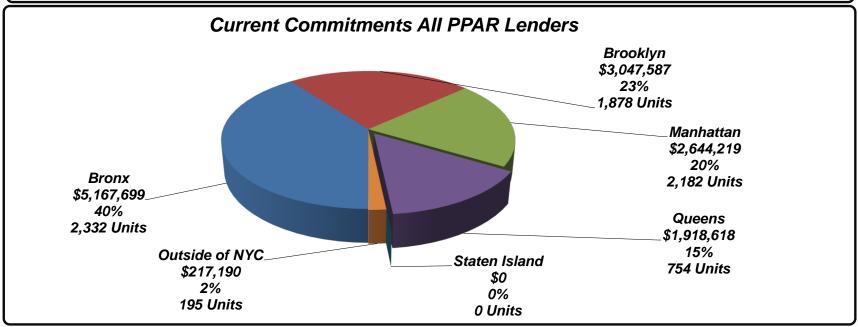
Public/Private Aparti	ment Renab	ilitatio	n Program (	(PPAR	4)													
Lenders*	BOA		CCD		CFSB		CPC		JPMC		LIIF		NCBCI		NHS		All Lender T	otals
	Dollars	Units	Dollars	Units		Units	Dollars	Units	Dollars	Units	Dollars	Units	Dollars	Units	Dollars	Units	Dollars	Units
Contractual Commitments	\$11,000,000	n/a	\$6,000,000	n/a	\$1,000,000	n/a	\$6,000,000	n/a	\$10,000,000	n/a	\$6,000,000	n/a	\$1,000,000	n/a	\$1,000,000	n/a	\$42,000,000	n/a
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Commitments 4Q 13																		
(included in total)																		
Bronx	\$0		\$0		\$0	0	\$51,250	66	\$952,000	264	\$0		\$0		\$0		\$1,003,250	330
Brooklyn	φ <sub>0</sub>	0	, p	Ä	φ <b>0</b>	ŏ	φυ1,200 Π	00	φ <del>9</del> 52,000	204	ا م	0		ŭ	0 \$0	0	\$1,003,230 N	330
Manhattan	١	U	103,275	4	0	ő	24,012	66	0	0		Ü	0	Ü	0	0	127,287	67
	0	U	103,275	1	U	٥	24,012	90	U	U	0	U	0	Ü	U	0	127,287	67
Queens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Staten Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Outside of NYC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
													_					
Total	\$0	0	\$103,275	1	\$0	0	\$75,262	132	\$952,000	264	\$0	0	\$0	0	\$0	0	\$1,130,537	397
Delivered 4Q 13																		
(included in total)																		
Bronx	\$0	0	\$354,000	290	\$0	0	\$27,639	135	\$0	0	\$0	0	\$0	0	\$0	0	\$381,639	425
Brooklyn	0	0	0	0	0	0	89,458	168	0	0	0	0	0	0	0	0	89,458	168
Manhattan	0	0	0	0	0	0	7,350	9	13,500	47	0	0	0	0	0	0	20,850	56
Queens	210,000	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	210,000	65
Staten Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Outside of NYC	Ö	0	Ō	Ó	0	Ó	Ô	Ó	0	Ó	Ö	0	0	Ó	0	0	0	o
		-		-		-						-						
Total	\$210,000	65	\$354,000	290	\$0	0	\$124,447	312	\$13,500	47	\$0	0	\$0	0	\$0	0	\$701,947	714
							•											_
Total Commitments																		
Bronx	\$612,500	60	\$404,220	86	\$0	0	\$525,035	970	\$3,242,745	1,099	\$383,200	117	\$0	0	\$0	0	\$5,167,699	2,332
Brooklyn	649,915	54	370,680	128	0	ō	773,369	1,317	375,230	137		188	57,190	54	0	Ō	3.047.587	1,878
Manhattan	040,010	0	155,475	31	ň	ň	736,462	1,486	449,005	232		280		153	ő	ň	2,644,219	2,182
Queens	1,546,888	174	100,470	3,	0	ő	281,730	484	90,000	96		200	100,700	100	0	ŏ	1,918,618	754
Staten Island	1,340,000	1/4	0	ŭ	0	0	201,730	404	30,000	0	١ ٥	0	0	Š	0	ŭ	1,910,010	734
Outside of NYC	l	U	0	ŭ	0	ŭ	217,190	195	0	0	l š	Ü	0	0	0	0	217,190	195
Outside of NTC	l •	U	U	۷	U	٥	217,190	195	U	U	· ·	U	U	U	U	U	217,190	195
Tatal	\$2,809,303	200	\$930,375	245	\$0	0	\$2,533,786	4,452	\$4,156,980	1,564	\$2,347,910	585	\$216,959	207	\$0		\$12,995,313	7,341
Total	\$2,009,303	288	\$930,375	240	φU	U	\$2,533,700	4,452	\$4,130,90U	1,304	\$2,347,910	200	\$210,959	207	φu	U	\$12,995,313	7,341
Historical Incompany																		
<u>Historical Investments</u>			<b>#544 500</b>		••	_	***	204	**			•	••	_			AF70 000	
Bronx	\$0	0	\$514,500	366	\$0	0	\$63,883	231	\$0	0	\$0	4-0	\$0	0	\$0	0	\$578,383	597
Brooklyn	l 0	0	243,348	124	0	0	89,458	168	0	0	324,628	174		. 0	0	0	657,434	466
Manhattan	0	0	399,774	253	483,542	197	13,150	19	13,500	47	363,140	101	271,566	123	0	0	1,544,672	740
Queens	210,000	65	120,000	54	0	0	15,350	16	0	0	0	0	0	0	0	0	345,350	135
Staten Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Outside of NYC	0	0	0	0	0	0	66,690	106	0	0	0	0	0	0	0	0	66,690	106
																		ļ
Total	\$210,000	65		797	\$483,542	197	\$248,531	540	\$13,500	47	, ,	275		123	\$0	0	\$3,192,529	2,044
*Lenders :	Bank		Citibank Comn	nunity	Carver Fede	ral	The Commun	ity	JP Morgar	n	Low Incom	ne	NCB Capital Ir	mpact	Neigborhoo	d		

Preservation Corporation

Housing Service







AFL-CIO Housing Investment Trust (HIT)

Market Value \$39.9 million\*

NYC Community Investment Initiative (NYCCII)

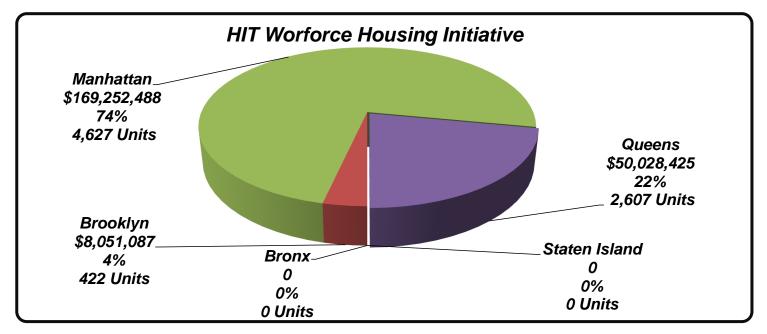
Multifamily Investments Detail				
_		Investments		Housing Unit
<u>Borough</u>	4 Q Investments	Since Inception	4Q Housing Units	Since Inception
Bronx	\$0	\$52,827,900	0	80
Brooklyn	0	103,890,446	0	5,61
Manhattan	0	174,075,200	0	92
Queens	0	17,760,000	0	1,26
Staten Island	0	6,414,554	0	69
Total	\$0	\$354,968,100	0	9,29
Grand Total NYCCII Phase II	\$354,968,100			
NVCCII Phase I 2002 2005				
NYCCII Phase I 2002 - 2005	Dollare	Unite	Mombor Loans	Total All NVC DE
	<u>Dollars</u>	<u>Units</u>	Member Loans	
Multifamily Investments	\$249,123,500	12,337	n/a	n
Multifamily Investments HIT Home Investments	\$249,123,500 348,300,563	1 <mark>2,337</mark> n/a	n/a 48	n 44
Multifamily Investments HIT Home Investments	\$249,123,500	12,337	n/a	n 44
	\$249,123,500 348,300,563	1 <mark>2,337</mark> n/a	n/a 48	n 44
Multifamily Investments HIT Home Investments Total NYCCII Phase I NYCCII Phases I & II	\$249,123,500 348,300,563 \$597,424,063 Dollars	12,337 n/a 12,337 <u>Units</u>	n/a 48	n 44 44
Multifamily Investments HIT Home Investments Total NYCCII Phase I  NYCCII Phases I & II  Multifamily Investments	\$249,123,500 348,300,563 \$597,424,063	12,337 n/a 12,337	n/a 48 48	Total All NYC PF
Multifamily Investments HIT Home Investments Total NYCCII Phase I  NYCCII Phases I & II  Multifamily Investments	\$249,123,500 348,300,563 \$597,424,063 Dollars	12,337 n/a 12,337 <u>Units</u>	n/a 48 48 48 Member Loans	Total All NYC PF
Multifamily Investments HIT Home Investments Total NYCCII Phase I	\$249,123,500 348,300,563 \$597,424,063 Dollars \$604,091,600	12,337 n/a 12,337 <u>Units</u> 21,634	n/a 48 48 48 Member Loans n/a	Total All NYC PF
Multifamily Investments HIT Home Investments Total NYCCII Phase I  NYCCII Phases I & II  Multifamily Investments HIT Home Investments	\$249,123,500 348,300,563 \$597,424,063 Dollars \$604,091,600 2,899,899,500	12,337 n/a 12,337 <u>Units</u> 21,634 n/a	Member Loans n/a 48 48	Total All NYC PF  n 44 44  Total All NYC PF n 44

Manhattan Brooklyn \$174,075,200 \$103,890,446 49% 29% 926 Units 5,616 Units Bronx. \$52,827,900 Queens 15% Staten Island \$17,760,000 \$6,414,554 802 Units 2% 1,260 Units 693 Units

HIT Multifamily Investments

<sup>\*</sup>Interest is reinvested

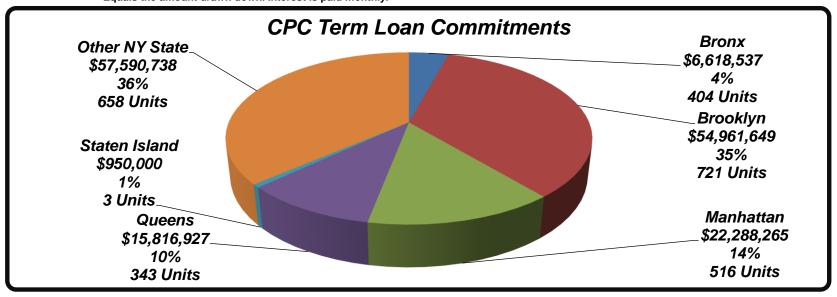
AFL-CIO Housing Inv	estment Trust (HIT)								
NYC Workforce Housing Initiative 2009-2013									
Investments Through	12/31/2013								
Workforce Investmen	ts Detail								
Worklorde investmen	is betain								
		<u>Investments</u>		<b>Housing Units</b>					
<u>Borough</u>	4 Q Investments	Since Inception	<b>4Q Housing Units</b>	Since Inception					
Bronx	\$0	\$0	0	0					
Brooklyn	0	8,051,087	0	422					
Manhattan	0	169,252,488	0	4,627					
Queens	0	50,028,425	0	2,607					
Staten Island	0	0	0	0					
Total	\$0	\$227,332,000	0	7,656					



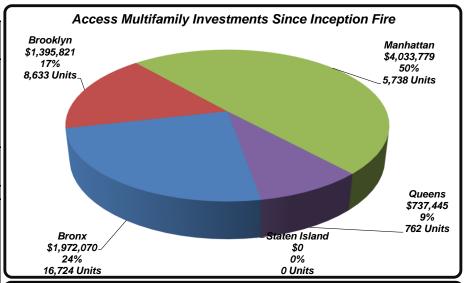
CPC Term Loan	
Commitments All Lenders as of 3Q	\$116,445,065
4Q Paydown	-\$15,809,688
Commitments All Lenders as of 4Q	\$100,635,377
Fire Commitment Share/Market Value* as of 3Q 2013	\$1,746,800
4Q Paydown	-\$82,563
Fire Commitment Share/Market Value* as of 4Q 2013	\$1,664,237

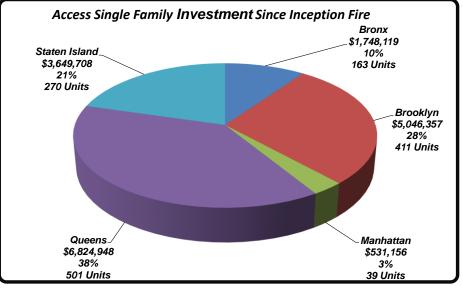
	# Lo	ans	\$ Committed (MM)		# Res. Unit	s	# Comm. Units		
	3Q	4Q	3Q	4Q	3Q	4Q	3Q	4Q	
Bronx	12	11	\$9.3	\$6.6	443	404	21	17	
Brooklyn	29	23	71.9	55.0	871	721	22	19	
Manhattan	24	22	17.9	22.3	548	516	20	17	
Queens	5	4	16.4	15.8	78	343	3	3	
Staten Island	1	1	1.0	1.0	3	3	0	0	
Grand Total NYC	71	61	\$116.4	\$100.6	1,943	1,987	66	56	
Other NY State	25	20	\$59.3	\$57.6	721	658	15	11	

<sup>\*</sup>Equals the amount drawn down. Interest is paid monthly.



ACCESS CAPITAL STRATEGIES (Since		<u> </u>		
\$19.0 million Allocated (6.33% of total	account)			
Market Value \$14.3 million				
Multifamily Investments Detail	4Q	Total	4Q	Total
Multilatility investments betain	\$ Invested		મહ Total Units	
Bronx	<u>\$ invested</u> 0.0	\$2.0	10tai 0111ts 0	16,724
Brooklyn	0.0	1.4	0	8,633
Manhattan	0.0	4.0	1,689	5,738
Queens	0.0	0.7	1,009	762
Staten Island	0.0	0.0	0	0
Total Fire Multifamily Investments	\$0.1	\$8.1	1,689	31,857
Total I lie multilalility investments	ψυ. ι	Ψ0	1,003	31,007
MultifamilyTotal All Systems	\$1.8	\$128.6	1,689	31,857
	¥	¥.==.	.,	0.,00.
Single Family Investments Detail	4Q	Total	4Q	Total
	\$ Invested	(MMs)	Total Units	
Bronx	\$0.3	\$1.7	32	163
Brooklyn	0.6	5.0	50	411
Manhattan	0.1	0.5	5	39
Queens	1.2	6.8	86	501
Staten Island	0.8	3.6	56	270
Total Fire Single Family Investments	\$3.1	\$17.8	229	1,384
Single Family Total All Systems	\$49.0	\$281.2	229	1,384
Other Investments Detail	4Q	Total	4Q	Total
	\$ Invested		# of Loans	<u>i</u>
Bronx	\$0.0	0.04	0	1
Brooklyn	0.0	0.3	0	8
Manhattan	0.0	0.2	0	5
Queens	0.0	0.03	0	3
Staten Island	0.0	0.0	0	0
Total Fire Other Investments	\$0.0	\$0.57	0	17
Other InvestmentsTotal All Systems	\$0.0	\$9.0	0	17
Grand Total Fire	\$3.2	\$26.5		
Grand Total All Systems	\$50.8	\$418.8		





Private Equity Quarterly Report



## **Private Equity Monitoring Report**

For the period ended September 30, 2013

Report Prepared For:

New York City Fire Department Pension Fund, Subchapter 2



NEW YORK LONDON SAN DIEGO BEIJING HONG KONG



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## **Important Information**

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All valuations are based on current values provided by the general partners of the Underlying Funds and may include both realized and unrealized investments. Due to the inherent uncertainty of valuation, the stated value may differ significantly from the value that would have been used had a ready market existed for all of the portfolio investments, and the difference could be material. The long-term value of these investments may be lesser or greater than the valuations provided.

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Past performance is not necessarily indicative of future results. Actual performance may vary.



## I. Executive Summary

The New York City Fire Department Pension Fund, Subchapter 2 ("NYCFDPF") established the Alternative Investment Program (the "Program") on January 1, 1997 on behalf of its beneficiaries to participate in attractive long-term investment opportunities and to provide diversification to its overall pension investment portfolio.

StepStone Group LP ("StepStone") was engaged by NYCFDPF on February 1, 2012 to provide private equity advisory services for prospective investment opportunities and monitoring and reporting services for existing and new investments.

Since inception through September 30, 2013, the Program has committed US\$1.3 billion to 143 partnership investments (the "Portfolio"). This quarterly monitoring report covers the performance of the Portfolio as of September 30, 2013 as well as significant activity that occurred during the third quarter of 2013.

#### **Performance Summary**

US\$ in millions	September 30, 2013	June 30, 2013	September 30, 2012	Quarterly Change	Yearly Change
Number of Managers	93	93	85	-	8
Number of Investments	143	143	129	-	14
Committed Capital <sup>1</sup>	\$1,333.4	\$1,330.4	\$1,147.3	\$2.9	\$186.1
Contributed Capital	\$956.5	\$934.5	\$842.2	\$22.0	\$114.3
Distributed Capital <sup>2</sup>	\$674.1	\$640.5	\$524.9	\$33.7	\$149.2
Market Value <sup>2</sup>	\$607.0	\$593.2	\$557.0	\$13.8	\$50.0
Total Value	\$1,281.1	\$1,233.6	\$1,081.9	\$47.5	\$199.2
Total Gain/(Loss)	\$324.6	\$299.1	\$239.7	\$25.5	\$85.0
Unfunded Commitment <sup>3</sup>	\$504.5	\$519.0	\$407.5	(\$14.5)	\$97.0
Total Exposure <sup>4</sup>	\$1,111.5	\$1,112.1	\$964.5	(\$0.7)	\$147.0
DPI <sup>5</sup>	0.70x	0.69x	0.62x	0.02x	0.08x
TVM <sup>6</sup>	1.34x	1.32x	1.28x	0.02x	0.05x
IRR <sup>7</sup>	10.6%	10.3%	9.9%	+ 29 bps	+ 69 bps
TVM Net of StepStone Fees <sup>8</sup>	1.34x	1.32x	1.28x	0.02x	0.06x
IRR Net of StepStone Fees <sup>8</sup>	10.6%	10.3%	9.9%	+ 30 bps	+ 70 bps

<sup>&</sup>lt;sup>1</sup>Committed Capital is presented net of any commitment releases or expirations and reflects foreign currency exchange rate fluctuations.

<sup>&</sup>lt;sup>2</sup> Please note that the Distributions and Market Value are presented Pro-Forma for the sale of nine partnership investments in secondary transactions that closed during the first half of 2012.

<sup>&</sup>lt;sup>3</sup> Unfunded Commitment represents the aggregate remaining commitments to partnership investments. Please note that the Unfunded Commitment is presented Pro-Forma for the sale of nine partnership investments in secondary transactions that closed during the first half of 2012.

<sup>&</sup>lt;sup>4</sup> Total Exposure represents the sum of Market Value and Unfunded Commitment.

<sup>&</sup>lt;sup>5</sup>DPI, or Distributed to Paid-In Multiple, is a performance metric that measures distributions received relative to capital invested. DPI is calculated as Distributed Capital divided by Contributed Capital.

<sup>&</sup>lt;sup>6</sup> TVM, or Total Value Multiple, is a performance metric that measures total value created by the Portfolio relative to capital invested, without consideration for time. TVM is calculated as Total Value, which is comprised of Market Value plus Distributed Capital, divided by Contributed Capital.

<sup>&</sup>lt;sup>7</sup> IRR, or Internal Rate of Return, is a performance metric that is calculated based on the Portfolio's daily cash flows and market value as of quarter-end. IRR is net of fund manager's fees, expenses and carried interest.

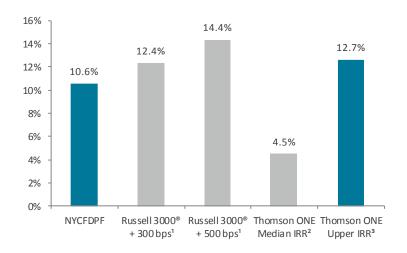
<sup>&</sup>lt;sup>8</sup> TVM and IRR Net of StepStone fees represent TVM and IRR net of fees paid by NYCFDPF to StepStone.

#### Portfolio Performance vs. Benchmarks

The Portfolio's performance is measured against two benchmarks:

- 1. A dollar-weighted public benchmark, which produced the return that would have been earned if NYCFDPF's private equity cash flows were invested in the Russell 3000® Index¹ plus a 300 and a 500 basis points liquidity premium (the Opportunity Cost Benchmark).
- 2. The Thomson ONE (formerly Venture Economics) Median Return (the Relative Benchmark).

The following graph illustrates Portfolio IRR performance versus benchmarks as of September 30, 2013.



<sup>1</sup>Benchmark is a dollar-weighted Long-Nickels calculation of quarterly changes in the Russell 3000® Index. Russell Investment Group is the source and owner of the trademark, service marks and copyrights related to the Russell Indexes. Russell® is a trademark of Russell Investment Group.

<sup>2</sup>Benchmark is provided by Thomson ONE and reflects U.S. All Private Equity Funds Median Quartile IRR as of September 30, 2013 for funds with vintage years 1998 to 2013. Note: Thomson ONE data is continuously updated and is therefore subject to change.

<sup>3</sup>Benchmark is for informational purposes only and is NOT part of the Program's Policy Benchmarks. Benchmark is provided by Thomson ONE and reflects U.S. All Private Equity Funds Upper Quartile IRR as of September 30, 2013 for funds with vintage years 1998 to 2013. Note: Thomson ONE data is continuously updated and is therefore subject to change.

#### **Portfolio Diversification**

#### **By Strategy**

	Market Value		Unfunded C	ommitment	Total Exposure	
As of September 30, 2013 (US\$ in millions)	\$	% of Total		% of Total		% of Total
Buyout	378.3	62.3%	290.5	57.6%	668.8	60.2%
Growth Equity	65.9	10.9%	90.3	17.9%	156.3	14.1%
Special Situations	23.3	3.8%	45.7	9.1%	69.0	6.2%
Energy	26.9	4.4%	4.6	0.9%	31.5	2.8%
Secondaries	47.2	7.8%	51.6	10.2%	98.8	8.9%
Co-Investment	1.4	0.2%	11.2	2.2%	12.6	1.1%
Other	64.0	10.5%	10.6	2.1%	74.6	6.7%
Total	607.0	100.0%	504.5	100.0%	1,111.5	100.0%

#### By Fund Geographic Focus

	Market	Market Value		ommitment	Total Exposure		
As of September 30, 2013 (US\$ in millions)	\$	% of Total		% of Total		% of Total	
North America	379.7	62.6%	281.4	55.8%	661.1	59.5%	
Global	162.5	26.8%	185.2	36.7%	347.7	31.3%	
Western Europe	55.4	9.1%	36.1	7.1%	91.5	8.2%	
Rest of World	9.3	1.5%	1.8	0.4%	11.1	1.0%	
Total	607.0	100.0%	504.5	100.0%	1.111.5	100.0%	

### **II. Market Overview**

#### **Executive Summary**

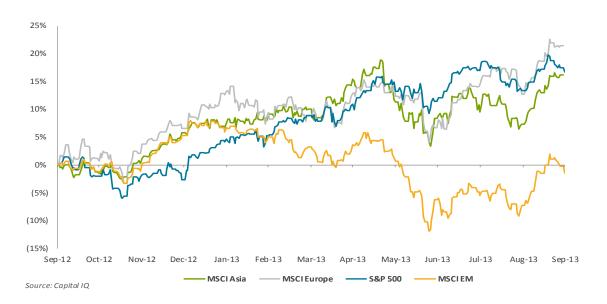
Equity markets continued the upward trend experienced in the first half of 2013. U.S. public equity markets delivered positive returns, helped by stronger economic data and the U.S. Federal Reserve's decision to not reduce its bond purchases. Ironically, stocks surged even higher with the formal announcement to taper the program (from US\$85 billion purchases of mortgage-backed securities and treasury bonds per month to US\$75 billion per month) coming in mid-December, interpreted by investors as a sign that the economy no longer needs as much stimulus. European and Asian public markets also posted gains, with Eurozone markets showing the biggest improvement over last quarter. Debt activity rebounded from a restrained US\$9.7 billion in the second quarter (due to a number of large deals falling through), to US\$31.5 billion in the third quarter, including a US\$12 billion loan issued to Verizon Communications Inc. ("Verizon"; NYSE: VZ). Purchase price multiples for U.S. LBOs increased to 8.5x EBITDA, bouncing back to the ten-year average. Fundraising activity picked up in the third quarter of 2013, increasing 4.9% from the second quarter, but private equity investment activity dropped by 50.6%, following the US\$23.2 billion investment in H.J. Heinz Co ("Heinz") in the second quarter. Exit activity declined, with most large IPOs occurring last quarter and M&A volume skewed by the US\$28.0 billion buyout of Heinz in the prior quarter.

#### **Capital Markets Overview**

#### **Public Equity Markets**

Several major stock market indices reached all-time highs during the third quarter of 2013. Since the last recession, they have demonstrated consistent positive trends, undergoing several cycles of steady progress with short-term corrections. U.S. equity markets rose, but stumbled as the quarter ended amid concerns about the growing likelihood of the federal government shutdown in October. Asian equity markets produced strong gains and the Eurozone economy is showing improvement, driven by impressive growth in the UK and the possibility that Greece may emerge from a six-year recession. Emerging markets posted positive returns during the quarter but are still lagging behind both U.S. and developed international markets. For the one-year period ending September 30, 2013, only the MSCI Emerging Market Index posted a negative return. The MSCI Europe Index posted the largest increase at 20.7% (as seen on the chart below).







The following table shows the holding period returns of three MSCI indices and the S&P 500, as well as the S&P 500 total return, over various time horizons from three months to ten years through September 30, 2013. For the first time this year, holding period returns for all three MSCI indices outperformed the S&P 500 over the quarter. The MSCI Europe posted the only double digit gain during the quarter with a strong return of 13.2%. On both a three-year and five-year horizon, the S&P 500 has significantly outperformed the other three indices. On the longer 10-year horizon, the MSCI Emerging Market Index grew by more than 160%, which was more than double the growth of the other three indices. The S&P 500 total return was 5.2% for the quarter.

Regiona	l Ind	lices
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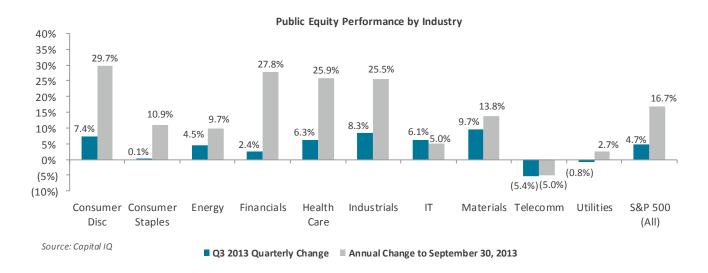
	Current Qtr	1 Yr	3 Yr	5 Yr	10 Yr
MSCI Asia	5.4%	14.2%	9.6%	28.0%	67.2%
MSCI Europe	13.2%	20.7%	16.9%	14.3%	68.0%
MSCI EM	5.0%	(1.5%)	(8.2%)	25.5%	161.5%
S&P 500	4.7%	16.7%	47.3%	44.2%	68.8%
S&P 500 Total Return*	5.2%	19.3%	57.2%	61.2%	107.4%

For the period ended September 30, 2013

\*Includes reinvestment of dividends.

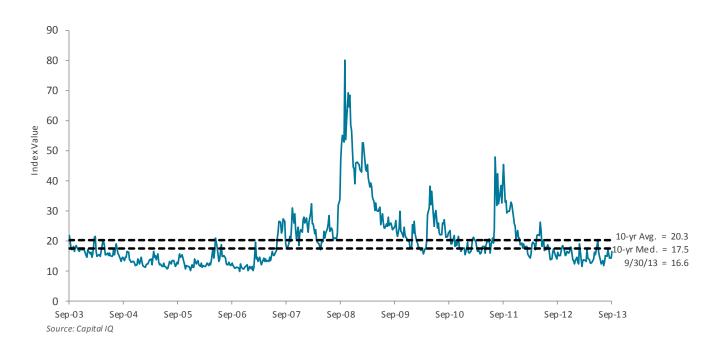
Source: Capital IQ

During the third quarter of 2013, weighted average stock prices increased in eight of ten industry sectors in the S&P 500. The best performing sectors were Materials and Industrials, which posted gains of 9.7% and 8.3%, respectively, for the quarter. Telecommunications fared the worst, posting a loss of 5.4%. Over the past 12 months, nine out of ten sectors exhibited positive performance, with Telecommunications posting the only loss of 5.0%. The chart below details the capitalization-weighted average change in stock prices for the S&P 500 by industry during the third quarter of 2013 and last 12 months ended September 30, 2013.



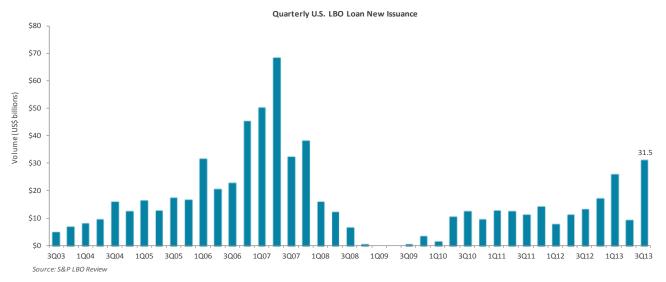
The CBOE Volatility Index ("VIX"), maintained by the Chicago Board Options Exchange, is a popular indicator of investor sentiment and public market volatility. VIX measures the market's expectation of 30-day volatility based on S&P 500 index option prices. At the end of the third quarter of 2013 the VIX was trading at 16.6, below the 10-year historical average of 20.3 and the 10-year median of 17.5. The graph below depicts the historical level of the VIX over the last ten years through September 30, 2013.

#### VIX Volatility Index (^VIX)

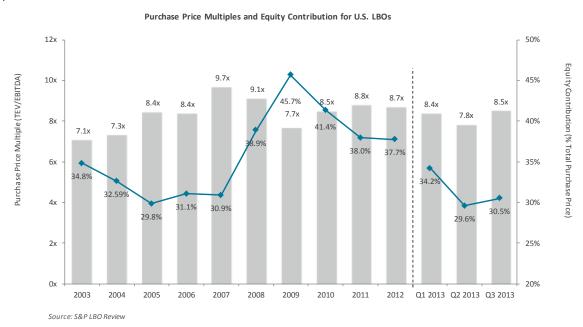


#### **Debt Markets**

U.S. LBO new loan issuance totaled US\$67.4 billion through the first three quarters of 2013, which already outpaces the roughly US\$50 billion seen in each of the previous two calendar years. Total loan volume of US\$31.5 billion in the third quarter of 2013 is skewed upwards for the third quarter due to the US\$12 billion loan issued to Verizon. This is in sharp contrast to the low of US\$9.7 billion issued last quarter, which was due to a number of large deals falling through and the expected reduction of the bond buying program by the Federal Reserve. The following chart shows the quarterly volume of U.S. LBO new loan issuance for the past ten years.



The average purchase price multiple for LBO deals in the third quarter of 2013 was 8.5x total enterprise value ("TEV") to EBITDA, notably higher than the previous quarter multiple of 7.8x. Purchase price multiples for larger transactions have historically been higher than those in smaller markets, and is reflective of the larger deals that closed during the quarter. The average equity contribution for LBOs increased as well, to 30.5% in the third quarter of 2013, up from 29.6% in the second quarter of 2013.



#### **Private Equity Market Overview**

#### **All Private Equity**

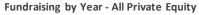
During the third quarter of 2013, private equity fund performance increased 4.9% compared to the S&P 500 which saw an increase of 4.7% during the same period. Of note, the Large Buyouts sector increased 6.6% during the quarter, the largest single-sector increase during the third quarter. The table below shows the pooled Internal Rate of Return ("IRR") performance of global private equity investments by sector over various investment horizons from 3 months to 20 years through September 30, 2013.

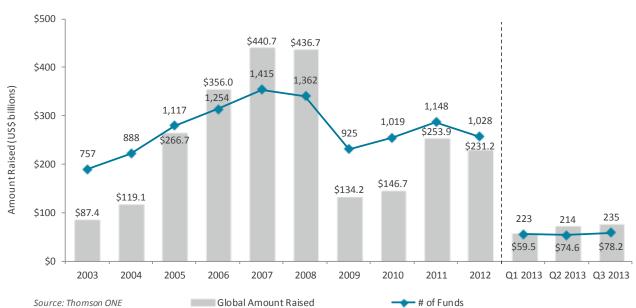
Sector	3 Mo	6 Mo	1 Yr	3 Yr	5 Yr	10 Yr	20 Yr
Venture Capital	4.1%	7.7%	8.2%	5.2%	2.3%	5.0%	14.8%
All Buyouts	5.8%	9.6%	19.5%	11.2%	7.2%	10.7%	10.6%
Small/Middle Buyouts (<\$2bn)	3.1%	6.9%	13.6%	8.9%	5.4%	11.4%	11.6%
Large Buyouts (>\$2bn)	6.6%	10.4%	21.1%	12.2%	8.0%	10.4%	9.7%
Mezzanine	2.8%	5.1%	13.9%	7.0%	4.6%	7.0%	7.6%
All Private Equity	4.9%	8.6%	17.4%	10.2%	6.6%	9.6%	11.2%

Source: Thomson ONE

#### **Fundraising**

Private equity fundraising totaled US\$78.2 billion in the third quarter of 2013, representing an increase of 4.9% from the prior quarter's total of US\$74.6 billion and an increase of 17.9% from the same period in the prior year. Buyout funds accounted for 68.5% of the amount raised during the third quarter, higher than the 10-year average of 66.3%. Venture Capital fundraising was up for the quarter, raising US\$7.8 billion, an increase from US\$5.1 billion last quarter. The chart below shows private equity fundraising activity by calendar year over the last ten years and year-to-date through the third quarter of 2013.





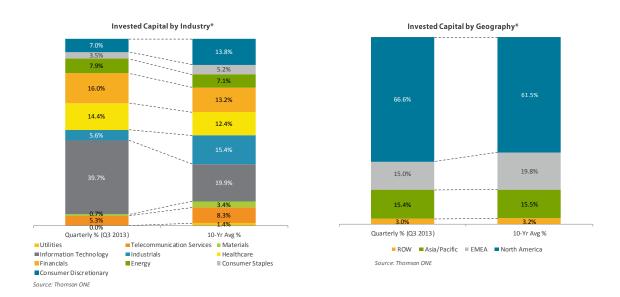
#### **Investment Activity**

Private equity funds invested US\$23.6 billion during the third quarter, a decrease of 50.6% from the prior quarter. The large quarter-over-quarter decrease is attributable to the US\$23.2 billion investment in Heinz, made during the second quarter. The average investment size during the quarter fell to US\$8.0 million, or down 50.0%, quarter-over-quarter.

#### Investment Activity - All Private Equity



The graphs below depict the percentage of invested capital by industry and geography for the third quarter of 2013 and over the last ten years. The Information Technology sector attracted the most capital, including a transaction valued at US\$1.0 billion for Digital Insight, a financial management software company, by Thoma Bravo, a middle-market private equity firm. The sector accounted for US\$9.3 billion of transactions, or 39.7% of total capital invested during the third quarter by private equity firms, compared to a 10-year pro rata average of 19.9%. In the third quarter of 2013, investment activity in the North America region was above the historical average, representing 66.6% of total invested capital during the quarter compared to 61.5% over the last ten years.



<sup>\*</sup>Note: Invested Capital is for all private equity from Q3 2003 – Q3 2013.

#### **Deal Environment**

During the third quarter of 2013, there were 40 private equity-backed IPOs which raised a total of US\$6.8 billion, compared to 43 IPOs which raised US\$13.0 billion in the second quarter of 2013. On a year-over-year basis, third quarter 2013 activity was up 63.1% in terms of total dollars raised. The only IPO valued over US\$1 billion during the quarter was Envision Healthcare Group ("Envision"; NYSE: EVHC), a healthcare-related service company, which raised US\$1.1 billion. Since the IPO on August 14, 2013 at US\$25.05 per share, Envision's share price has increased 3.9% to US\$26.03 per share as of September 30, 2013. The second-largest IPO was Pattern Energy Group LP (NASDAQ: PEGI), an industrial energy company, which raised US\$404.8 million.

#### IPO Activity - All Private Equity





Private equity-backed Mergers and Acquisitions ("M&A") deal activity decreased moderately in the third quarter of 2013 in terms of deal value, largely due to the US\$28.0 billion Heinz buyout deal last quarter. Deal value for the quarter totaled US\$112.1 billion, representing a decrease of 20.7% from last quarter and an increase of 2.8% from the third quarter of 2012. Exit opportunities increased slightly, with 587 deals closing during the third quarter of 2013, compared to 576 exits last quarter.

#### M&A Activity - All Private Equity



## III. Portfolio Review

#### **Quarterly Highlights**

- Cash Flow Activity During the third quarter of 2013, the Portfolio made US\$22.0 million of contributions and received US\$33.7 million of distributions, for a net cash inflow of US\$11.7 million, compared to a net cash inflow of US\$19.6 million during the prior quarter and a net cash inflow of US\$11.1 million during the third quarter of 2012. Contributions decreased 8.1% from the prior quarter and 29.3% from the third quarter of 2012. The most recent four quarter average of the Program's contributions is US\$28.6 million. Distributions decreased 22.6% from the prior quarter and 20.2% from the third quarter of 2012. The most recent four quarter average of the Program's distributions is US\$37.3 million.
- Recent Portfolio Activity During the third quarter of 2013, net of cash flow activity and Pro-Forma for the Secondary Sale, the valuation of the Portfolio increased by US\$25.5 million, or 4.4%, from the prior quarter. The increase in Portfolio value is primarily attributable to strong performance of mega buyout funds during the quarter, which generated a US\$9.8 million increase in valuation from the prior quarter-end. During the last twelve months, net of cash flow activity and Pro-Forma for the Secondary Sale, the valuation of the Portfolio increased by US\$85.0 million, or 16.3%, from the quarter ended September 30, 2012.
- New Investment Commitments There were no new investment commitments made during the third quarter of 2013.
- **Subsequent Investment Commitments** Subsequent to quarter-end through March 5, 2014, the Program closed on two new investment commitments, totaling US\$5.0 million.

As of March 5, 2014 (US\$ in millions)	<b>Month Closed</b>	Sub-Strategy	Geographic Focus	Commi	tted Capital
Vista Foundation Fund II, L.P.	October 2013	Growth	North America	\$	5.0
FTV IV, LP	November 2013	Growth	North America		5.0
Total				\$	10.0

#### **Investment Performance**

#### **Since Inception Performance**

US\$ in millions	September 30, 2013	June 30, 2013	September 30, 2012	Quarterly Change	Yearly Change
Active Investments					<u> </u>
Number of Managers	85	85	77	-	8
Number of Investments	133	133	119	_	14
Committed Capital <sup>1</sup>	\$1,292.6	\$1,289.6	\$1,106.5	\$2.9	\$186.1
Contributed Capital	\$910.8	\$888.9	\$796.6	\$22.0	\$114.3
Distributed Capital <sup>2</sup>	\$624.3	\$590.6	\$475.0	\$33.7	\$149.2
Market Value <sup>2</sup>	\$607.0	\$593.2	\$557.0	\$13.8	\$50.0
Total Value	\$1,231.2	\$1,183.7	\$1,032.0	\$47.5	\$199.2
Total Gain/(Loss)	\$320.4	\$294.9	\$235.4	\$25.5	\$85.0
Unfunded Commitment <sup>3</sup>	\$504.5	\$519.0	\$407.5	(\$14.5)	\$97.0
Total Exposure <sup>4</sup>	\$1,111.5	\$1,112.1	\$964.5	(\$0.7)	\$147.0
DPI <sup>5</sup>	0.69x	0.66x	0.60x	0.02x	0.09x
TVM <sup>6</sup>	1.35x	1.33x	1.30x	0.02x	0.06x
IRR <sup>7</sup>	10.9%	10.6%	10.2%	+ 24 bps	+ 69 bps
Exited Investments				·	
Number of Managers	8	8	8	-	-
Number of Investments	10	10	10	-	-
Committed Capital <sup>1</sup>	\$40.8	\$40.8	\$40.8	\$0.0	\$0.0
Contributed Capital	\$45.6	\$45.6	\$45.6	\$0.0	\$0.0
Distributed Capital <sup>2</sup>	\$49.9	\$49.9	\$49.9	\$0.0	\$0.0
Total Value	\$49.9	\$49.9	\$49.9	\$0.0	\$0.0
Total Gain/(Loss)	\$4.3	\$4.3	\$4.3	\$0.0	\$0.0
Unfunded Commitment <sup>3</sup>	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
DPI <sup>5</sup>	1.09x	1.09x	1.09x	0.00x	0.00x
TVM <sup>6</sup>	1.09x	1.09x	1.09x	0.00x	0.00x
IRR <sup>7</sup>	3.3%	3.4%	3.6%	- 6 bps	- 25 bps
Total Portfolio					
Number of Managers	93	93	85	-	8
Number of Investments	143	143	129	-	14
Committed Capital <sup>1</sup>	\$1,333.4	\$1,330.4	\$1,147.3	\$2.9	\$186.1
Contributed Capital	\$956.5	\$934.5	\$842.2	\$22.0	\$114.3
Distributed Capital <sup>2</sup>	\$674.1	\$640.5	\$524.9	\$33.7	\$149.2
Market Value <sup>2</sup>	\$607.0	\$593.2	\$557.0	\$13.8	\$50.0
Total Value	\$1,281.1	\$1,233.6	\$1,081.9	\$47.5	\$199.2
Total Gain/(Loss)	\$324.6	\$299.1	\$239.7	\$25.5	\$85.0
Unfunded Commitment <sup>3</sup>	\$504.5	\$519.0	\$407.5	(\$14.5)	\$97.0
Total Exposure <sup>4</sup>	\$1,111.5	\$1,112.1	\$964.5	(\$0.7)	\$147.0
DPI <sup>5</sup>	0.70x	0.69x	0.62x	0.02x	0.08x
TVM <sup>6</sup>	1.34x	1.32x	1.28x	0.02x	0.05x
IRR <sup>7</sup>	10.6%	10.3%	9.9%	+ 29 bps	+ 69 bps

<sup>&</sup>lt;sup>1</sup> Committed Capital is presented net of any commitment releases or expirations and reflects foreign currency exchange rate fluctuations.

<sup>2</sup> Please note that the Distributions and Market Value are presented Pro-Forma for the sale of nine partnership investments in secondary transactions that closed during the first half of 2012.

<sup>3</sup> Unfunded Commitment represents the aggregate remaining commitments to partnership investments. Please note that the Unfunded Commitment is presented Pro-Forma for the sale of nine partnership investments in secondary transactions that closed during the first half of 2012.

Total Exposure represents the sum of Market Value and Unfunded Commitment.

<sup>&</sup>lt;sup>5</sup> DPI, or Distributed to Paid-In Multiple, is a performance metric that measures distributions received relative to capital invested. DPI is calculated as Distributed Capital divided by Contributed Capital.

<sup>6</sup> TVM, or Total Value Multiple, is a performance metric that measures total value created by the Portfolio relative to capital invested, without consideration for time. TVM is calculated as Total Value, which is comprised of Market Value plus Distributed Capital, divided by Contributed Capital.

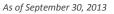
<sup>7</sup> IRR, or Internal Rate of Return, is a performance metric that is calculated based on the Portfolio's daily cash flows and market value as of quarter-end. IRR is net of fund manager's fees, expenses and carried interest.

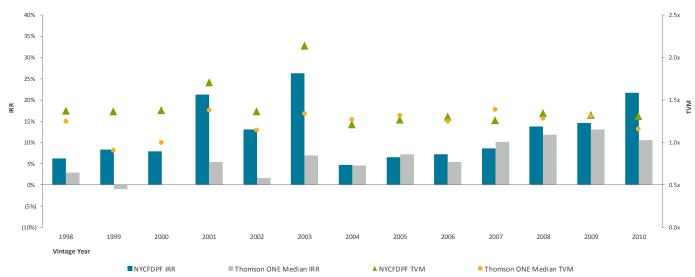
#### **Performance by Vintage Year**

The following table and chart illustrate the Portfolio's since inception investment performance by vintage year as of September 30, 2013 Pro-Forma for the Secondary Sale relative to the median quartile U.S. All Private Equity TVM and IRR benchmarks as provided by Thomson ONE. Performance of funds that are less than one year old are not meaningful. Note that Thomson ONE data is continuously updated and is therefore subject to change.

As of September 30, 2013 (US\$ in millions)

Vintage Year	Committed Capital	Contributed Capital	Distributed Capital	Market Value	Unfunded Commitment	Total Exposure	TVM	IRR	Thomson ONE U.S. All PE Median Quartile TVM	Thomson ONE U.S. All PE Median Quartile IRR
1998	\$10.0	\$10.0	\$12.9	\$0.9	\$0.0	\$0.9	1.37x	6.3%	1.25x	2.9%
1999	54.5	62.9	77.8	8.1	0.7	8.8	1.37x	8.4%	0.91x	(1.0%)
2000	28.8	33.8	40.9	5.8	0.3	6.1	1.38x	7.9%	1.00x	0.0%
2001	49.1	58.5	95.9	3.9	2.0	6.0	1.71x	21.3%	1.38x	5.5%
2002	10.0	12.2	12.0	4.8	0.3	5.0	1.37x	13.2%	1.14x	1.7%
2003	28.9	32.2	55.7	13.3	2.6	16.0	2.14x	26.3%	1.34x	7.0%
2004	46.3	47.1	34.6	22.7	3.9	26.6	1.22x	4.8%	1.27x	4.5%
2005	115.0	117.0	73.7	74.6	7.3	81.9	1.27x	6.5%	1.32x	7.2%
2006	115.8	125.4	75.9	87.5	9.1	96.6	1.30x	7.2%	1.25x	5.4%
2007	114.4	114.4	66.7	77.7	11.9	89.6	1.26x	8.6%	1.39x	10.2%
2008	183.1	170.3	85.5	143.3	42.9	186.2	1.34x	13.8%	1.29x	11.9%
2009	46.9	36.4	15.1	33.2	12.8	45.9	1.33x	14.6%	1.31x	13.1%
2010	42.5	24.0	11.6	19.8	24.0	43.8	1.31x	21.7%	1.16x	10.5%
2011	171.1	82.3	10.6	84.9	96.7	181.6	1.16x	14.3%	1.09x	8.0%
2012	158.8	29.0	5.1	26.0	132.2	158.2	1.07x	NM	0.95x	NM
2013	158.3	0.8	0.3	0.4	157.8	158.1	0.79x	NM	0.90x	NM
Total	\$1,333.4	\$956.5	\$674.1	\$607.0	\$504.5	\$1,111.5	1.34x	10.6%	1.17x	4.5%





#### Portfolio Periodic Returns vs. Russell 3000® Index

As of September 30, 2013	1 Year	3 Year	5 Year	10 Year	Since Inception
NYCFDPF IRR	15.3%	12.4%	9.5%	11.9%	10.6%
Russell 3000®1	21.4%	17.2%	13.6%	10.4%	9.4%
Russell 3000® + 300 bps¹	24.4%	20.2%	16.6%	13.4%	12.4%
Russell 3000® + 500 bps¹	26.4%	22.2%	18.6%	15.4%	14.4%
NYCFDPF Outperformance/(Underperformance)					
vs. Russell 3000® + 300 bps¹	(9.2%)	(7.8%)	(7.1%)	(1.5%)	(1.8%)
vs. Russell 3000® + 500 bps¹	(11.2%)	(9.8%)	(9.1%)	(3.5%)	(3.8%)

<sup>&</sup>lt;sup>1</sup>Benchmark is a dollar-weighted Long-Nickels calculation of quarterly changes in the Russell 3000® Index. Russell Investment Group is the source and owner of the trademark, service marks and copyrights related to the Russell Indexes. Russell® is a trademark of Russell Investment Group.

#### Performance by Strategy / Sub-Strategy

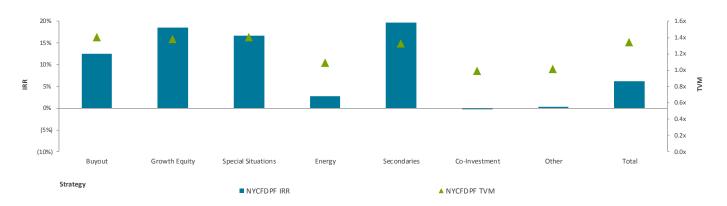
The following table and charts illustrate the Portfolio's since inception investment performance by strategy and substrategy as of September 30, 2013 Pro-Forma for the Secondary Sale.

As of September 30,2013 (US\$ in millions)

Strategy / Sub-Strategy	Committed Capital	Contributed Capital	Distributed Capital	Market Value	Unfunded Commitment	Total Exposure	TVM	IRR
Buyout	\$839.1	\$643.9	\$526.2	\$378.3	\$290.5	\$668.8	1.40x	12.6%
Mega Buyout	274.7	148.7	110.9	112.6	152.0	264.6	1.50x	16.0%
Large Buyout	128.3	106.5	138.7	40.6	42.8	83.4	1.68x	26.6%
Middle-Market Buyout	226.4	203.6	145.5	118.2	54.0	172.1	1.30x	7.5%
Small Buyout	209.7	185.2	131.1	106.9	41.7	148.6	1.29x	9.4%
Growth Equity	151.2	72.9	34.5	65.9	90.3	156.3	1.38x	18.5%
Special Situations	75.4	36.6	28.3	23.3	45.7	69.0	1.41x	16.7%
Energy	37.5	36.6	13.0	26.9	4.6	31.5	1.09x	2.7%
Secondaries	99.6	49.0	18.0	47.2	51.6	98.8	1.33x	19.7%
Co-Investment	13.4	2.4	1.0	1.4	11.2	12.6	0.99x	-0.3%
Other	117.1	115.1	53.1	64.0	10.6	74.6	1.02x	0.4%
Venture Capital	106.6	102.5	39.2	59.9	9.6	69.4	0.97x	-0.8%
Mezzanine	10.5	12.6	14.0	4.1	1.0	5.1	1.43x	15.0%
Total	\$1,333.4	\$956.5	\$674.1	\$607.0	\$504.5	\$1,111.5	1.34x	6.2%

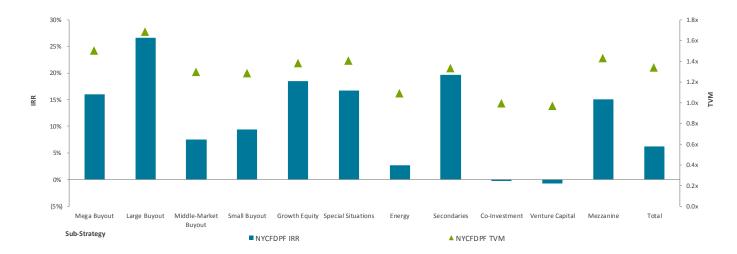
#### **Performance by Strategy**

As of September 30, 2013



#### **Performance by Sub-Strategy**

As of September 30, 2013



#### **Portfolio Diversification**

The following tables illustrate the Portfolio's diversification by strategy and fund geographic focus as of September 30, 2013 Pro-Forma for the Secondary Sale.

#### By Strategy/Sub-Strategy

	Marke	Market Value		ommitment	Total Exposure	
As of September 30, 2013 (US\$ in millions)	\$	% of Total		% of Total		% of Total
Buyout	378.3	62.3%	290.5	57.6%	668.8	60.2%
Mega Buyout	112.6	18.6%	152.0	30.1%	264.6	23.8%
Large Buyout	40.6	6.7%	42.8	8.5%	83.4	7.5%
Middle-Market Buyout	118.2	19.5%	54.0	10.7%	172.1	15.5%
Small Buyout	106.9	17.6%	41.7	8.3%	148.6	13.4%
Growth Equity	65.9	10.9%	90.3	17.9%	156.3	14.1%
Special Situations	23.3	3.8%	45.7	9.1%	69.0	6.2%
Energy	26.9	4.4%	4.6	0.9%	31.5	2.8%
Secondaries	47.2	7.8%	51.6	10.2%	98.8	8.9%
Co-Investment	1.4	0.2%	11.2	2.2%	12.6	1.1%
Other	64.0	10.5%	10.6	2.1%	74.6	6.7%
Venture Capital	59.9	9.9%	9.6	1.9%	69.4	6.2%
Mezzanine	4.1	0.7%	1.0	0.2%	5.1	0.5%
Total	607.0	100.0%	504.5	100.0%	1,111.5	100.0%

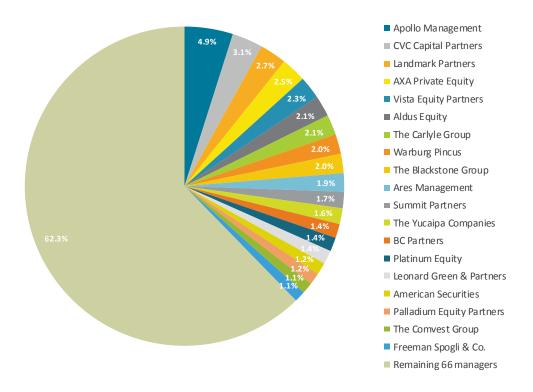
#### **By Fund Geographic Focus**

	Market	Market Value		ommitment	Total Exposure		
As of September 30, 2013 (US\$ in millions)	\$	% of Total		% of Total		% of Total	
North America	379.7	62.6%	281.4	55.8%	661.1	59.5%	
Global	162.5	26.8%	185.2	36.7%	347.7	31.3%	
Western Europe	55.4	9.1%	36.1	7.1%	91.5	8.2%	
Rest of World	9.3	1.5%	1.8	0.4%	11.1	1.0%	
Total	607.0	100.0%	504.5	100.0%	1,111.5	100.0%	

#### By Investment Manager

As of September 30, 2013 and Pro Forma for the Secondary Sale, the Portfolio was highly diversified by investment manager, with 19 managers comprising US\$672.8 million, or 37.7% of total exposure. The remaining 66 managers comprised 62.3% of total exposure as of quarter-end.

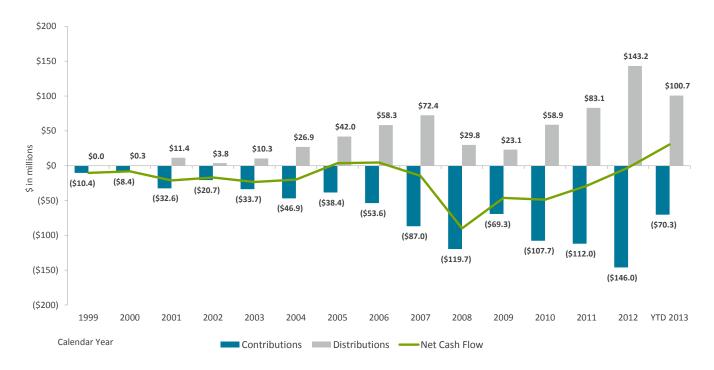
Portfolio Total Exposure by Investment Manager
As of September 30, 2013



#### **Portfolio Cash Flow Analysis**

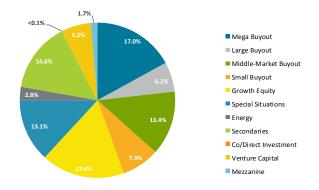
#### Year to Date Cash Flow Activity

During the nine months ended September 30, 2013, the Portfolio made US\$70.3 million of contributions and received US\$100.7 million of distributions, for a net cash inflow of US\$30.5 million, compared to a net cash outflow of US\$2.8 million during the same period in the prior year. The graph below illustrates cash flow activity since inception by calendar year.

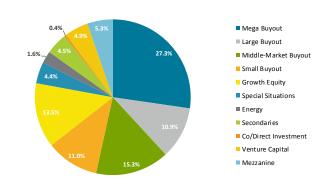


Buyout funds were the most active in terms of cash flow activity during the first nine months of 2013. Buyout funds drew down US\$31.3 million, or 44.5% of total contributions during first nine months of 2013, and distributed US\$64.9 million, or 64.4% of total distributions during the first nine months of 2013.

#### YTD 2013 Total Contributed by Sub-Strategy



#### YTD 2013 Total Distributed by Sub-Strategy



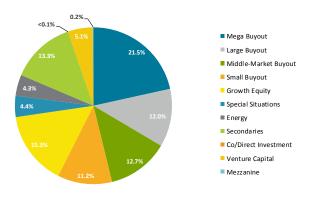
#### **Quarterly Cash Flow Activity**

During the third quarter of 2013, the Portfolio made US\$22.0 million of contributions and received US\$33.7 million of distributions, for a net cash inflow of US\$11.7 million. The graph below illustrates recent cash flow activity by quarter.

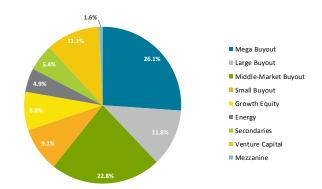


Buyout funds were the most active in terms of cash flow activity during the third quarter of 2013. Buyout funds drew down US\$12.6 million, or 57.4% of total contributions during the quarter, and distributed US\$24.2 million, or 71.2% of total distributions during the quarter.

#### Q3 2013 Total Contributed by Sub-Strategy

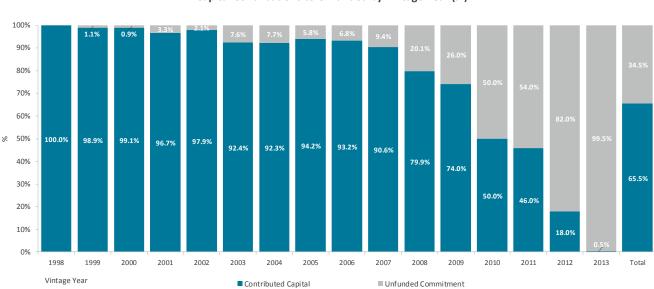


#### Q3 2013 Total Distributed by Sub-Strategy



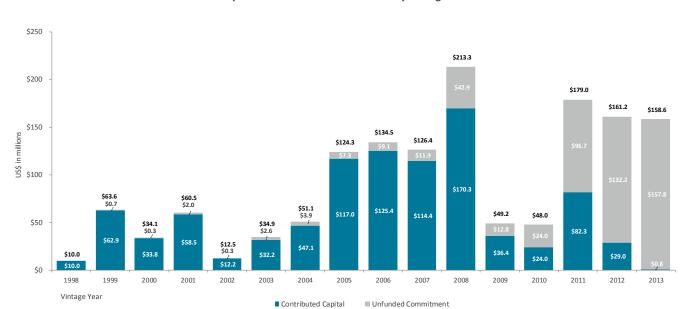
#### **Invested Capital by Vintage Year**

The following chart illustrates cumulative net capital contributions as a percentage of total capital commitments, by fund vintage year, as of September 30, 2013 Pro-Forma for the Secondary Sale.



#### Capital Contributions to Unfunded by Vintage Year (%)

The following chart illustrates cumulative net capital contributions relative to unfunded commitment, by fund vintage year, as of September 30, 2013 Pro-Forma for the Secondary Sale.



#### **Capital Contributions to Unfunded by Vintage Year**

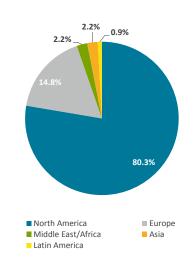


#### **Portfolio Company-Level Analysis**

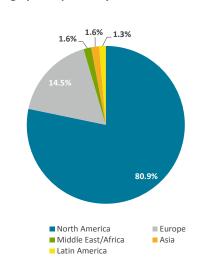
#### **Geographic Exposure**

The following charts illustrate the Portfolio's current exposure by geography at the portfolio company level as of September 30, 2013.

#### **Geographic Exposure by Current Cost**



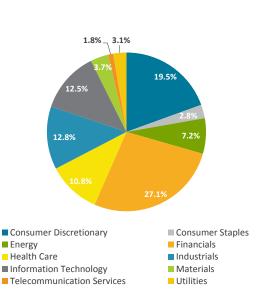
#### **Geographic Exposure by Current Market Value**



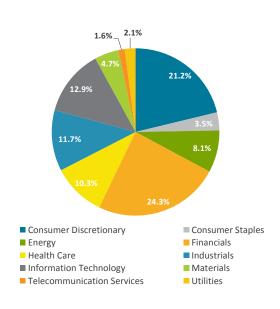
#### **Industry Exposure**

The following charts illustrate the Portfolio's current exposure by industry at the portfolio company level as of September 30, 2013. Please note that the Financials category includes investments in various debt securities as well as certain undisclosed fund of funds investments.

#### **Industry Exposure by Current Cost**



#### **Industry Exposure by Current Market Value**

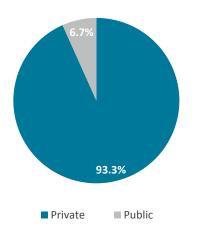




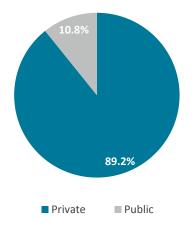
#### **Public Market Exposure**

As of quarter-end, publicly traded investments comprised 6.7% of the Portfolio's exposed cost and 10.8% of the Portfolio's exposed market value. The following charts illustrate the current public market exposure at the portfolio company level.

**Public Market Exposure by Current Cost** 



**Public Market Exposure Current Market Value** 



# IV. Appendix



# New York City Fire Department Pension Fund, Subchapter 2 Private Equity Portfolio As of September 30, 2013 (in USD)

Vintage Year	Investment	First Drawdown	Committed Capital	Net Contributed Capital	Net Distributed Capital	Market Value	Multiple	IRR
Active Inv	vestments							
1998	VS&A Communications Partners III, L.P.	12/15/1998	\$ 10,000,000	\$ 10,047,732	\$ 12,857,032	\$ 924,457	1.37x	0.0629
1999	Cypress Merchant Banking Partners II, L.P.	3/29/1999	22,586,486	26,930,800	21,720,353	2,136,153	0.89x	(2.5%)
1999	FdG Capital Partners LLC	6/2/1999	25,000,000	28,702,545	42,513,323	5,169,592	1.66x	14.9%
1999	Lincolnshire Equity Fund II, L.P.	10/20/1999	6,899,005	7,223,050	13,589,571	807,674	1.99x	24.9%
2000	Carlyle Partners III, L.P.	3/1/2000	13,793,931	16,977,941	35,986,762	23,556	2.12x	23.3%
2000	SCP Private Equity Partners II, L.P.	6/15/2000	15,000,000	16,812,706	4,955,624	5,759,227	0.64x	(6.3%
2001	New Mountain Partners, L.P.	3/16/2001	9,070,967	8,553,824	11,454,301	946,728	1.45x	12.5%
2001 2001	Apollo Investment Fund V, L.P. Prism Venture Partners IV, L.P.	4/13/2001 7/12/2001	15,000,000 15,000,000	23,362,606 15,022,654	44,801,747 11,017,733	1,769,606 18,014	1.99x 0.73x	38.9% (6.5%
2001	CVC European Equity Partners III, L.P.	9/4/2001	10,000,000	11,579,021	28,606,892	1,212,308	2.58x	41.1%
2002	Yucaipa American Alliance Fund I, LP	7/1/2002	5,000,000	7,491,869	5,580,336	3,897,669	1.27x	7.9%
2002	Landmark Equity Partners XI, L.P.	10/23/2002	5,000,000	4,744,911	6,396,003	859,302	1.53x	24.1%
2003	FS Equity Partners V, L.P.	1/20/2003	10,000,000	9,142,354	15,104,892	3,879,616	2.08x	17.3%
2003	Blackstone Capital Partners IV, L.P.	2/26/2003	13,875,989	17,079,987	32,343,731	8,543,885	2.39x	37.2%
2003	Ares Corporate Opportunities Fund, L.P.	4/1/2003	5,000,000	6,000,993	8,263,441	903,310	1.53x	13.9%
2004	Markstone Capital Partners, LP	1/30/2004	5,000,000	5,257,992	2,446,015	2,044,871	0.85x	(4.1%)
2004	Euro Choice II (Delaware) L.P.	2/25/2004	6,759,914	6,714,168	4,290,723	5,358,988	1.44x	7.9%
2004	FdG Capital Partners II LP	8/30/2004	5,000,000	5,259,073	4,007,894	1,472,532	1.04x	0.9%
2004	Paladin Homeland Security Fund (NY City), L.P.	9/27/2004	7,500,000	8,009,017	1,336,032	3,692,474	0.63x	(7.5%)
2004	Lincolnshire Equity Fund III, L.P.	10/1/2004	5,000,000	4,725,204	5,604,791	3,112,339	1.84x	34.3%
2004	New York/Fairview Emerging Managers Fund, L.PTranche 1	10/21/2004	2,000,000	1,850,000	566,756	1,336,650	1.03x	0.7%
2004	Aurora Equity Partners III L.P.	11/16/2004	5,000,000	5,421,488	4,949,923	3,935,949	1.64x	14.1%
2004	Trilantic Capital Partners III L.P.	11/18/2004	5,000,000	4,451,193	7,184,238	246,461	1.67x	15.0%
2004	Celtic Pharmaceutical Holdings L.P.	12/23/2004	2,500,000	2,540,209	40,209	1,520,274	0.61x	(7.7%
2005	Palladium Equity Partners III, L.P.	11/12/2004	10,000,000	10,003,593	7,966,390	9,799,963	1.78x	18.1%
2005	New Mountain Partners II, L.P.	1/12/2005	2,580,650	2,298,286	3,323,930	1,013,226	1.89x	13.6%
2005	VSS Communications Partners IV, L.P.	3/14/2005	2,500,000	2,682,658	714,735	1,356,991	0.77x	(5.3%)
2005	Carlyle Partners IV, L.P.	4/29/2005	5,000,000	5,077,850	6,612,092	3,026,417	1.90x	12.9%
2005	Prism Venture Partners V-A, L.P.	7/14/2005	7,500,000	7,574,945	2,956,169	3,325,104	0.83x	(4.5%)
2005	Aldus/New York Fire Fund, L.P.	8/19/2005	54,862,500	55,045,345	27,101,092	35,331,350	1.13x	4.0%
2005	Snow Phipps Group, L.P.	9/7/2005	5,000,000	5,316,493	3,489,118	3,288,033	1.27x	8.4%
2005	GI Partners Fund II L.P.	9/26/2005	2,500,000	2,522,154	2,458,172	1,338,382	1.51x	7.7%
2005	Blackstone Mezzanine Partners II, L.P.	10/10/2005	3,000,000	2,856,299	3,044,923	691,203	1.31x	7.8%
2005	Psilos Group Partners III, L.P.	10/24/2005	2,500,000	2,545,059	1,282,054	2,087,945	1.32x	7.5%
2005	FirstMark Capital I, L.P. (fka FirstMark IV)	11/21/2005	1,500,000	1,622,375	1,563,523	3,836,893	3.33x	42.2% 5.1%
2005 2005	USPF II Institutional Fund, L.P. Bridgepoint Europe III	11/23/2005 12/6/2005	5,000,000 5,484,169	6,594,940 4,993,430	3,574,886 2,573,844	4,410,858 2,999,056	1.21x 1.12x	2.0%
2005	JP Morgan Fleming (Tranche A)	12/21/2005	3,000,000	2,733,940	1,166,723	2,142,355	1.12X 1.21X	5.6%
2006	Aisling Capital II, LP	1/12/2006	1,000,000	1,049,663	368,746	713,346	1.03x	0.7%
2006	InterMedia Partners VII, L.P.	1/20/2006	2,500,000	2,783,727	354,172	3,711,778	1.46x	7.6%
2006	Terra Firma Capital Partners III, L.P.	3/8/2006	5,224,897	4,992,951	111,319	2,841,106	0.59x	(12.6%)
2006	Fenway Partners Capital Fund III, L.P.	3/29/2006	5,000,000	5,599,921	2,703,688	2,290,245	0.89x	(3.2%)
2006	Blackstone Capital Partners V, L.P.	4/13/2006	9,625,000	9,842,556	3,432,190	9,318,686	1.30x	5.5%
2006	Avista Capital Partners, L.P.	4/27/2006	5,000,000	6,305,136	4,606,703	3,963,369	1.36x	8.0%
2006	Apollo Investment Fund VI, L.P.	5/10/2006	20,000,000	24,907,204	20,940,848	17,923,539	1.56x	11.3%
2006	Ares Corporate Opportunities Fund II, L.P.	5/23/2006	5,000,000	5,448,347	7,013,482	2,042,728	1.66x	14.1%
2006	CCMP Capital Investors II, L.P.	8/17/2006	5,000,000	5,417,209	3,356,475	4,810,474	1.51x	14.6%
2006	Perseus Partners VII, L.P.	8/31/2006	5,000,000	5,602,075	1,396,077	1,211,490	0.47x	(21.9%)
2006	Euro Choice III L.P.	11/21/2006	5,370,349	4,954,595	1,041,147	4,309,958	1.08x	2.4%
2006	Catterton Partners VI, L.P.	12/14/2006	5,000,000	5,348,057	3,699,776	5,979,670	1.81x	14.8%
2006	First Reserve Fund XI, L.P.	12/14/2006	5,000,000	5,283,208	2,385,097	3,883,176	1.19x	4.5%
2006	Permira IV, L.P.	12/14/2006	5,482,010	5,711,580	2,541,339	5,173,456	1.35x	7.8%
2006	RRE Ventures IV, L.P.	12/19/2006	2,500,000	2,778,898	477,155	3,501,634	1.43x	10.1%
2006	Coller International Partners V, L.P.	12/21/2006	5,000,000	4,197,693	2,064,275	3,286,994	1.27x	7.5%
2006	MidOcean Partners III, L.P.	12/21/2006	10,000,000	10,055,800	2,304,139	10,022,667	1.23x	6.0%
2006	The Fourth Cinven Fund	1/22/2007	2,818,567	2,777,678	1,437,297	2,502,222	1.42x	8.7%
2007	Pegasus Partners IV, L.P.	1/29/2007	7,500,000	8,004,917	3,490,940	6,739,321	1.28x	7.0%
2007	Olympus Capital Asia III, L.P.	1/31/2007	5,000,000	4,625,690	897,719	3,747,396	1.00x	0.2%
2007	FTVentures III, LP	3/1/2007	2,500,000	2,545,000	1,974,268	3,026,387	1.96x	20.2%
2007	Highland Consumer Fund I LP	3/16/2007	2,000,000	1,783,212	-	1,210,927	0.68x	(10.0%
2007	Montreux Equity Partners IV, L.P.	3/27/2007	5,000,000	4,919,900	1,648,176	4,471,863	1.24x	7.4%
2007	SCP Vitalife Partners II Fund	4/13/2007	5,000,000	4,499,924	395	3,526,026	0.78x	(8.1%
2007	Constellation Venture Capital III, L.P.	5/22/2007	5,000,000	4,977,809	119,899	4,008,492	0.83x	(5.9%
2007	United States Power Fund III, L.P.	6/28/2007	5,000,000	4,997,389	1,666,035	3,683,370	1.07x	2.0%
2007	Carlyle Partners V, L.P.	7/6/2007	10,000,000	9,484,979	4,561,937	8,861,986	1.42x	12.8%
2007	PCG Clean Energy & Technology Fund (East), LLC	7/6/2007	10,000,000	8,441,664	558,793	5,299,474	0.69x	(11.2%
2007	GSO Capital Opportunities Fund LP	7/16/2007	7,500,000	9,766,676	10,909,904	3,439,528	1.47x	19.1%
2007	New Mountain Partners III, L.P.	8/9/2007	10,000,000	9,662,060	2,812,931	9,181,394	1.24x	8.9%
2007	Vista Equity Partners Fund III, L.P.	10/3/2007	7,500,000	7,358,322	10,628,564	8,231,392	2.56x	30.8% 20.2%
2007	Trilantic Capital Partners IV L.P.	10/22/2007	7,236,332	7,125,677	5,591,536	6,448,924	1.69x	



# New York City Fire Department Pension Fund, Subchapter 2 Private Equity Portfolio As of September 30, 2013 (in USD)

Vintage Year	Investment	First Drawdown	Committed Capital	Net Contributed Capital	Net Distributed Capital	Market Value	Multiple	IRR
2007	Pine Brook Capital Partners, L.P.	1/11/2008	7,500,000	6,682,427	3,666,043	5,782,984	1.41x	16.3%
2008	Paladin III (NY City), L.P.	1/8/2008	7,500,000	6,507,082	1,976,451	5,348,326	1.13x	4.4%
2008	Apollo Investment Fund VII, L.P.	1/28/2008	25,000,000	27,689,637	26,749,480	18,927,464	1.65x	26.4%
2008	NGN BioMed Opportunity II, L.P.	2/11/2008	5,000,000	3,962,955	857,371	2,181,617	0.77x	(8.2%)
2008	Riverstone/Carlyle Global Energy & Power Fund IV, L.P.	3/3/2008	7,500,000	6,891,531	4,074,569	5,456,538	1.38x	13.2%
2008	Yucaipa American Alliance Fund II, LP	3/28/2008	15,000,000	18,730,325	8,475,539	20,230,584	1.53x	17.5%
2008	Levine Leichtman Capital Partners IV, L.P.	4/8/2008	5,000,000	4,872,424	3,025,914	4,515,362	1.55x	23.2%
2008	Lee Equity Partners Fund, L.P.	4/23/2008	7,500,000	6,754,076	1,299,437	6,347,696	1.13x	5.5%
2008	New York/Fairview Emerging Managers Fund, L.PTranche 2	5/28/2008	5,000,000	2,852,000	625,148	2,877,475	1.23x	9.7%
2008	Yucaipa Corporate Initiatives Fund II, LP	6/23/2008	4,676,976	4,488,749	520,514	2,998,571	0.78x	(9.7%)
2008	CVC European Equity Partners V, L.P.	7/21/2008	13,714,824	11,376,702	5,319,791	8,875,021	1.25x	9.5%
2008	GI Partners Fund III L.P.	7/29/2008	7,500,000	7,822,831	5,085,528	5,707,343	1.38x	15.2%
2008	Ares Corporate Opportunities Fund III, L.P.	7/30/2008	10,000,000	10,630,438	8,425,773	7,789,460	1.53x	22.8%
2008	CS NYCFDPF Emerging Manager Co-Investment Fund, L.P.	8/22/2008	990,607	1,188,928	592,332	977,443	1.32x	8.9%
2008	CS NYCFDPF Emerging Manager Fund, L.P.	8/22/2008	8,979,798	6,066,156	1,494,458	4,712,185	1.02x	1.4%
2008	First Reserve Fund XII, L.P.	8/25/2008	5,000,000	4,359,906	713,408	4,197,381	1.13x	4.1%
2008	Landmark Equity Partners XIV, L.P.	9/19/2008	13,630,000	9,870,309	4,247,095	8,420,117	1.28x	17.7%
2008	Crestview Partners II, L.P.	10/1/2008	7,500,000	7,094,220	2,554,107	7,218,364	1.38x	16.6%
2008	Erasmus New York City Growth Fund IA	10/17/2008	1,208,990	1,208,990	417,624	387,445	0.67x	(8.7%)
2008	Euro Choice IV L.P.	10/22/2008	6,745,522	3,874,062	329,538	3,621,831	1.02x	1.0%
2008	Avista Capital Partners II, L.P.	11/5/2008	10,000,000	10,939,168	6,315,847	9,539,040	1.45x	16.1%
2008	Bridgepoint Europe IV	11/14/2008	6,772,460	5,571,131	425,736	6,450,685	1.23x	9.8%
2008	Aisling Capital III, LP	11/20/2008	3,500,000	2,469,758	984,805	2,158,511	1.27x	15.6%
2008	Onex Partners III LP	12/10/2008	5,000,000	4,724,060	979,713	4,382,640	1.14x	7.7%
2009	NorthBound Emerging Manager Custom Fund LP	1/29/2009	5,000,000	3,288,789	961,039	3,148,402	1.25x	10.9%
2009	Welsh, Carson, Anderson & Stowe XI, L.P.	2/10/2009	7,500,000	5,896,269	1,246,229	6,474,089	1.31x	13.3%
2009	Scale Venture Partners III, LP	5/1/2009	5,000,000	4,358,924	1,845,600	6,148,629	1.83x	29.3%
2009	FS Equity Partners VI, L.P.	7/27/2009	12,500,000	9,090,145	2,093,738	9,836,379	1.31x	13.4%
2009	Lincolnshire Equity Fund IV, L.P.	8/5/2009	2,500,000	1,489,342	197,254	1,098,544	0.87x	(8.3%)
2009	Lexington Capital Partners VII, L.P.	12/3/2009	10,000,000	6,994,977	2,698,857	6,468,677	1.31x	17.5%
2010	Snow Phipps II, L.P.	1/8/2010	7,500,000	3,417,814	374,637	3,675,706	1.19x	10.0%
2010	Trident V, L.P.	4/29/2010	15,000,000	9,691,741	858,026	9,593,457	1.08x	5.7%
2010	Comvest Investment Partners IV, L.P.	10/21/2010	20,000,000	10,883,571	10,364,319	6,557,119	1.55x	43.2%
2011	Blackstone Capital Partners VI, L.P.	1/24/2011	10,000,000	2,717,288	143,195	2,859,223	1.10x 1.13x	7.9%
2011	Ampersand 2011	3/11/2011	5,000,000	3,900,000	-	4,400,700		8.8%
2011	BDCM Opportunity Fund III, L.P.	4/8/2011	10,000,000	6,485,642	1,947,420	5,283,848	1.11x	11.5%
2011	AXA Secondary Fund V B L.P.	6/16/2011	40,000,000	23,186,576	2,606,797	28,152,397	1.33x	27.5%
2011	Wellspring Capital Partners V, L.P.	7/1/2011	7,500,000	2,064,897	431,184	1,331,315	0.85x	(10.5%)
2011	EQT VI, L.P.	8/1/2011	18,621,878	6,484,735	-	5,517,414	0.85x	(14.1%)
2011	Pegasus Partners V, L.P.	8/16/2011	6,236,975	3,289,381	94	3,359,191	1.02x	1.5%
2011	BC European Capital IX	9/19/2011	23,782,118	10,987,874	1,089,125	11,744,216	1.17x	18.5%
2011	American Securities Partners VI, L.P.	11/18/2011	20,000,000	6,516,089	2,233,573	6,153,310	1.29x	22.4%
2011	Vista Equity Partners Fund IV, L.P.	11/30/2011	30,000,000	16,640,098	2,146,182	16,091,135	1.10x	9.6%
2012	NYCFDPF - 2012 Emerging Manager Program*	2/7/2013	25,000,000	1,674,879	327,449	1,118,641	0.84x	NM 0.40/
2012	Warburg Pincus Private Equity XI, L.P.	5/24/2012	35,000,000	9,051,277	2,219,000	7,585,283	1.08x	9.4%
2012	Summit Partners Growth Equity Fund VIII-A, L.P.	6/14/2012	30,000,000	4,500,000	-	4,151,805	0.92x	(10.9%)
2012	Trilantic Capital Partners V L.P.	9/20/2012	10,000,000	1,176,580	6,668	945,951	0.81x	(34.6%)
2012	Palladium Equity Partners IV, L.P.	10/10/2012	10,000,000	1,622,417	70,984	1,650,386	1.06x	NM
2012	Ares Corporate Opportunities Fund IV, L.P.	11/5/2012	20,000,000	2,537,031	- 62 522	2,318,777	0.91x	NM
2012	Green Equity Investors VI, L.P.	11/30/2012	25,000,000	3,969,271	63,532	3,628,078	0.93x	NM
2012	Platinum Equity Capital Partners III, L.P.	1/14/2013	25,000,000	5,140,911	2,642,571	4,942,107	1.48x	NM
2013	Carlyle Partners VI, L.P.	7/3/2013	20,000,000	137,685		53,488	0.39x	NM N/A
2013	Landmark Equity Partners XV, L.P.	10/30/2013	26,000,000	-	-	-	N/A	N/A
2013	Apollo Investment Fund VIII, L.P.	12/11/2013	40,000,000	-	-	-	N/A	N/A
2013	Landmark - NYC Fund I, L.P.	12/24/2013	9,000,000	-	-	-	N/A	N/A
2013	Olympus Growth Fund VI, L.P.	1/24/2014	15,000,000	-	-	-	N/A	N/A
2013	CVC Capital Partners VI, L.P.	2/18/2014	40,000,000	-	-	-	N/A	N/A N/A
2013	Carlyle Partners VI, L.P. (Side Car)	N/A	2,200,000				N/A	

<sup>\*</sup>Please note that the NYCFDPF - 2012 Emerging Manager Program total commitment amount includes the full amount allocated to the Program, of which \$13.3 million has been committed as of March 5, 2014.

Note: IRRs presented are interim estimates and may not be indicative of the ultimate performance of fund investments due to a number of factors, such as the lack of industry valuation standards and the differences in the investment pace and strategy of various funds. Until a fund is liquidated, typically over 10 to 12 years, the IRR is only an interim estimated return. The IRR calculated in early years of a fund is not meaningful given the J-curve effect. The actual IRR performance of any fund is not known until all capital contributed and earnings have been distributed to the investor. The IRRs contained in this report are calculated by StepStone Group LP ("StepStone"), a consultant to the New York City Fire Department Pension Fund, Subchapter 2, based on information provided by the general partmers (e.g. cash flows and valuations). The IRR calculations and other information contained in this report have not been reviewed or confirmed by the general partmers. The result of the IRR calculation may differ from that generated by the general partmer or other limited partners. Differences in IRR calculations can be affected by cash-flow timing, the accounting treatment of carried interest, fund management fees, advisory fees, organizational fees, other fund expenses, sale of distributed stock, and valuations.

<sup>&</sup>lt;sup>1</sup> Total Portfolio includes liquidated investments and is presented Pro-Forma for the proceeds received and expected to be received from the sale of nine partnership investments in secondary transactions that closed during the first half of 2012.



# New York City Fire Department Pension Fund, Subchapter 2 Subsequent Commitments As of September 30, 2013 (in USD)

Vintage Year	Investment	First Drawdown	Committed Capital	Net	t Contributed Capital	Ne	et Distributed Capital	Market Value	Multiple	IRR
Commitm	ents Closed Subsequent to as of Date									
2013	FTVentures IV, LP	12/2/2013	\$ 2,500,000	\$	-	\$	-	\$ -	0.00x	N/A
2013	Vista Foundation Fund II, L.P.	12/27/2013	2,500,000				-	-	0.00x	N/A
Total Com	mitments Closed Subsequent to as of Date		\$ 5,000,000	\$	-	\$	-	\$ -	N/A	N/A

Note: IRRs presented are interim estimates and may not be indicative of the ultimate performance of fund investments due to a number of factors, such as the lack of industry valuation standards and the differences in the investment pace and strategy of various funds. Until a fund is liquidated, typically over 10 to 12 years, the IRR is only an interim estimated return. The IRRs calculated in early years of a fund is not meaningful given the J-curve effect. The actual IRR performance of any fund is not known until all capital contributed and earnings have been distributed to the investor. The IRRs contained in this report are calculated by StepStone Group LP ("StepStone"), a consultant to the New York City Fire Department Pension Fund, Subchapter 2, based on information provided by the general partners (e.g. cash flows and valuations). The IRR calculations and other information contained in this report have not been reviewed or confirmed by the general partners. The result of the IRR calculation may differ from that generated by the general partner or other limited partners. Differences in IRR calculations can be affected by cash-flow timing, the accounting treatment of carried interest, fund management fees, advisory fees, organizational fees, other fund expenses, sale of distributed stock, and valuations.

Real Estate Quarterly Report

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#### **Portfolio Profile**

The New York City Fire Department Pension Fund has allocated 5.0% (+/- 2%) of the total plan to Real Assets. Real Estate investments are categorized under Real Assets. The Real Estate Portfolio's objective is to generate a total net return that exceeds the NFI-ODCE +100 bps total net return measured over full market cycles.

#### Portfolio Statistics (September 30, 2013)

\$9.6 billion **Total Plan Assets** Target Real Assets Allocation (%) \$480.6 million Target Real Assets Allocation (\$) Total Real Estate Market Value **Real Estate Unfunded Commitments** \$104.0 million **Total Real Estate Exposure** 40 **Number of Investments** 

#### Net Returns (as of September 30, 2013)

3Q13 Time-Weighted Net Return: 13.9% 1 Year Time Weighted Net Return: 15.3% 3 Year Time Weighted Net Return: Inception-to-Date (ITD) Time-Weighted: 5.2% 3.6% ITD Net IRR:

### ITD Net Equity Multiple: **Investment Guidelines**

Style Sector:

Number of Managers

•40-60% Non-Core NFI-ODCE Index +100 bps net Benchmark

over full market cycles **Region Diversification** Maximum 25% Int' I Limit 15% to a single investment **Investment Diversification** Limit 15% to a single manager Manager Diversification 65% Leverage

#### Third Quarter Investment Activity

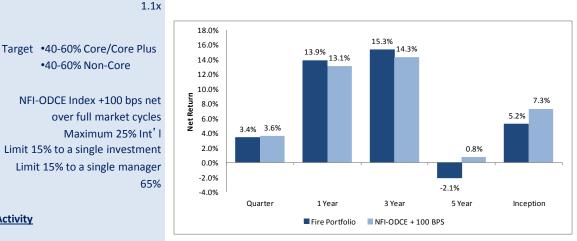
During the Quarter, the Board made a \$30.0 million commitment to DivcoWest IV and a \$25.0 million commitment to Lone Star III. Subsequent to Quarter-end, both deals closed.

#### **OVERVIEW**

During the Third Quarter of 2013 the global real estate market experienced \$140 billion in transaction volume, 41% higher than the same period in 2012. Property markets continue to recover, although there still remains a gap between valuations of primary and secondary assets. However, yield compression for prime assets has compelled investors to target secondary market opportunities further along the risk spectrum.

In the United States, private sector balance sheets remain strong and investors continue to pursue opportunities in secondary and suburban markets in search for yield. Despite uncertainties regarding domestic policy, the outlook on the region 5% remains strong. In Europe, sentiment has turned cautiously optimistic, given that the major issues appear to have been identified. Investors priced out of core assets in primary cities continue to track secondary markets and value-add opportunities \$352.5 million which offer significantly higher yields than core assets in primary markets. In the Asia Pacific region, domestic and international investors continue to pursue investments in logistics, as there remains a shortage of quality supply. The Market \$456.4 million Update section of this report provides additional information on global real estate conditions.

32 The New York City Fire Department Pension Fund ("Fire") Real Estate Portfolio is, and has been, well positioned to take advantage of conditions in the real estate marketplace. Fire has been an active global investor in both the Core/Core Plus 3.4% space and Non-core space. Since the economic downturn, Fire has committed to 18 investments totaling \$320 million of commitments. Post economic downturn, in the period reflected in the rolling three-year returns, Fire performance exceeds the benchmark by 100 basis points. At the end of the Third Quarter 2013, the Portfolio achieved a total gross return of 4.0% which was comprised of 1.4% income and 2.6% appreciation. The net return for the Quarter was 3.4%. A detailed analysis of the Portfolio's real estate performance is found later in this Executive Summary.



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#### FUNDING AND COMPOSITION

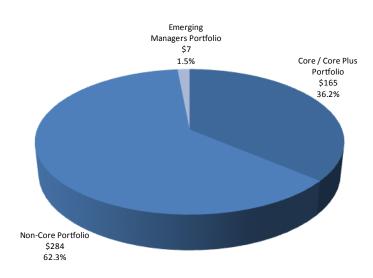
At the end of the Third Quarter, the Portfolio was funded at \$352.5 million, or 3.7% of total plan assets. A total of \$104.0 million in unfunded commitments are still outstanding. New commitment activity has accelerated over the past several months and the trend will continue 2014.

New contributions for the Quarter totaled \$15.2 million, offset by just over \$10.6 million in distributions and withdrawals. Distributions were weighted to the non-core sector.

Shown in the pie chart to the right is the current risk sector exposure calculated by Market Value + Unfunded Commitments. The Core/ Core Plus component accounts for 36.2% of the Portfolio exposure during the Quarter. The Non-Core component accounts for 62.3% of the Portfolio exposure. The Emerging Manager component accounts for 1.5% of the Portfolio exposure.

A more detailed break-down of the Portfolio Composition is shown in the table below. Attached as Exhibit A is a matrix which demonstrates compliance with various Investment Policy Statement guidelines.

#### **Real Estate Exposure**



New York City	Fire Department Pension Fund	
Total Plan Assets	9/30/2013	\$9,613
Real Asset Allocation (%)		5.0%
Real Asset Allocation (\$)		\$481
Sty	yle Sector Allocation	
Core / Core Plus Portfolio	40.0%	\$192
Non-Core Portfolio	55.0%	\$264
Emerging Managers Portfolio	5.0%	\$24
Uncommitted Core / Core Plus Portfolio		\$27
Uncommitted Non-Core Portfolio		(\$20)
Uncommitted Emerging Managers Portfolio		\$17
Funded (Marke	t Value) and Committed Statistics	
Core / Core Plus Portfolio		36.2%
Non-Core Portfolio		62.3%
Emerging Managers Portfolio		1.5%
\$ Committed		\$456
% Committed on Real Asset Allocation		94.9%
% Committed on Total Plan Assets		4.7%
Funded	(Market Value) Statistics	
% Funded (Market Value) of Total Plan Assets		3.7%
% Funded (Market Value) of Total Real Asset Allocat	tion	73.3%

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#### **PERFORMANCE**

During the Quarter under review, the Fire Real Estate Portfolio produced a 4.0% total gross return. The total net return for the Quarter was 3.4%. On a rolling one-year basis the total gross return of 17.4% was recorded. On a net basis the total return was 13.9%. On a gross basis the Fire Portfolio exceeds the NFI-ODCE in all but one time period (five-year). The benchmark return contemplates a 100 bps premium over the ODCE net return over full market cycles. This benchmark is exceeded over the one-year and three-year time periods. The various components of the Portfolio returns are depicted in the chart below.

#### Core/Core Plus

As of September 30, 2013 the market value of the Core/ Core Plus Portfolio was \$152 million, or 43.2% on an invested basis. On a funded and committed basis, the Core/ Core Plus Portfolio totaled \$165 million, or 36.2% of the total Portfolio. The Core/ Core plus Portfolio generated a 3.5% total gross return for the Quarter comprised of 1.3% in income and 2.2% in appreciation. The total net return for the Quarter was 3.3%.

The most significant contribution to the Quarterly return in the Core/Core Plus sector was JP Morgan Strategic Property Fund, which added 0.16% to the overall performance of the Core/Core Plus sector. The largest detractor from the Core/Core Plus Portfolio was UBS Trumbull Property Fund, which took away (0.22)% from the total gross return. It is important to note that while UBS may have underperformed it still maintained positive performance with a 2.5% net return for the Quarter.

Post economic downturn, the Core/Core Plus Portfolio achieved a 13.9% net return over the three-year period ending September 30, 2013. Of the 11 Core/Core Plus Funds, PRISA II was the largest contributor, adding 0.53% to the overall performance of the Portfolio. UBS Trumbull Property Fund was the largest detractor, taking away (0.60)% from the overall performance of the Core/Core Plus Portfolio, however, with its low leverage target, UBS historically outperforms during down cycles.

#### Non-Core

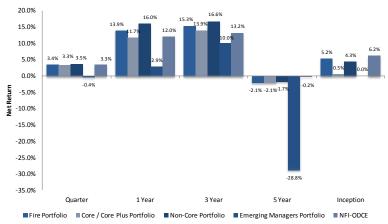
As of September 30, 2013 the market value of the Non-Core Portfolio was \$195 million, or 55.2% on an invested basis. On a funded and committed basis, the Non-Core Portfolio totaled \$284 million, or 62.3% of the total Portfolio. The Non-Core Portfolio generated a 4.6% total gross return for the Quarter comprised of 1.5% in income and 3.1% in appreciation. The total net return for the Quarter was 3.5%.

Of the 25 Funds contributing to the Quarterly return of the Non-Core Portfolio, Colony Investors VIII was the largest contributor, adding 0.50%. The City Investment Fund I was the largest detractor for the Quarter, taking away (0.47)% from the overall performance of the Non-Core Portfolio.

The Non-Core Portfolio generated a three-year net return of 15.3%. Of the 26 Non-Core Funds that contributed to the three-year performance of the Portfolio, The City Investment Fund I was the largest contributor, adding 3.22%. The largest detractor among these Funds was Colony Investors VIII, which took away (1.91)% from overall Non-Core performance.

#### **Emerging Managers**

As of September 30, 2013 the market value of the Emerging Managers Portfolio was \$5.5 million, or 1.6% on an invested basis. On a funded and committed basis, the Emerging Managers Portfolio totaled \$6.8 million, or 1.5% of the total Portfolio. The Emerging Managers Portfolio generated a 0.0% total gross return for the Quarter comprised of 2.2% in income and (2.2)% in appreciation. The total net return for the Quarter was (0.4)%. The Emerging Managers Portfolio has underperformed for a number of reasons including the fact that performance has been adversely impacted by virtue of the vintage years of these funds.



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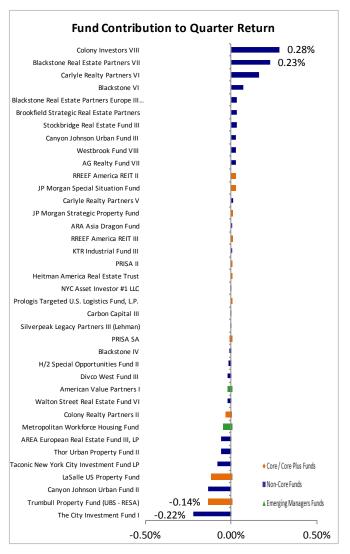
#### **PERFORMANCE**

#### Portfolio Performance

At the end of the Third Quarter 2013, the Portfolio had a cumulative market value of \$352.5 million. Total market value plus unfunded commitments was \$456.4 million, or 95.0% of the real estate allocation. During the Quarter, the Portfolio achieved a total gross return of 4.0% which was comprised of 1.4% income and 2.6% appreciation. The Portfolio achieved a total net return of 3.4%. Since inception, the Portfolio has a net IRR of 3.6% and an equity multiple of 1.1x as of September 30, 2013. Note, attached as Exhibit B are performance metrics relating to each investment within the Portfolio.

The Quarterly return was driven by Colony Investors VIII, which contributed 0.28% to the overall performance. In addition, Blackstone VII and Carlyle Realty Partners VI had substantial impacts on the Portfolio, contributing 0.23% and 0.16%, respectively. The primary laggards in the Portfolio were UBS Trumbull Property Fund and The City Investment Fund I, detracting (0.14)% and (0.22)%, respectively. Brief reviews of Funds making positive contributions to performance during the Quarter are found below. Note, that attached as Exhibit C are charts relating to fund contributions to returns during different relevant periods.

Colony Investors VIII (Colony VIII). The Fund's total gross return for the Quarter was 19.7%, comprised of 0.3% in income and 19.3% in appreciation. The net return after fees was 18.8%. During the Quarter, Colony sold 100% of its remaining position in First Republic Bank, capitalizing on the dramatic share price increase since its IPO in December 2010. The investment resulted in a cumulative realized IRR of 40% and a 2.1x multiple on invested equity. As of September 30, five investments have been fully realized and two partially realized for a combined 38% of originally invested equity. Improvement in European markets has led to valuation gains in several of the fund's investments, improving the prospects for recovery of the fund's original equity investment. During the first three quarters of 2013, the Fund distributed \$234.7 million to investors, bringing total distributions to date to \$621.0 million.

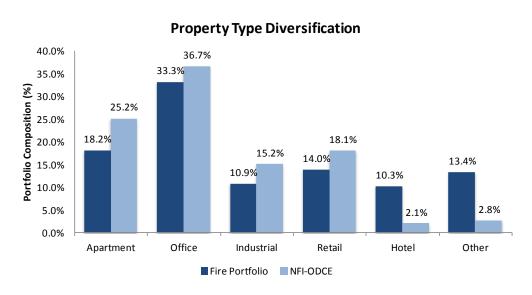


Blackstone Real Estate Partners VII (BREP VII). BREP VII had a total third quarter return of 8.0% comprised of 0.7% in income and 7.2% in appreciation. The net return after fees was 6.0%. Since the Fund's inception in August 2011, BREP VII has invested \$8.5 billion in equity and distributed \$1.8 billion of capital and gain. As of September 30, 2013, the valuation of BREP VII's portfolio had increased by \$630.0 million, or approximately 8.0% (including currency adjustments). BREP VII remained active in the market in the Quarter, investing a total of \$897.0 million of equity in 25 transactions and committing an additional \$1.2 billion in 13 investments which should close in by early 2014. During the Quarter, the Fund completed the sale of its 95.0% interest in 30 properties in a shopping center portfolio for \$1.54 billion. In July 2013, BREP VI filed registration for a potential IPO for an investment. In conjunction, BREP VII will contribute several assets to the IPO.

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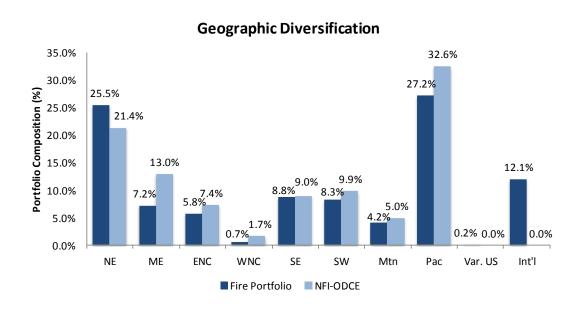
#### PROPERTY TYPE DIVERSIFICATION

The diversification of the current Portfolio by property type is shown below and compared to the diversification of the NCREIF-ODCE at the end of the Quarter. Relative to the ODCE, the Portfolio is still underweight to all property sectors (excluding hotels) due to its allocation to other property types such as For Sale Residential, Self Storage, Land, Health Care, Medical Office, Data Centers, Senior Living and Student Housing.



#### GEOGRAPHIC DIVERSIFICATION

The diversification of the current funded Portfolio by geographic region is shown below and compared to the diversification of the NFI-ODCE at the end of the Quarter. The ODCE is a US-only index. The domestic portion of the Portfolio is well diversified relative to the ODCE with a slight overweight to the Northeast and a slight underweight to the Mideast, Southwest and Pacific. The 12.1% international exposure is appropriate for the risk and return profile of Fire and consistent with our long-term target.

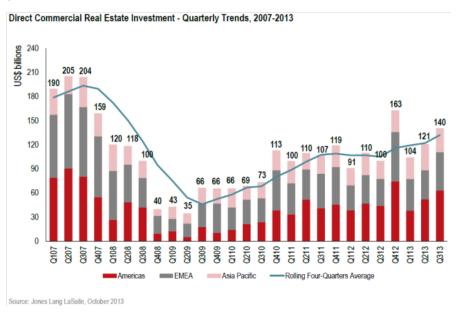


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#### **MARKET UPDATE**

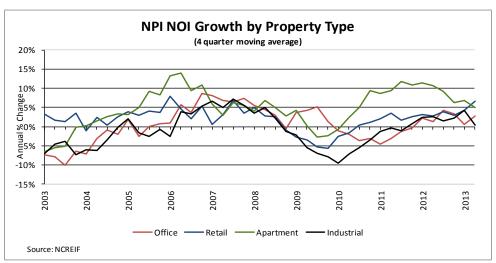
#### **General Market Overview**

The commercial real estate market experienced transaction volume of \$140 billion during the third quarter, 16% higher than second quarter 2013, and 41% higher than third quarter 2012. Liquidity across all sectors seems to be improving, as sales volumes for the full-year are expected to be between 525-\$575 billion (20-25% lower than the peak in 2007). Albeit concerns regarding the U.S. government shutdown, the global commercial real estate outlook remains positive.



Across the world, increasing investor confidence and competition for core assets in prime markets is pushing yields down and driving investors up the risk spectrum. Investors who have been priced out of primary/CBD markets continue to search for yield in secondary/suburban markets. This theme ties to the macro trend of urbanization and the emergence of new CBD locations in secondary and suburban markets.

Real Estate NOI Growth has been healthy over the last few years, and is expected to do so until capped by macro-economic outlook and a resurgence of new supply. Of the main property types, apartments and retail have exhibited the most growth; however, growth rate differentials between all of the property types are expected to narrow over time. The chart below depicts property level NOI growth over the past ten years.



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#### MARKET UPDATE cont.

#### Direct Commercial Real Estate Volumes, 2012-2013

\$ US			% Change 2Q13 -		% Change 3Q12 -			% Change YTD 2012 -
Billions	2Q13	3Q13	3Q13	3Q12	3Q13	YTD 2012	YTD 2013	YTD 2013
Americas	52	63	21%	44	43%	129	153	18%
EMEA	36	47	31%	33	42%	100	123	23%
Asia Pacific	33	30	-8%	22	33%	72	90	25%
Total	121	140	16%	99	41%	301	366	21%

Source: Jones Lang LaSalle, October 2013

#### **The United States**

The Americas experienced \$63 billion in transaction volume during the Quarter, up 43% from Third Quarter 2012. Of these transactions, \$55.0 billion is attributable to the United States. This is the first time since 2007 that the US has seen transaction volumes surpass \$50.0 billion (ignoring 4Q12, which was driven by circumstances linked to changing tax rules for transactions). The government shutdown infused uncertainty into the recovery, pushed October consumer confidence to its lowest point in nine months, and is expected to temper GDP Growth. Furthermore, market uncertainty over when the Fed will taper its \$85 billion monthly bond buying program persists. Albeit uncertainties about domestic policy implications, the underlying outlook on the region has remained unchanged

Private sector balance sheets remain strong and growth is expected to continue into the foreseeable future, non-core investments remain attractive due to positive spreads over core assets, and investors priced out of primary/CBD markets continue to search for yield in secondary/suburban markets.

#### **Europe**

Townsend's view toward the European commercial real estate market has turned cautiously optimistic, given that the major issues in the region appear to have been identified. Recent interventions from European Central Bank have helped stabilize borrowing costs, and economic fundamentals are improving across the entire region. The United Kingdom is leading the region's economic recovery with other countries such as Sweden, Germany and even Spain exhibiting positive signs for growth.

The majority of the transactions that took place during the Quarter were core assets in primary cities; primarily within the United Kingdom, Germany, and France. However, investors have shown growing interest in secondary markets and value add opportunities which offer significantly higher yields than core assets in primary markets. As a result, markets such as Poland, Spain and the Netherlands, which have seen limited investment action over the past few years, are beginning to see an influx of capital from investors.

#### <u>Asia</u>

The Asian Pacific real estate market experienced \$30 billion in transaction volume during the Quarter, up 33% from Third Quarter 2012. Transaction volume has slowed in the second half of the year as investors are becoming more concerned that rising interest rates will lead to higher property yields, resulting in reduced property values. Nonetheless, 2013 is set to become a record year for transaction volumes in the region. It is important to note that although the region has exhibited positive signs in terms of growth, investors should remain cautious regarding the regions interest rate environment and longer-term cap rate outlook.

In Japan, logistics development opportunities continue to generate solid risk-adjusted returns due to the shortage of quality supply in the region. Chinese retail and logistics sectors continue to be of interest due to strong fundamental trends such as urbanization, income growth and supportive government policies. India continues to battle with macro-economic issues that present a less attractive investment environment. The Australian market presents attractive core opportunities with high absolute unleveraged yields (6.25% to 8.0%) and with spreads to government bonds that are at, or near, historic highs.

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#### **EXHIBIT A: COMPLIANCE MATRIX**

Category	Requirement	Portfolio Status				
Benchmark	NFI-ODCE (net) +100 bps over full market cycles	Portfolio returns underperform the benchmark.				
	Core/Core Plus (minimum of 40%)					
	Non Core (minimum of 40%)	The portfolio is funded (market value) and committed at 94.9% of real asset allocation				
Portfolio Composition	Non Core Emerging (greater of \$14 million or 5% of the total real estate allocation)	with a portfolio composition of 36.2% co 62.3% non-core, and 1.5% emerging.				
	Target of 5.0%	Funded (market value) and committed				
Real Asset Allocation	Currently Funded at 3.7%	dollars place the portfolio at 4.7% of toto plan assets.				
Property Type Diversification	Up to 40% Mutlifamily Up to 35% Industrial Up to 45% Office Up to 35% Retail Up to 25% Hotel Up to 20% Other	All property type locations are in compliance.				
Geographic Diversification	Diversified geographically Max 25% Ex-US	All geographic type locations are in compliance				
LTV	65%	Portfolio is in early stages of funding, but is in compliance (41.7%).				
Manager Exposure	15% of real estate allocation	Manager exposure is within compliance ranges.				

Executive Summary: Third Quarter 2013 Performance Measurement Report Real Estate

#### **EXHIBIT B: FOIL**

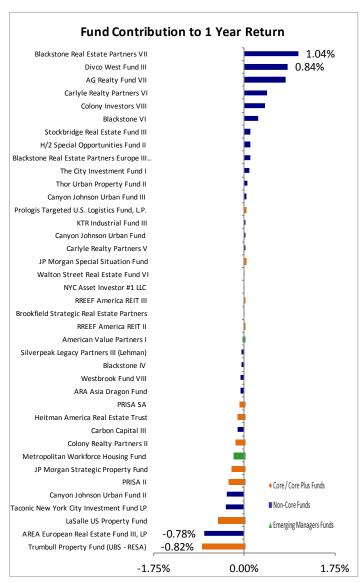
The Townsend Group	® )
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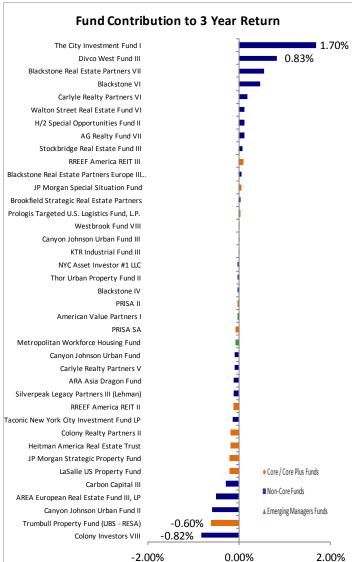
intage Year	Fund Name	First Draw Down	Capital Committed	Contributions	Distributions	Market Value	Equity Multiple	Net
2006	UBS Trumbull Property Fund ("UBS-TPF")	9/28/2006	\$27,000,000	\$30,623,990	(\$2,858,194)	\$33,149,494	1.2	5.6
2006	RREEF America REIT II	10/1/2006	\$7,000,000	\$9,178,399	(\$3,070,331)	\$7,368,138	1.1	2.4
2006	PRISA SA	9/29/2006	\$7,000,000	\$7,372,376	(\$944,772)	\$7,191,659	1.1	1.
2006	Prologis Targeted U.S. Logistics Fund	10/1/2006	\$5,000,000	\$5,929,858	(\$974,686)	\$4,305,868	0.9	-2
2007	JP Morgan Strategic Property Fund	12/5/2006	\$22,000,000	\$22,908,814	\$0	\$30,481,760	1.3	7
2007	PRISATI	6/30/2007	\$20,228,233	\$20,990,907	(\$1,969,269)	\$20,094,223	1.1	1
2007	Heitman HART	3/29/2007	\$9,000,000	\$10,924,093	(\$1,924,093)	\$12,065,352	1.3	6
2007	JP Morgan Special Situation Property Fund	1/2/2007	\$5,000,000	\$5,475,670	(\$843,341)	\$4,561,051	1.0	-0
2007	Colony Realty Partners II	12/20/2006	\$5,000,000	\$5,355,052	(\$166,526)	\$2,022,600	0.4	-1
2007	RREEF America REIT III - 1410	10/1/2007	\$5,000,000	\$5,000,000	(\$631,925)	\$1,716,827	0.5	-1
2010	LaSalle Property Fund	7/1/2010	\$30,000,000	\$25,761,134	(\$1,906,513)	\$29,255,557	1.2	1
2013	NYC Asset Investor #2 LLC	7/9/2013	\$9,000,000	\$153,581	\$0	\$142,711	0.9	-2
2015	Core / Core Plus Portfolio	7,75,2015	\$151,228,233	\$149,673,873	(\$15,289,649)	\$152,355,239	1.1	2
2003	Canyon Johnson Urban Fund	12/6/2002	\$10,000,000	\$9,060,242	(\$10,582,954)	\$0	1.2	1
2004	The City Investment Fund I	3/16/2004	\$35,000,000	\$34,515,181	(\$22,226,751)	\$15,210,017	1.1	
2004	Blackstone Fund IV	5/10/2004	\$5,000,000	\$6,406,782	(\$5,646,005)	\$2,944,710	1.3	1
2005	Canyon Johnson Urban Fund II	5/11/2005	\$10,000,000	\$8,988,710	(\$727,287)	\$4,026,200	0.5	-1
2007	Blackstone Real Estate Partners VI	9/27/2007	\$10,000,000	\$10,756,120	(\$3,024,373)	\$12,970,718	1.5	1
2007	Colony Investors VIII	9/18/2007	\$20,000,000	\$21,249,679	(\$3,103,407)	\$7,070,672	0.5	-1
2007	·						1.0	
	Metropolitan Workforce Housing Fund	7/13/2007	\$3,500,000	\$3,503,257	(\$248,859)	\$3,255,149		
2007	Carlyle Realty Partners V	8/27/2007	\$5,000,000	\$6,080,020	(\$5,383,124)	\$2,249,485	1.3	
2008	Stockbridge Real Estate Fund III	9/9/2008	\$13,500,000	\$13,142,674	\$0	\$14,309,884	1.1	3
2008	AREA European Real Estate Fund III, LP	5/6/2008	\$15,000,000	\$15,243,750	(\$3,252,500)	\$11,938,439	1.0	-1
2008	AG Realty Fund VII	5/20/2008	\$15,000,000	\$14,100,000	(\$9,900,000)	\$9,416,705	1.4	1
2008	ARA Asia Dragon Fund	7/9/2008	\$10,000,000	\$9,284,000	(\$6,309,344)	\$7,018,879	1.4	1
2008	American Value Partners Fund I	10/18/2007	\$5,000,000	\$3,763,712	(\$993,973)	\$2,278,163	0.9	-
2008	Silverpeak Legacy Partners III (Lehman)	5/28/2008	\$5,000,000	\$2,216,844	(\$77,766)	\$879,555	0.4	-1
2009	Walton Street Real Estate Fund VI	4/27/2009	\$5,000,000	\$4,432,393	(\$904,182)	\$4,592,782	1.2	
2009	Thor Urban Property Fund II	10/30/2008	\$5,000,000	\$6,469,583	(\$2,220,902)	\$4,145,899	1.0	-
2009	Carbon Capital III	7/2/2009	\$10,000,000	\$10,939,291	(\$9,704,403)	\$3,402,286	1.2	
2010	Blackstone Real Estate Partners Europe III (USD Vehicle)	10/24/2008	\$5,000,000	\$4,579,567	(\$465,881)	\$5,250,714	1.2	1
2010	Westbrook Real Estate Fund VIII	12/28/2009	\$5,000,000	\$5,830,015	(\$2,330,109)	\$4,685,560	1.2	1
2010	Canyon Johnson Urban Fund III	3/29/2010	\$5,000,000	\$4,296,175	(\$1,512,249)	\$3,555,188	1.2	
2011	Carlyle Realty Partners VI	9/14/2011	\$20,000,000	\$8,446,368	(\$770,083)	\$10,195,104	1.3	2
2011	H/2 Special Opportunities Fund II	1/31/2011	\$10,000,000	\$5,309,227	(\$652,239)	\$6,186,264	1.3	2
2012	Divco West Fund III	12/30/2011	\$30,000,000	\$27,030,042	(\$2,229,172)	\$32,909,346	1.3	2
2012	Blackstone Real Estate Partners VII	3/31/2012	\$30,000,000	\$17,987,613	(\$3,301,200)	\$19,892,971	1.3	3
2012	Taconic New York City Investment Fund LP	7/5/2012	\$20,000,000	\$6,045,455	\$0	\$5,804,476	1.0	-
2012	Brookfield Strategic Real Estate Partners	9/20/2012	\$15,000,000	\$3,771,801	\$0	\$4,104,909	1.1	1
2013	KTR Industrial Fund III	6/28/2013	\$10,000,000	\$1,369,869	\$0	\$1,399,720	1.0	1
2013	NYC Asset Investor #1 LLC	6/25/2013	\$5,000,000	\$379,214	\$0	\$374,142	1.0	٠.
2013	NYC Asset Investor #3 LLC	9/20/2013	\$6,000,000	\$46,856	\$0	\$46,265	1.0	-3

Source: PCG historical cash flow data. TTG cash flow data from Fund Managers, effective 2005. Note: The equity multiples and IRRs contained in this report are interim calculations based upon information provided by the investment managers of the New York City Retirement Systems, including cash flows and quarterly unaudited, or audited, valuations. The IRR calculated in early years of a fund life is not meaningful given the J-curve effect and can be significantly impacted by the timing of cash flows, investment strategy, investment pacing, and fund life. The calculations are not necessarily indicative of total fund performance, which can only be determined after the fund is liquidated and all capital contributed and earnings have been distributed to the investor. All data supplied is as of September 30, 2013. Note: The General Partner of the JPMorgan Urban Renaissance Fund terminated the Fund on February 23, 2010 and all capital contributed, including management fees, was returned to investors.

Executive Summary: Third Quarter 2013 Performance Measurement Report Real Estate

#### **EXHIBIT C: ATTRIBUTION**





II. January Monthly Performance Review:





# Monthly Performance Review January 2014

Prepared for the New York City Fire Department Pension Fund 3.26.2014

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# **ECONOMIC INDICATORS**

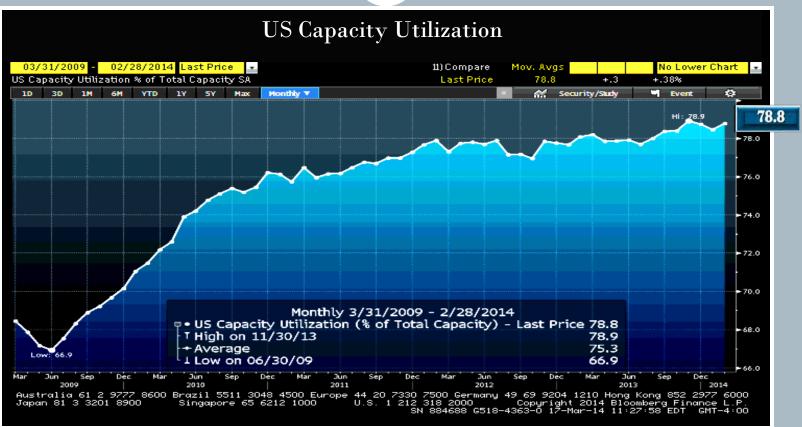
AS OF MARCH 2014



# NYC OFFICE OF THE COMPTROLLER BUREAU OF ASSET MANAGEMENT

# **CAPACITY UTILIZATION**





• Note: The Market Indicators Contained in the Board Materials are a Subset of Indicators Relevant to Fund Performance and Strategic Planning and are not Intended as the Exclusive Indicators.

SOURCE: BLOOMBERG

## ISM MANUFACTURING INDEX





• Note: The Market Indicators Contained in the Board Materials are a Subset of Indicators Relevant to Fund Performance and Strategic Planning and are not Intended as the Exclusive Indicators.

# WEEKLY UNEMPLOYMENT CLAIMS

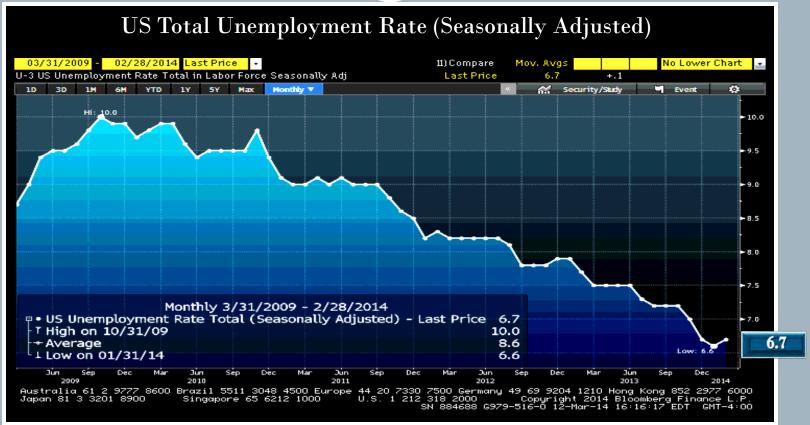




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## **UNEMPLOYMENT RATE**





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## CONSUMER SENTIMENT





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## ARCHITECTURAL BILLINGS INDEX





- A SCORE ABOVE 50 INDICATES AN INCREASE IN THE BILLINGS WHILE A READING BELOW 50 INDICATE A NEGATIVE OUTLOOK;
- THIS INDEX IS CONSIDERED A LEADING INDICATOR FOR COMMERCIAL BUILDING CONSTRUCTION WITH A SIX TO NINE MONTH LAG;
- NOTE: THE MARKET INDICATORS CONTAINED IN THE BOARD MATERIALS ARE A SUBSET OF INDICATORS RELEVANT TO FUND PERFORMANCE AND STRATEGIC PLANNING AND ARE NOT INTENDED AS THE EXCLUSIVE INDICATORS.

## **EXISTING HOME SALES**





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# **NEW HOUSING STARTS**





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## RETAIL SALES





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## US AUTO SALES

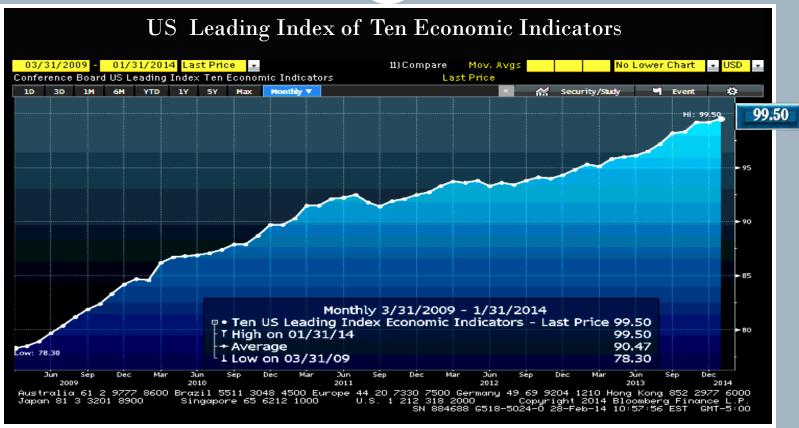




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### INDEX OF LEADING ECONOMIC INDICATORS





- NOTE: THE INDEX OF LEI IS COMPOSED OF: AVE. WEEKLY MANU. HRS., WEEKLY JOBLESS CLAIMS, MANU.'S NEW ORDERS, CONSUMER & CAPITAL, VENDOR PERFORMANCE, NEW BUILDING PERMITS, STOCK PRICES, MONEY SUPPLY M2, INT. RATE SPREADS & CONSUMER
- NOTE: THE MARKET INDICATORS CONTAINED IN THE BOARD MATERIALS ARE A SUBSET OF INDICATORS RELEVANT TO FUND PERFORMANCE AND STRATEGIC PLANNING AND ARE NOT INTENDED AS THE EXCLUSIVE INDICATORS.

### **INFLATION- CPI**





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# **MARKET INDICATORS**

AS OF MARCH 2014



# NYC OFFICE OF THE COMPTROLLER BUREAU OF ASSET MANAGEMENT

### TRADE WEIGHTED US DOLLAR INDEX

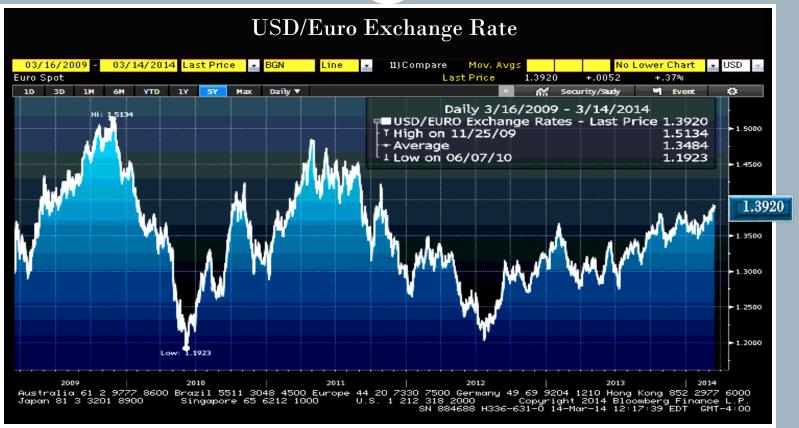




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### **USD/EUR EXCHANGE RATE**

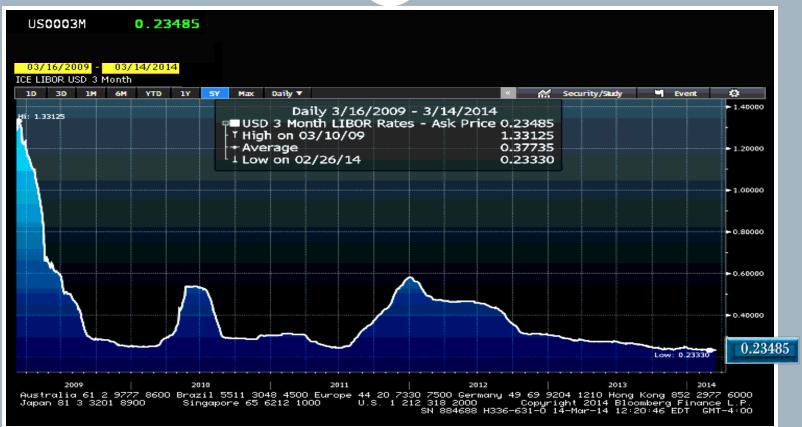




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### **USD THREE MONTH LIBOR RATES**





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# VOLATILITY INDEX (THE "VIX")

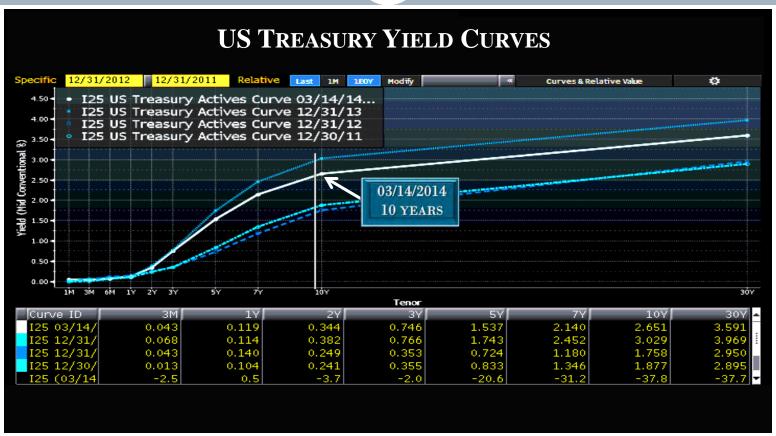




 Note: The Market Indicators Contained in the Board Materials are a Subset of Indicators Relevant to Fund Performance and Strategic Planning and are not Intended as the Exclusive Indicators.

### US HISTORICAL TREASURY YIELD CURVES

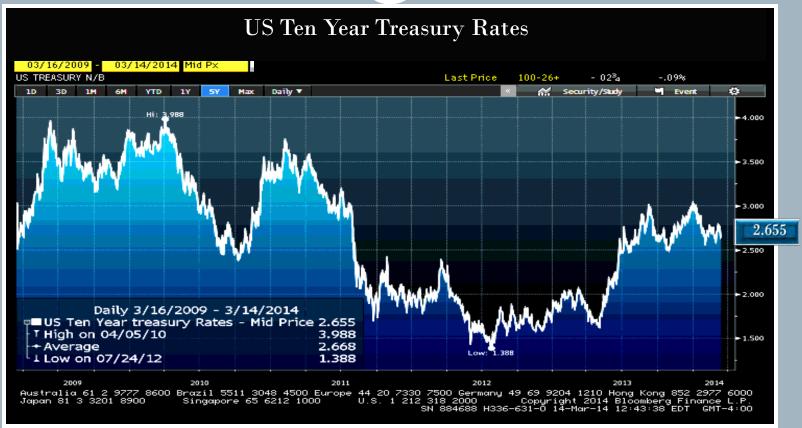




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### **10 YEAR TREASURY RATES**

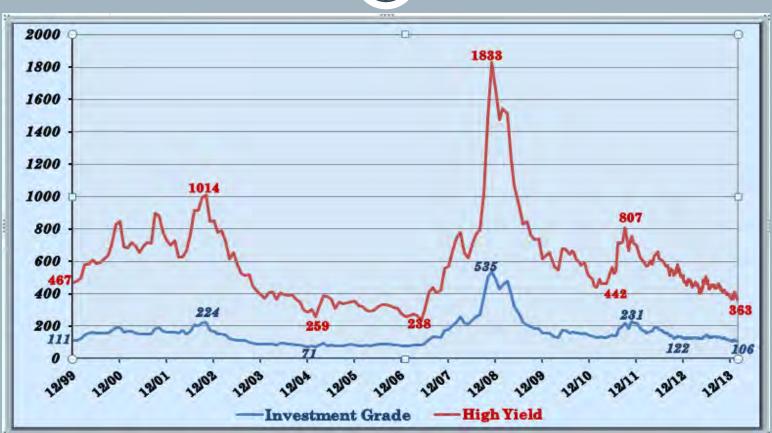




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### INVESTMENT GRADE AND HY SPREADS





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# CORPORATE EARNINGS S & P 500 EARNINGS PER SHARE & P/E RATIO





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# PRICE TO EARNING RATIOS INCLUDING ESTIMATES

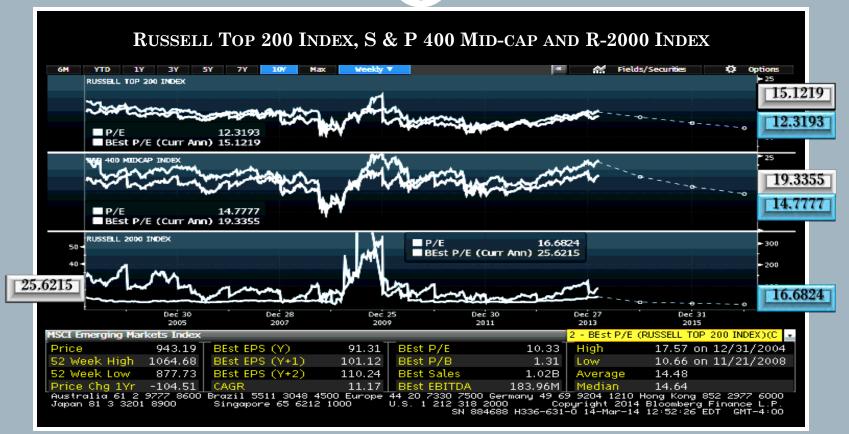




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# PRICE TO EARNING RATIOS INCLUDING ESTIMATES

24



• Note: The Market Indicators Contained in the Board Materials are a Subset of Indicators Relevant to Fund Performance and Strategic Planning and are not Intended as the Exclusive Indicators.

# RECENT GLOBAL EQUITY MARKET RETURNS





• Note: The Market Indicators Contained in the Board Materials are a Subset of Indicators Relevant to Fund Performance and Strategic Planning and are not Intended as the Exclusive Indicators.

## **MERGERS & ACQUISITIONS ACTIVITY**





• Note: The Market Indicators Contained in the Board Materials are a Subset of Indicators Relevant to Fund Performance and Strategic Planning and are not Intended as the Exclusive Indicators.

## CITY OF NEW YORK Market Indicator Page \*NYC Fire Department Pension Fund January 31, 2014

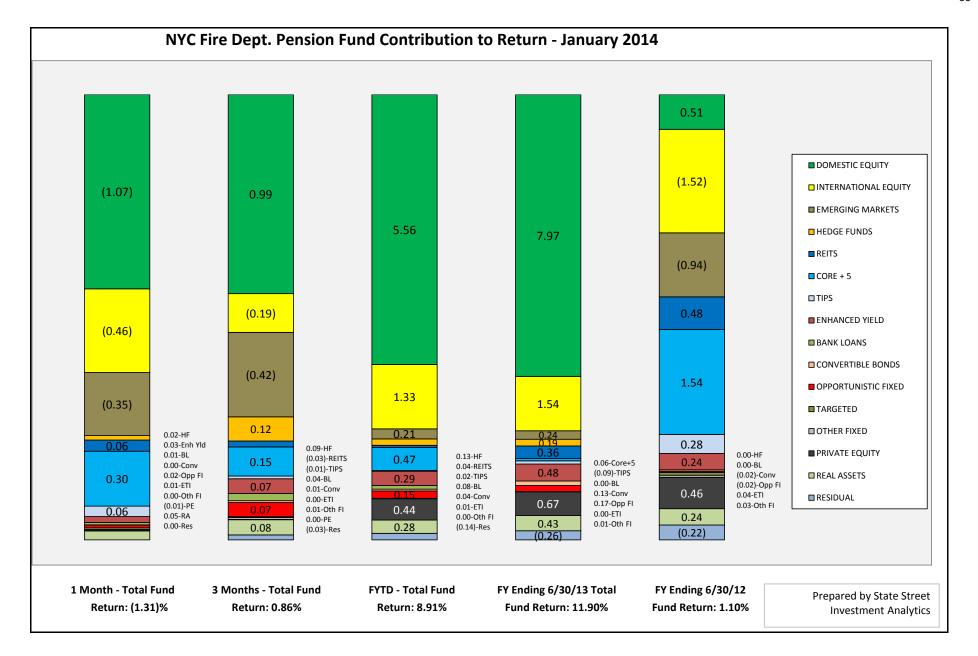


MARKET INDICATORS								
	1 Month	3 Month	Fiscal YTD	1 Year	2 Year	3 Year	5 Year	10 Year
S&P 500	(3.46)	2.00	12.29	21.52	19.12	13.93	19.19	6.83
S&P 400 MID CAP	(2.12)	2.23	14.03	21.87	20.20	14.06	23.21	9.89
RUSSELL 1000	(3.19)	2.21	13.13	22.23	19.60	14.14	19.84	7.23
RUSSELL 2000	(2.77)	3.12	16.50	27.03	21.11	14.69	22.26	8.31
RUSSELL 3000	(3.16)	2.28	13.39	22.60	19.72	14.18	20.03	7.32
RUSSELL 3000 GROWTH	(2.76)	2.88	16.30	24.95	19.06	14.53	21.13	7.41
RUSSELL 3000 VALUE	(3.58)	1.66	10.50	20.18	20.25	13.75	18.83	7.07
MSCI EAFE NET	(4.03)	(1.84)	13.19	11.93	14.56	5.87	13.84	6.32
MSCI EMF NET	(6.49)	(9.19)	0.71	(10.17)	(1.66)	(3.35)	14.78	10.05
MSCI WORLD NET	(3.70)	0.08	12.50	16.07	13.98	8.02	15.46	6.03
MSCI EUROPE SMID CAP NET	(1.79)	2.68	24.98	24.73	23.46	9.54	20.72	9.52
MSCI AC WORLD ex US NET	(4.54)	(3.54)	10.10	5.75	9.73	3.19	13.86	6.90
1 YEAR TREASURY BILL YIELD + 4%	0.37	1.07	2.54	4.32	4.28	4.35	4.58	6.06
HFRI FUND OF FUNDS COMPOSITE + 1%	(0.54)	1.76	5.26	7.07	6.60	3.24	5.60	4.16
NYC - TREASURY AGENCY PLUS FIVE	2.94	(0.06)	0.31	(2.80)	(0.84)	5.60	4.64	5.67
CITIGROUP MORTGAGE INDEX	1.66	0.45	2.17	0.61	1.13	2.93	4.01	4.76
NYC - INVESTMENT GRADE CREDIT	1.32	0.81	3.03	0.36	3.32	5.42	8.03	5.14
NYC - CORE PLUS FIVE	1.68	0.46	2.13	(0.19)	1.56	4.45	5.55	5.19
CITIGROUP BROAD INVESTMENT GRADE	1.45	0.48	1.87	0.10	1.34	3.72	4.71	4.73
BARCLAYS AGGREGATE	1.48	0.53	1.91	0.12	1.35	3.73	4.93	4.62
CITIGROUP BB & B	0.68	1.47	6.04	5.84	9.20	8.49	14.23	6.98
BofA ML HIGH YIELD MASTER II	0.74	1.76	6.61	6.74	10.25	8.54	17.60	8.36
CSFB LEVERAGED LOAN	0.71	1.73	3.98	5.72	7.10	5.32	12.40	5.03
BARCLAYS GLOBAL US TIPS	1.98	(0.61)	0.64	(6.17)	(1.27)	4.16	5.69	4.93
BofA ML ALL CONVERTIBLES EX MANDATORY	1.89	5.87	16.02	22.58	17.58	11.26	19.25	
DJ US SELECT REAL ESTATE	4.00	(1.17)	(0.30)	1.90	7.63	9.08	22.15	8.27
NCREIF NFI - ODCE NET	0.00	2.94	6.38	12.90	11.34	12.53	2.71	6.16
NCREIF NFI-ODCE NET + 1	0.08	3.19						
91 DAY TREASURY BILL	0.01	0.03	0.04	0.08	0.10	0.10	0.13	1.69

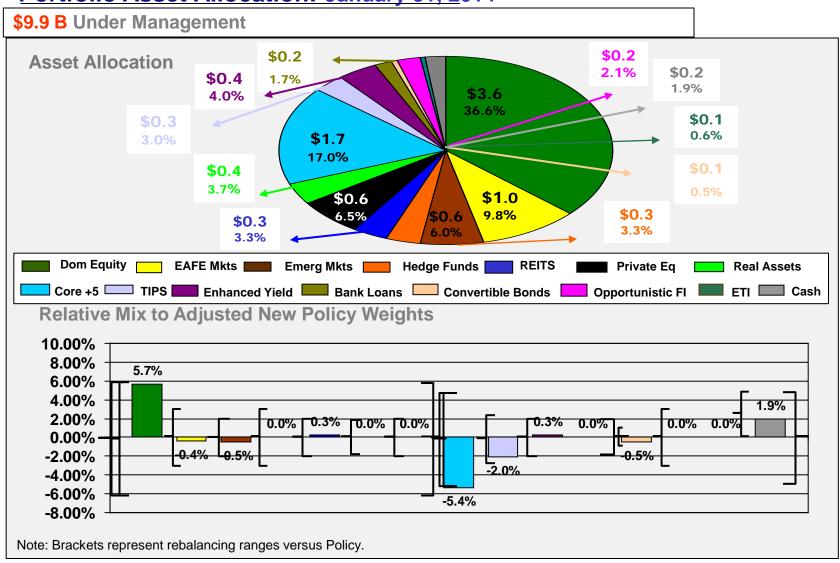
## CITY OF NEW YORK Market Indicator Page \*NYC Fire Department Pension Fund February 28, 2014



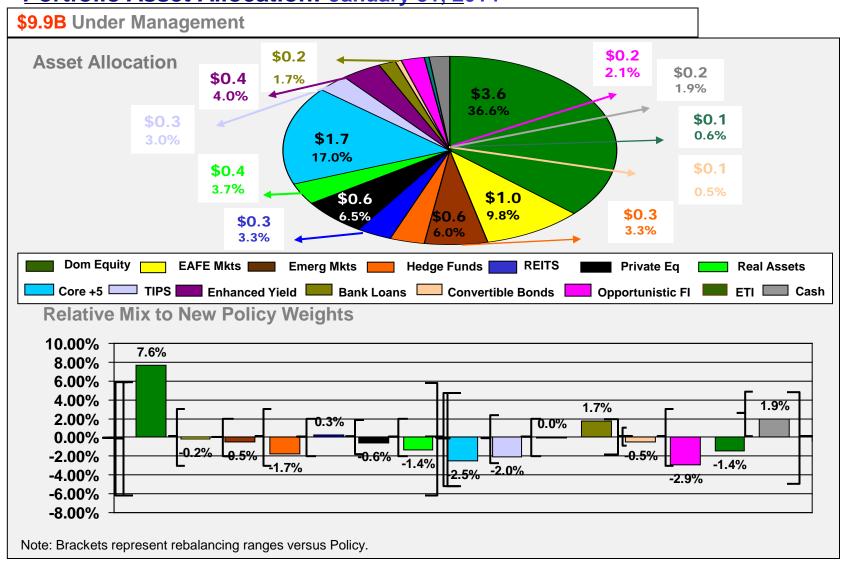
MARKET INDICATORS	4.88	2 March	Finest VTD	4 W	0 V	2 V	E V	40 ٧
	1 Month	3 Month	Fiscal YTD	1 Year	2 Year	3 Year	5 Year	10 Year
S&P 500	4.57	3.51	17.42	25.37	19.27	14.35	23.00	7.16
S&P 400 MID CAP	4.88	5.83	19.60	26.58	20.42	14.14	26.95	10.15
RUSSELL 1000	4.75	4.14	18.50	26.34	19.81	14.60	23.63	7.58
RUSSELL 2000	4.71	3.82	21.99	31.56	22.48	14.41	26.63	8.71
RUSSELL 3000	4.74	4.11	18.77	26.74	20.01	14.58	23.86	7.67
RUSSELL 3000 GROWTH	5.12	5.07	22.26	29.76	19.31	15.13	24.33	7.89
RUSSELL 3000 VALUE	4.34	3.11	15.30	23.65	20.57	13.95	23.34	7.30
MSCI EAFE NET	5.56	2.82	19.48	19.28	14.46	6.63	17.60	6.66
MSCI EMF NET	3.31	(4.79)	4.05	(6.01)	(2.91)	(1.99)	16.88	9.91
MSCI WORLD NET	5.01	3.26	18.13	21.68	16.06	9.81	19.98	6.75
MSCI EUROPE SMID CAP NET	8.57	10.07	35.69	36.33	23.97	11.52	24.87	9.97
MSCI AC WORLD ex US NET	5.02	1.13	15.63	12.25	9.42	3.98	17.25	7.16
1 YEAR TREASURY BILL YIELD + 4%	0.33	1.06	2.88	4.32	4.30	4.35	4.61	6.04
HFRI FUND OF FUNDS COMPOSITE + 1%	1.83	2.66	7.24	8.60	6.73	3.54	6.07	4.24
NYC - TREASURY AGENCY PLUS FIVE	0.62	1.73	0.93	(3.24)	0.10	5.76	4.93	5.55
CITIGROUP MORTGAGE INDEX	0.34	1.48	2.52	0.60	1.25	2.96	3.96	4.70
NYC - INVESTMENT GRADE CREDIT	1.11	2.31	4.17	0.93	3.49	5.60	8.66	5.14
NYC - CORE PLUS FIVE	0.74	1.84	2.88	(0.02)	1.91	4.58	5.78	5.15
CITIGROUP BROAD INVESTMENT GRADE	0.55	1.47	2.44	0.18	1.63	3.84	4.88	4.67
BARCLAYS AGGREGATE	0.53	1.44	2.46	0.15	1.63	3.83	5.13	4.56
CITIGROUP BB & B	2.01	3.18	8.18	7.59	9.16	8.77	15.16	7.22
BofA ML HIGH YIELD MASTER II	2.00	3.32	8.75	8.38	10.10	8.78	18.91	8.59
CSFB LEVERAGED LOAN	0.22	1.47	4.21	5.54	6.82	5.21	12.37	5.02
BARCLAYS GLOBAL US TIPS	0.45	0.93	1.09	(5.78)	(0.89)	4.02	6.20	4.74
BofA ML ALL CONVERTIBLES EX MANDATORY	4.27	8.31	20.98	26.87	18.33	11.83	20.80	7.57
DJ US SELECT REAL ESTATE	5.13	9.92	4.81	6.27	10.92	9.28	29.58	8.59
NCREIF NFI - ODCE NET	0.00	2.94	6.38	12.90	11.34	12.53	2.71	6.16
NCREIF NFI-ODCE NET + 100	0.08	3.19		14.02	12.44	13.65		
91 DAY TREASURY BILL	0.00	0.02	0.04	0.08	0.10	0.09	0.12	1.68



#### Portfolio Asset Allocation: January 31, 2014



#### Portfolio Asset Allocation: January 31, 2014



## NYC FIRE DEPARTMENT PENSION FUND CLASSIFICATION OF INVESTMENTS

(as of January 31st, 2014)

ASSET CLASS ALLOCATIONS	In \$MM	Actual	Policy Target	Adjustment	Adjusted Policy	Adjusted Target Range ***
TOTAL EQUITIES	\$6,873.3	69.2%	65.5%	NA	64.0%	<i>58.0% - 70.0%</i>
TOTAL FIXED INCOME	\$3,064.8	30.8%	34.5%	NA	36.0%	31.0% - 41.0%
TOTAL ASSETS	\$9,938.1	100.0%	100.0%	NA	100.0%	

	In \$MM	Actual	Policy Target	Adjustment	Adjusted Policy	Adjusted Target Range***
US Equities	\$3,639.3	36.6%	29.0%	1.9%	30.9%	24.9% - 36.9%
Non-US Equities/EAFE	\$973.7	9.8%	10.0%	0.1%	10.1%	7.1% - 13.1%
Emerging Markets	\$599.0	6.0%	6.5%	NA	6.5%	4.5% - 8.5%
Real Estate Investment Trusts	\$328.8	3.3%	3.0%	NA	3.0%	1.0% - 5.0%
TOTAL PUBLIC EQUITY	\$5,540.8	55.8%	48.5%	NA	50.6%	
HEDGE FUNDS	\$328.2	3.3%	5.0%	NA	3.3%	2.0% - 8.0%
*REAL ASSETS	\$362.8	3.7%	5.0%	NA	3.7%	3.0% - 7.0%
* PRIVATE EQUITY	\$641.5	6.5%	7.0%	NA	6.5%	5.0% - 9.0%
TOTAL EQUITIES	\$6,873.3	69.2%	65.5%	NA	64.0%	58.0% - 70.0%

	In \$MM	Actual	Policy Target	Adjustment	Adjusted Policy	Adjusted Target Range ***
US - Government	\$212.4	2.1%		NA		
US - Mortgage	\$658.1	6.6%	19.5%	NA	22.5%	17.5% - 27.5%
ပိ US - Investment Grade Credit	\$785.3	7.9%		NA		
TOTAL CORE + 5	\$1,693.3	17.0%	19.5%	3.0%	22.5%	17.5% - 27.5%
High Yield	\$393.3	4.0%	4.00/	NA	F 40/	3.4% - 7.4%
Bank Loans	\$172.9	1.7%	4.0%	NA	5.4%	0.0% - 1.8%
Total High Yield & Bank Loans	\$566.2	5.7%	4.0%	1.4%	5.4%	3.4% - 7.4%
TIPS	\$294.3	3.0%	5.0%	NA	5.0%	2.5% - 7.5%
Convertible Bonds	\$50.6	0.5%	1.0%	NA	1.0%	0.0% - 2.0%
**ETI	\$60.2	0.6%	**2.0%	NA	** 0.6%	** 0.6%
Cash	\$190.1	1.9%	0.0%	NA	0.0%	0.0% - 5.0%
TOTAL PUBLIC FIXED INCOME	\$2,854.7	28.7%	29.5%	NA	33.9%	
* OPPORTUNISTIC FIXED INCOME	\$210.1	2.1%	5.0%	NA	2.1%	2.0% - 8.0%
TOTAL FIXED INCOME	\$3,064.8	30.8%	34.5%	NA	36.0%	31.0% - 41.0%

<sup>\*</sup> Ranges for illiquid asset classes represent minimums and maximums which will be monitored and will influence pacing analysis but will not necessarily result in purchases or sales.

<sup>\*\*</sup> ETIs have a policy of 2% of the total Fund. The ETI adjusted policy % is shown for illustrative purposes only and is not included in the sub-totals. The ETI policy % is included within the policy % of the other asset classes.

<sup>\*\*\*</sup> Adjusted Target Ranges are calculated as follows: Total Equities: +/-6%; Total Fixed Income: +/-5%; US Equities: +/-6%; Non-US Equities/EAFE: +/-3%; Emerging Markets: +/-2%; REITs: +/-2%; Hedge Funds: +/-3%; Real Assets: +/-2%; Private Equity: +/-2%; Core +5: +/-5%; TIPS: +/-2.5%; High Yield & Bank Loans: +/-2% (Bank Loans up to 1/3 of Adjusted Policy); Convertible Bonds: +/-1%; Cash: 0-5%; OFI: +/-3%.

## NYC FIRE DEPARTMENT PENSION FUND CLASSIFICATION OF INVESTMENTS

(as of January 31st, 2014)

#### Adjustments to Long-Term Asset Allocation

#### 1) Private Equity

75% of uninvested commitments will be invested in Domestic Equity and 25% of uninvested commitments will be invested in International Equity.

#### 2) Real Assets

50% of uninvested commitments will be invested in Domestic Equity and 50% of uninvested commitments will be invested in Fixed Income Core +5.

#### 3) Opportunistic Fixed Income

50% of uninvested commitments will be invested in Fixed Income Core +5 and 50% of uninvested commitments will be invested in High Yield.

#### 4) Hedge Funds

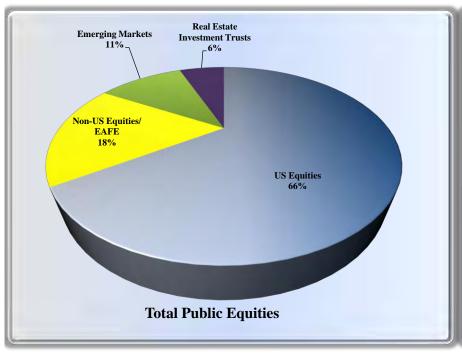
50% of uninvested commitments will be invested in Domestic Equity and 50% of uninvested commitments will be invested in Fixed Income Core +5.

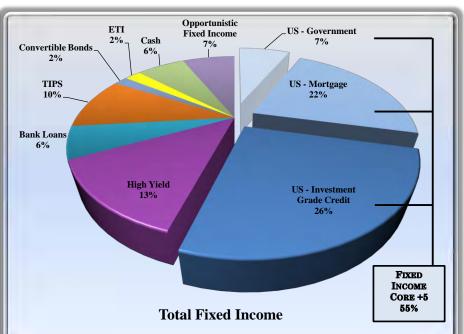
#### **Impact of Adjustments**

1) Core +5 Policy Target %	19.5%
Adjustment: 50% of uninvested Opportunistic Fixed Income	1.4%
Adjustment: 50% of uninvested Real Assets	0.7%
Adjustment: 50% of uninvested Hedge Funds	0.8%
Adjusted Core+5 Policy Target %	22.5%
2) High Yield Policy Target %	4.0%
Adjustment: 50% of uninvested Opportunistic Fixed Income	1.4%
Adjusted High Yield Policy Target %	5.4%
3) Domestic Equity Policy Target %	29.0%
Adjustment: 50% of uninvested Real Assets	0.7%
Adjustment: 75% of uninvested Private Equity	0.4%
Adjustment: 50% of uninvested Hedge Funds	0.8%
Adjusted Domestic Equity Policy Target %	30.9%
4) Non-US Equity/EAFE	10.0%
Adjustment: 25% of uninvested Private Equity	0.1%
Adjusted Non-US Equity/EAFE Policy Target %	10.1%

## NYC FIRE DEPARTMENT PENSION FUND CLASSIFICATION OF INVESTMENTS

(as of January 31st, 2014)





Note: Totals may not equal 100% due to rounding



Chous Enamy survey (51) 2014	Assets (\$MM)	%	-	Trailing 3 Month	EVTD	CVTD	FYE 06/30/13	CYE 12/31/13	CYE 12/31/12	CYE 12/31/11	CYE 12/31/10	Trailing 1 Year	Trailing 3 Year	Trailing 5 Year	Ū	ITD	Inception Date
ASSET CLASS SUMMARY	(\$141141)	or rotal	1 Month	3 WONTH	FIID	CTID	06/30/13	12/31/13	12/31/12	12/31/11	12/31/10	1 fear	3 fear	o rear	10 fear	טוו	Date
ASSET CLASS SUIVIIVIANT																	
FIRE-TOTAL DOM EQUITY	3,639.3	36.62	-2.83	2.67	14.90	-2.83	23.16	35.79	16.67	-0.69	17.54	24.51	14.47	20.28	7.40	12.43	Aug-01-79
FIRE-TOTAL EAFE ENVIRONMENTAL ACTIVIST	973.7	9.80	-4.54	-1.92	13.46	-4.54	16.12	21.60	17.57	-11.82	12.76	10.88	5.87	14.75		6.63	Apr-01-04
FIRE-TOTAL INTL EMERGING EQUITY	599.0	6.03	-5.51	-6.60	3.28	-5.51	3.84	0.68	16.79	-18.34	19.49	-6.52	-2.40	16.35	10.89	7.34	Sep-01-96
FIRE-TOTAL HEDGE FUNDS	328.2	3.30	0.74	3.69	4.07	0.74	8.58	5.09	7.85			4.60				4.03	Jul-01-11
FIRE-TOTAL REAL ESTATE SECURITIES	328.8	3.31	1.93	-0.91	1.27	1.93	8.71	2.72	20.17	8.14	32.08	1.95	9.61	23.54	9.55	12.17	Jan-01-03
FIRE-TOTAL STRUCTURED	1,655.9	16.66	1.83	0.87	2.81	1.83	0.32	-1.86	6.85	8.91	8.54	0.62	5.09	6.81	5.49	8.30	Jan-01-85
FIRE-TOTAL CONVERTIBLE BONDS	50.6	0.51	0.27	1.77	6.96	0.27	13.39	13.75	12.20	-3.87	15.93	10.23	6.44	13.90		7.32	Jul-01-08
FIRE-TOTAL TIPS MANAGERS	294.3	2.96	2.02	-0.48	0.86	2.02	-4.56	-8.32	6.99	13.59	6.42	-5.83	4.36	5.84		4.78	Jun-01-05
FIRE-TOTAL ENHANCED YIELD	393.3	3.96	0.83	1.89	6.95	0.83	8.30	7.15	13.50	5.89	14.08	6.66	8.34	14.67	7.98	8.93	Dec-01-94
FIRE-TOTAL BANK LOANS	172.9	1.74	0.75	2.11	4.92	0.75		7.00				6.59				7.17	Sep-01-12
FIRE-TOTAL OPPORTUNISTIC FIXED	210.1	2.11	0.72	3.43	7.67	0.72	15.26	17.25	16.32	-2.69	23.60	15.52	9.23	16.70		10.76	Nov-01-07
FIRE-TOTAL PROGRESS FIXED	26.8	0.27	1.56	0.83	2.30	1.56	0.00	-1.58				0.52				3.42	Mar-01-12
FIRE-TOTAL CORE PLUS FIX INC	10.7	0.11	1.27	0.72	2.50	1.27	0.57	-1.20	6.22	8.18	7.57	0.55	4.49			6.39	May-01-09
FIRE-TOTAL TARGETED	60.2	0.61	1.58	0.65	1.93	1.58	-0.45	-1.76	4.34	7.20	5.88	0.26	3.64	4.74	4.70	8.65	Nov-01-81
FIRE-TOTAL PRIVATE EQUITY	641.5	6.45	-0.11	0.04	6.79	-0.11	9.38	12.72	11.35	12.50	16.82	12.15	11.96	8.97		12.49	Apr-01-04
FIRE-TOTAL REAL ASSETS	362.8	3.65	1.34	2.05	7.39	1.34	13.31	12.58	14.84	17.72	4.54	13.30	15.09	0.01		6.13	Apr-01-04
FIRE-TOTAL CASH	175.4	1.76	0.00	0.04	0.12	0.00	0.33	0.29	0.35	0.35	0.53	0.27	0.32	0.51		2.20	Apr-01-04
SECURITY LENDING	14.7	0.15															Apr-01-04
FIRE-TOTAL FIRE	9,938.1	100.00	-1.31	0.86	8.91	-1.31	11.90	15.88	13.13	0.84	14.42	11.28	8.83	13.87	7.01	8.71	Jul-01-87
FIRE-TOTAL EQUITY	F 242.0	52.44	2.46	0.64	12.50	-3.46	18.56	27.03	17.09	4.16	17.36	16.79	10.66	10.55		7.00	Ans 01 04
	5,212.0		-3.46							-4.16	17.30		10.00	18.55		7.38	Apr-01-04
FIRE-TOTAL FIVED INCOME	328.2	3.30	0.74	3.69	4.07	0.74	8.58	5.09	7.85	0.05	40.00	4.60	5.00	0.70		4.03	Jul-01-11
FIRE-TOTAL PRIVATE FOLUTY	2,874.7	28.93	1.53	1.14	3.71	1.53	2.57	0.71	8.48	8.05	10.00	2.23	5.98	8.79		6.04	Apr-01-04
FIRE-TOTAL PRIVATE EQUITY	641.5	6.45	-0.11	0.04	6.79	-0.11	9.38	12.72	11.35	12.50	16.82	12.15	11.96	8.97	0.55	12.49	
FIRE-TOTAL REAL ASSETS	328.8	3.31	1.93	-0.91	1.27	1.93	8.71	2.72	20.17	8.14	32.08	1.95	9.61	23.54	9.55	12.17	
FIRE-TOTAL CASH	362.8	3.65	1.34	2.05	7.39	1.34	13.31	12.58	14.84	17.72	4.54	13.30	15.09	0.01		6.13	Apr-01-04
FIRE-TOTAL CASH	175.4	1.76	0.00	0.04	0.12	0.00	0.33	0.29	0.35	0.35	0.53	0.27	0.32	0.51		2.20	Apr-01-04
SECURITY LENDING	14.7	0.15					44.00	45.00	10.15		11.15	44.05		10.05			Apr-01-04
FIRE-TOTAL FIRE	9,938.1	100.00	-1.31	0.86	8.91	-1.31	11.90	15.88	13.13	0.84	14.42	11.28	8.83	13.87	7.01	8.71	Jul-01-87
Fire Policy Benchmark			-0.82	0.72	7.59	-0.82	11.77	13.88	13.45	2.02	14.81	9.99	8.66	15.70	7.36		Jul-01-94

Manager / Benchmark Comparison Report Rates of Return - Total Periods Ending January 31, 2014



Periods Ending January 31, 2014	Assets	% of	Trailing	Trailing			FYE	CYE	CYE	CYE	CYE	Trailing	Trailing	Trailing	Trailing		Inception
	(\$MM)	Total	1 Month	3 Month	FYTD	CYTD	06/30/13	12/31/13	12/31/12	12/31/11	12/31/10	1 Year	3 Year	5 Year	10 Year	ITD	Date
EQUITY ASSET CLASS SUMMARY																	
FIRE-TOTAL DOM EQUITY	3,639.3	36.62	-2.83	2.67	14.90	-2.83	23.16	35.79	16.67	-0.69	17.54	24.51	14.47	20.28	7.40	12.43	Aug-01-79
FIRE-TOTAL PASSIVE DOM EQUITY	2,616.4	26.33	-3.08	2.29	13.47	-3.08	21.81	33.59	16.43	0.35	16.95	22.57	14.08	19.90	7.32	11.36	Dec-01-84
RUSSELL 3000 (DAILY)	_,		-3.16	2.28	13.39	-3.16	21.46	33.55	16.42	1.03	16.93	22.60	14.18	20.03	7.32	11.16	Dec-01-84
Excess			0.08	0.01	0.07	0.08	0.35	0.04	0.01	-0.67	0.02	-0.03	-0.10	-0.13	0.01	0.19	
FIRE-TOTAL RUSSELL 3000 PASSIVE	990.0	9.96	-3.15	2.28	13.53	-3.15	21.47	33.69	16.42	1.06	16.95	22.76	14.24	20.07	7.40	9.52	Aug-01-91
RUSSELL 3000 (DAILY)			-3.16	2.28	13.39	-3.16	21.46	33.55	16.42	1.03	16.93	22.60	14.18	20.03	7.32	9.51	Aug-01-91
Excess			0.01	0.00	0.13	0.01	0.01	0.14	0.00	0.04	0.02	0.16	0.06	0.04	0.08	0.01	
FIRE-TOTAL RUSSELL 1000 PASSIVE	1,417.3	14.26	-3.19	2.26		-3.19										6.73	Oct-01-13
RUSSELL 1000 (DAILY)			-3.19	2.21		-3.19										6.71	Oct-01-13
Excess			0.01	0.06		0.01										0.03	
FIRE-TOTAL SMALL CAP PASSIVE	48.0	0.48	-2.79	3.20		-2.79										5.86	Oct-01-13
RUSSELL 2000 (DAILY)			-2.77	3.12		-2.77										5.71	Oct-01-13
Excess			-0.03	0.08		-0.03										0.15	
FIRE-TOTAL MID CAP PASSIVE	161.2	1.62	-2.12	2.24	13.99	-2.12	25.14	33.44	17.87			21.84	14.07			14.07	Feb-01-11
S&P 400 MIDCAP INDEX (DAILY)			-2.12	2.23	14.03	-2.12	25.18	33.50	17.88			21.87	14.06			14.06	Feb-01-11
Excess			0.00	0.00	-0.04	0.00	-0.04	-0.06	0.00			-0.03	0.01			0.01	
FIRE-TOTAL ACTIVE DOM EQUITY	1,022.9	10.29	-2.17	3.66	19.01	-2.17	26.76	42.19	17.18	-3.39	18.47	30.18	15.59	21.28	7.75	10.37	Jul-01-81
RUSSELL 3000 (DAILY)			-3.16	2.28	13.39	-3.16	21.46	33.55	16.42	1.03	16.93	22.60	14.18	20.03	7.32	11.12	Jul-01-81
Excess			0.99	1.38	5.62	0.99	5.29	8.64	0.76	-4.42	1.54	7.57	1.41	1.25	0.43	-0.76	
FIRE-TOTAL SMALL CAP ACTIVE	154.2	1.55	-3.57	1.67	17.89	-3.57	22.79	38.80	16.41	-4.86	20.91	25.94	13.94	21.58		6.68	Apr-01-04
RUSSELL 2000 (DAILY)			-2.77	3.12	16.50	-2.77	24.21	38.82	16.35	-4.18	26.85	27.03	14.69	22.26		8.25	Apr-01-04
Excess			-0.80	-1.45	1.39	-0.80	-1.42	-0.02	0.06	-0.68	-5.95	-1.09	-0.76	-0.68		-1.57	
Security Global Investors SMID	73.3	0.74	-3.38	0.14	11.28	-3.38	29.19	33.31	18.02	-5.50		19.67	11.96			14.84	Nov-01-10
RUSSELL 2500 VALUE (DAILY)			-2.67	1.75	12.74	-2.67	26.88	33.32	19.21	-3.36		21.50	13.77			16.39	Nov-01-10
Excess			-0.71	-1.60	-1.46	-0.71	2.31	-0.02	-1.19	-2.14		-1.82	-1.81			-1.55	
FIRE-TOTAL MID CAP ACTIVE	339.5	3.42	-1.86	5.49	17.73	-1.86	28.57	39.72	21.64	-2.82	24.84	28.33	16.71	23.96		8.58	Apr-01-04
RUSSELL MIDCAP (DAILY)			-1.95	2.65	14.45	-1.95	25.41	34.76	17.28	-1.55	25.48	23.68	14.32	23.77		9.62	Apr-01-04
Excess			0.08	2.84	3.28	0.08	3.16	4.95	4.36	-1.28	-0.63	4.65	2.40	0.19		-1.04	
FIRE-TOTAL RUSSELL 1000 ACTIVE	300.4	3.02	-0.88	4.07		-0.88						39.31	16.81	21.58		8.07	Apr-01-04
RUSSELL 1000 (DAILY)			-3.19	2.21		-3.19						22.23	14.14	19.84		7.36	Apr-01-04

Manager / Benchmark Comparison Report Rates of Return - Total



Periods Ending January 31, 2014																	
,,	Assets (\$MM)	% of Total	Trailing 1 Month	Trailing 3 Month	FYTD	CYTD	FYE 06/30/13	CYE 12/31/13	CYE 12/31/12	CYE 12/31/11	CYE 12/31/10	Trailing 1 Year	Trailing 3 Year	Trailing 5 Year	Trailing 10 Year	ITD	Inception Date
Excess			2.31	1.86		2.31						17.08	2.67	1.74		0.71	
FIRE-EMERGING MANAGER PROGRAM	155.5	1.56	-3.29	2.67	16.55	-3.29	25.90	40.14	17.69	-1.92	17.14	27.55	15.24	20.72	8.09	7.68	Nov-01-01
RUSSELL 2000 (DAILY)			-2.77	3.12	16.50	-2.77	24.21	38.82	16.35	-4.18	26.85	27.03	14.69	22.26	8.31	9.68	Nov-01-01
Excess			-0.52	-0.45	0.05	-0.52	1.69	1.32	1.34	2.25	-9.71	0.52	0.55	-1.54	-0.22	-2.00	
FIRE-TOTAL INTL EQUITY	1,572.7	15.83	-4.91	-3.84	9.26	-4.91	10.93	12.64	17.14	-14.05	14.46	3.50	2.47	14.12	7.18	7.03	Jul-01-91
MSCI AC WORLD ex US (NET)			-4.54	-3.54	10.10	-4.54	13.63	15.29	16.83	-13.71	11.15	5.75	3.19	13.86	6.90		Jul-01-91
Excess			-0.37	-0.30	-0.84	-0.37	-2.70	-2.65	0.31	-0.34	3.31	-2.24	-0.72	0.26	0.28		
TOTAL PASSIVE DEVELOPED	104.9	1.06	-4.00	-5.98	8.39	-4.00	18.80	17.90	17.54	-11.59	8.14	7.55	4.68	13.30	6.23	5.94	Dec-01-90
MSCI EAFE NET (DAILY)			-4.03	-1.84	13.19	-4.03	18.62	22.78	17.32	-12.14	7.75	11.93	5.87	13.84	6.32	5.99	Dec-01-90
Excess			0.03	-4.13	-4.80	0.03	0.17	-4.88	0.22	0.55	0.39	-4.39	-1.19	-0.54	-0.10	-0.05	
FIRE-TOTAL PASSIVE EMERGING MARKETS	168.7	1.70	-6.50	-9.07	1.07	-6.50	3.21	-1.97	18.27			-9.65				-5.12	Apr-01-11
MSCI EMERGING MARKETS			-6.49	-9.19	0.71	-6.49	2.87	-2.60	18.22			-10.17				-5.15	Apr-01-11
Excess			-0.01	0.12	0.36	-0.01	0.34	0.63	0.04			0.51				0.03	
FIRE-TOTAL ACTIVE EAFE EQUITY	866.1	8.72	-4.60	-1.69	13.56	-4.60	15.60	21.38	17.56	-11.50	13.48	10.68	5.98	14.98	6.90	7.11	Apr-01-91
MSCI EAFE NET (DAILY)			-4.03	-1.84	13.19	-4.03	18.62	22.78	17.32	-12.14	7.75	11.93	5.87	13.84	6.32	5.67	Apr-01-91
Excess			-0.58	0.16	0.37	-0.58	-3.02	-1.39	0.24	0.64	5.73	-1.25	0.11	1.14	0.58	1.44	
FIRE-TOTAL ACTIVE EMERGING MARKETS	430.3	4.33	-5.12	-5.59	4.17	-5.12	4.13	1.87	16.13	-18.38	19.49	-5.15	-2.08	16.58		10.61	Apr-01-04
MSCI EMERGING MARKETS			-6.49	-9.19	0.71	-6.49	2.87	-2.60	18.22	-18.42	18.88	-10.17	-3.35	14.78		9.58	Apr-01-04
Excess			1.38	3.60	3.46	1.38	1.26	4.47	-2.09	0.05	0.61	5.01	1.27	1.79		1.03	
FIRE-TOTAL NON-U.S. ACTIVIST	2.7	0.03	-1.33	0.40	23.73	-1.33	27.47	33.85	22.10	-23.54	36.64	25.49	7.23			25.76	Mar-01-09
MSCI EUROPE SMID CAP			-1.79	2.68	24.98	-1.79	24.68	33.72	25.19	-17.92	15.59	24.73	9.54			23.23	Mar-01-09
Excess			0.46	-2.28	-1.26	0.46	2.79	0.14	-3.09	-5.62	21.05	0.76	-2.31			2.53	
FIXED INCOME ASSET CLASS SUMMARY																	
TOTAL FIXED INCOME																	
FIRE-TOTAL FIXED INCOME	2,874.7	28.93	1.53	1.14	3.71	1.53	2.57	0.71	8.48	8.05	10.00	2.23	5.98	8.79		6.04	Apr-01-04
FIRE-TOTAL STRUCTURED	1,655.9	16.66	1.83	0.87	2.81	1.83	0.32	-1.86	6.85	8.91	8.54	0.62	5.09	6.81	5.49	8.30	Jan-01-85
NYC - Core Plus Five			1.68	0.46	2.13	1.68	-0.95	-2.79	5.41	9.40	7.13	-0.19	4.45	5.55	5.19		Jan-01-85
Excess			0.15	0.42	0.69	0.15	1.27	0.93	1.44	-0.50	1.41	0.81	0.64	1.26	0.29		
FIRE-TOTAL MORTGAGE	658.1	6.62	1.73	0.61	2.35	1.73	-0.15	-1.23	4.37	6.26	7.64	0.75	3.54	5.38	5.03	7.15	Mar-01-87
CITIGROUP MORTGAGE INDEX			1.66	0.45	2.17	1.66	-1.15	-1.52	2.60	6.38	5.50	0.61	2.93	4.01	4.76	6.79	Mar-01-87
Excess			0.08	0.16	0.18	0.08	0.99	0.28	1.78	-0.12	2.14	0.14	0.62	1.37	0.27	0.36	

Manager / Benchmark Comparison Report Rates of Return - Total



Periods Ending January 31, 2014	Assets (\$MM)	% of Total		Trailing 3 Month	EVTD	CVTD	FYE 06/30/13	CYE	CYE	CYE	CYE 12/31/10	Trailing 1 Year	Trailing 3 Year	Trailing 5 Year	Trailing 10 Year	ITD	Inception Date
	(Фічіні)	I Otal	1 WOILLI	3 WOTH	FIID	CITE	00/30/13	12/31/13	12/31/12	12/31/11	12/31/10	i ieai	3 Teal	Jieai	10 Teal	110	Date
FIRE-TOTAL INVESTMENT GRADE CREDIT	785.3	7.90	1.57	1.25	3.87	1.57	2.33	-0.78	10.56	8.04	9.38	1.42	6.26	9.62	5.41	7.52	Jan-01-87
NYC - Investment Grade Credit			1.32	0.81	3.03	1.32	1.19	-1.85	9.52	7.79	8.36	0.36	5.42	8.03	5.14		Jan-01-87
Excess			0.25	0.44	0.84	0.25	1.14	1.08	1.04	0.24	1.02	1.06	0.84	1.59	0.27		
FIRE-TOTAL GOVERNMENT	212.4	2.14	3.15	0.30	0.57	3.15	-4.38	-7.40	4.07	18.42	9.45	-2.56	5.75	5.13	5.78	7.73	Jan-01-87
NYC - Treasury Agency Plus Five			2.94	-0.06	0.31	2.94	-4.52	-7.48	3.84	18.44	9.24	-2.80	5.60	4.64	5.67		Jan-01-87
Excess			0.21	0.36	0.26	0.21	0.14	80.0	0.23	-0.02	0.21	0.25	0.15	0.49	0.12		
FIRE-TOTAL ENHANCED YIELD	393.3	3.96	0.83	1.89	6.95	0.83	8.30	7.15	13.50	5.89	14.08	6.66	8.34	14.67	7.98	8.93	Dec-01-94
CITIGROUP BB & B			0.68	1.47	6.04	0.68	8.11	6.17	14.45	6.58	13.35	5.84	8.49	14.23	6.98	7.57	Dec-01-94
Excess			0.15	0.42	0.91	0.15	0.19	0.98	-0.95	-0.69	0.73	0.82	-0.15	0.44	0.99	1.35	
FIRE-TOTAL BANK LOANS	172.9	1.74	0.75	2.11	4.92	0.75		7.00				6.59				7.17	Sep-01-12
CSFB LEVERAGED LOAN INDEX			0.71	1.73	3.98	0.71		6.15				5.72				6.53	Sep-01-12
Excess			0.05	0.39	0.95	0.05		0.85				0.87				0.64	
FIRE-TOTAL TIPS MANAGERS	294.3	2.96	2.02	-0.48	0.86	2.02	-4.56	-8.32	6.99	13.59	6.42	-5.83	4.36	5.84		4.78	Jun-01-05
Barclays Global Inflation Linked: US TIPS (Daily)			1.98	-0.61	0.64	1.98	-4.78	-8.61	6.98	13.56	6.31	-6.17	4.16	5.69		4.59	Jun-01-05
Excess			0.04	0.13	0.23	0.04	0.22	0.28	0.01	0.03	0.11	0.34	0.20	0.15		0.19	
FIRE-TOTAL CONVERTIBLE BONDS	50.6	0.51	0.27	1.77	6.96	0.27	13.39	13.75	12.20	-3.87	15.93	10.23	6.44	13.90		7.32	Jul-01-08
Fire Custom Convertible Bond Index			1.42	2.24	6.34	1.42	12.29	10.33	12.21	-1.73	12.98	8.45	6.58	14.99		7.79	Jul-01-08
Excess			-1.15	-0.48	0.63	-1.15	1.10	3.42	-0.01	-2.14	2.95	1.78	-0.14	-1.09		-0.47	
FIRE-TOTAL OPPORTUNISTIC FIXED	210.1	2.11	0.72	3.43	7.67	0.72	15.26	17.25	16.32	-2.69	23.60	15.52	9.23	16.70		10.76	Nov-01-07
10% Annual Return			0.80	2.41	5.72	0.80	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00		10.00	Nov-01-07
Excess			-0.08	1.02	1.95	-0.08	5.26	7.25	6.32	-12.69	13.60	5.52	-0.77	6.70		0.76	
FIRE-TOTAL PROGRESS FIXED	26.8	0.27	1.56	0.83	2.30	1.56	0.00	-1.58				0.52				3.42	Mar-01-12
Barclays Aggregate (Daily)			1.48	0.53	1.91	1.48	-0.69	-2.02				0.12				1.41	Mar-01-12
Excess			0.08	0.30	0.38	0.08	0.69	0.45				0.40				2.00	
FIRE-TOTAL CORE PLUS FIX INC	10.7	0.11	1.27	0.72	2.50	1.27	0.57	-1.20	6.22	8.18	7.57	0.55	4.49			6.39	May-01-09
Barclays Aggregate (Daily)			1.48	0.53	1.91	1.48	-0.69	-2.02	4.21	7.84	6.54	0.12	3.73			4.87	May-01-09
Excess			-0.21	0.19	0.58	-0.21	1.25	0.82	2.01	0.34	1.03	0.42	0.76			1.52	
FIRE-TOTAL TARGETED	60.2	0.61	1.58	0.65	1.93	1.58	-0.45	-1.76	4.34	7.20	5.88	0.26	3.64	4.74	4.70	8.65	Nov-01-81
Fire Custom Benchmark (No Cash)			1.44	0.47	1.88	1.44	-0.61	-1.74	3.79	7.17	6.10	0.29	3.45	4.49	4.49		Nov-01-81
Excess			0.13	0.18	0.05	0.13	0.15	-0.01	0.55	0.03	-0.22	-0.03	0.19	0.25	0.21		
CASH ASSET CLASS SUMMARY																	

CASH ASSET CLASS SUMMARY



Periods Ending January 31, 2014																	
	Assets (\$MM)	% of Total	Trailing 1 Month	Trailing 3 Month	FYTD	CYTD	FYE 06/30/13	CYE 12/31/13	CYE 12/31/12	CYE 12/31/11	CYE 12/31/10	Trailing 1 Year	Trailing 3 Year	Trailing 5 Year	Trailing 10 Year	ITD	Inception Date
FIRE-TOTAL CASH	175.4	1.76	0.00	0.04	0.12	0.00	0.33	0.29	0.35	0.35	0.53	0.27	0.32	0.51		2.20	Apr-01-04
91 DAY TREASURY BILL (DAILY)			0.01	0.03	0.04	0.01	0.11	0.07	0.11	0.10	0.13	0.08	0.10	0.13		1.70	Apr-01-04
Excess			-0.01	0.01	0.08	-0.01	0.22	0.21	0.23	0.25	0.41	0.19	0.22	0.38		0.50	
US EQUITY																	
State Street Global Advisors R3000	990.0	9.96	-3.15	2.28	13.41	-3.15	21.51	33.55	16.44	1.17		22.63	14.25			17.25	Oct-01-10
RUSSELL 3000 (DAILY)			-3.16	2.28	13.39	-3.16	21.46	33.55	16.42	1.03		22.60	14.18			17.18	Oct-01-10
Excess			0.01	0.00	0.02	0.01	0.05	0.00	0.03	0.14		0.03	0.07			0.06	
FIRE-TOTAL SMALL CAP	202.1	2.03	-3.39	2.06	17.90	-3.39	22.79	38.55	15.20	-5.25	20.91	25.95	13.39	21.23	6.64	8.71	Sep-01-02
RUSSELL 2000 (DAILY)			-2.77	3.12	16.50	-2.77	24.21	38.82	16.35	-4.18	26.85	27.03	14.69	22.26	8.31	11.20	Sep-01-02
Excess			-0.62	-1.06	1.40	-0.62	-1.42	-0.27	-1.15	-1.07	-5.95	-1.08	-1.31	-1.03	-1.66	-2.49	
FIRE-TOTAL SMALL CAP PASSIVE	48.0	0.48	-2.79	3.20		-2.79										5.86	Oct-01-13
RUSSELL 2000 (DAILY)			-2.77	3.12		-2.77										5.71	Oct-01-13
Excess			-0.03	0.08		-0.03										0.15	
NYC FIRE BLACKROCK R2000 GROWTH	24.1		-1.72	4.58		-1.72										6.61	Oct-01-13
RUSSELL 2000 GROWTH DAILY			-1.73	4.40		-1.73										6.30	Oct-01-13
Excess			0.01	0.18		0.01										0.31	
NYC FIRE BLACKROCK R2000 VALUE	23.9		-3.85	1.84		-3.85										5.16	Oct-01-13
RUSSELL 2000 VALUE DAILY			-3.87	1.77		-3.87										5.07	Oct-01-13
Excess			0.02	0.08		0.02										0.09	
FIRE-TOTAL SMALL CAP ACTIVE	154.2	1.55	-3.57	1.67	17.89	-3.57	22.79	38.80	16.41	-4.86	20.91	25.94	13.94	21.58		6.68	Apr-01-04
RUSSELL 2000 (DAILY)			-2.77	3.12	16.50	-2.77	24.21	38.82	16.35	-4.18	26.85	27.03	14.69	22.26		8.25	Apr-01-04
Excess			-0.80	-1.45	1.39	-0.80	-1.42	-0.02	0.06	-0.68	-5.95	-1.09	-0.76	-0.68		-1.57	
Brown AM - SCG	36.2	0.36	0.51	6.87	31.21	0.51	27.86	53.59	21.40	0.61	29.19	44.53	24.27			29.19	May-01-09
RUSSELL 2000 GROWTH DAILY			-1.73	4.40	19.91	-1.73	23.67	43.30	14.59	-2.91	29.09	32.13	16.36			22.44	May-01-09
Excess			2.24	2.47	11.30	2.24	4.19	10.29	6.81	3.51	0.11	12.40	7.91			6.75	
FIRE-TOTAL SMALL CAP VALUE (ACTIVE)	117.9	1.19	-4.75	0.17	14.33	-4.75	23.36	35.29	19.05	-5.76		21.19	12.55			14.52	Apr-01-10
RUSSELL 2000 VALUE DAILY			-3.87	1.77	13.05	-3.87	24.76	34.52	18.05	-5.50		22.04	12.97			13.62	Apr-01-10
Excess			-0.88	-1.59	1.28	-0.88	-1.40	0.76	1.00	-0.26		-0.86	-0.42			0.90	·
CEREDEX SCV	71.3	0.72	-5.42	-0.79	14.33	-5.42		35.75				19.77				25.91	Jan-01-13
RUSSELL 2000 VALUE DAILY			-3.87	1.77	13.05	-3.87		34.52				22.04				26.74	Jan-01-13
Excess			-1.55	-2.56	1.28	-1.55		1.23				-2.28				-0.83	
Dalton Greiner Sm Cap-Value	46.7	0.47	-3.71	1.69	14.33	-3.71	25.66	34.56	20.60	-5.76		23.42	13.24			15.07	Apr-01-10
RUSSELL 2000 VALUE DAILY			-3.87	1.77	13.05	-3.87	24.76	34.52	18.05	-5.50		22.04	12.97			13.62	Apr-01-10
Excess			0.15	-0.07	1.28	0.15	0.89	0.04	2.55	-0.26		1.37	0.27			1.45	



Terrous Ending Junuary 31, 2014	Assets (\$MM)	% of Total	Trailing 1 Month		FYTD	CYTD	FYE 06/30/13	CYE 12/31/13	CYE 12/31/12	CYE 12/31/11	CYE 12/31/10	Trailing 1 Year	Trailing 3 Year	Trailing 5 Year	Trailing 10 Year	ITD	Inception Date
	, , , , , , , , , , , , , , , , , , ,																
Security Global Investors SMID	73.3	0.74	-3.38	0.14	11.28	-3.38	29.19	33.31	18.02	-5.50		19.67	11.96			14.84	Nov-01-10
RUSSELL 2500 VALUE (DAILY)			-2.67	1.75	12.74	-2.67	26.88	33.32	19.21	-3.36		21.50	13.77			16.39	Nov-01-10
Excess			-0.71	-1.60	-1.46	-0.71	2.31	-0.02	-1.19	-2.14		-1.82	-1.81			-1.55	
Security Global Investors SMID	73.3	0.74	-3.38	0.14	11.28	-3.38	29.19	33.31	18.02	-5.50		19.67	11.96			14.84	Nov-01-10
RUSSELL 2500 VALUE (DAILY)			-2.67	1.75	12.74	-2.67	26.88	33.32	19.21	-3.36		21.50	13.77			16.39	Nov-01-10
Excess			-0.71	-1.60	-1.46	-0.71	2.31	-0.02	-1.19	-2.14		-1.82	-1.81			-1.55	
FIRE-TOTAL MID CAP	500.7	5.04	-1.96	4.22	16.29	-1.96	27.05	37.17	19.96	-3.90	24.84	25.68	15.67	22.86	8.24	9.86	Sep-01-02
RUSSELL MIDCAP (DAILY)			-1.95	2.65	14.45	-1.95	25.41	34.76	17.28	-1.55	25.48	23.68	14.32	23.77	9.69	11.76	Sep-01-02
Excess			-0.01	1.57	1.84	-0.01	1.65	2.40	2.68	-2.35	-0.63	2.00	1.35	-0.90	-1.45	-1.91	
State St GA S&P 400	161.2	1.62	-2.12	2.24	13.99	-2.12	25.14	33.44	17.87			21.84	14.07			14.07	Feb-01-11
S&P 400 MIDCAP INDEX (DAILY)			-2.12	2.23	14.03	-2.12	25.18	33.50	17.88			21.87	14.06			14.06	Feb-01-11
Excess			0.00	0.00	-0.04	0.00	-0.04	-0.06	0.00			-0.03	0.01			0.01	
FIRE-TOTAL MID CAP ACTIVE	339.5	3.42	-1.86	5.49	17.73	-1.86	28.57	39.72	21.64	-2.82	24.84	28.33	16.71	23.96		8.58	Apr-01-04
RUSSELL MIDCAP (DAILY)			-1.95	2.65	14.45	-1.95	25.41	34.76	17.28	-1.55	25.48	23.68	14.32	23.77		9.62	Apr-01-04
Excess			0.08	2.84	3.28	0.08	3.16	4.95	4.36	-1.28	-0.63	4.65	2.40	0.19		-1.04	
Times Square Capital MCG	154.2	1.55	-3.52	3.82	14.84	-3.52	26.06	37.62	19.47	-1.62		24.06	15.50			16.71	Nov-01-10
RUSSELL MIDCAP GROWTH (DAILY)			-2.17	3.17	15.77	-2.17	22.88	35.74	15.81	-1.65		25.08	14.03			16.85	Nov-01-10
Excess			-1.34	0.65	-0.93	-1.34	3.18	1.87	3.66	0.03		-1.02	1.47			-0.14	
Times Square Capital MCG	154.2	1.55	-3.52	3.82	14.84	-3.52	26.06	37.62	19.47	-1.62		24.06	15.50			16.71	Nov-01-10
RUSSELL MIDCAP GROWTH (DAILY)			-2.17	3.17	15.77	-2.17	22.88	35.74	15.81	-1.65		25.08	14.03			16.85	Nov-01-10
Excess			-1.34	0.65	-0.93	-1.34	3.18	1.87	3.66	0.03		-1.02	1.47			-0.14	
FIRE-TOTAL MID CAP VALUE	91.3	0.92	-0.56	7.94	21.41	-0.56	36.85	43.23	27.87	-0.32	26.17	34.84	20.55	26.29	11.01	12.41	Sep-01-02
RUSSELL MIDCAP VALUE (DAILY)			-1.69	2.07	13.02	-1.69	27.65	33.46	18.51	-1.38	24.75	22.14	14.46	23.41	9.78	11.51	Sep-01-02
Excess			1.13	5.88	8.40	1.13	9.20	9.77	9.36	1.06	1.42	12.70	6.09	2.87	1.23	0.91	
Iridian Asset Mgmt. MCV	91.3	0.92	-0.56	7.94	21.41	-0.56	36.85	43.23	27.87	-0.32		34.84	20.55			23.43	Nov-01-10
RUSSELL MIDCAP VALUE (DAILY)			-1.69	2.07	13.02	-1.69	27.65	33.46	18.51	-1.38		22.14	14.46			16.81	Nov-01-10
Excess			1.13	5.88	8.40	1.13	9.20	9.77	9.36	1.06		12.70	6.09			6.62	
FIRE-TOTAL MID CAP CORE	94.0	0.95	-0.33	5.94	19.15	-0.33	25.60	40.01	19.87	-6.88	25.45	29.60	15.29	23.46	8.70	10.47	Sep-01-02
S&P 400 MIDCAP INDEX (DAILY)			-2.12	2.23	14.03	-2.12	25.18	33.50	17.88	-1.73	26.64	21.87	14.06	23.21	9.89	11.49	Sep-01-02
Excess			1.80	3.71	5.12	1.80	0.42	6.51	1.99	-5.15	-1.19	7.74	1.23	0.25	-1.18	-1.01	
Wellington Mgmt. MCC	94.0	0.95	-0.33	5.94	19.15	-0.33	25.60	40.01	19.87	-6.88		29.60	15.29			17.71	Nov-01-10
S&P 400 MIDCAP INDEX (DAILY)			-2.12	2.23	14.03	-2.12	25.18	33.50	17.88	-1.73		21.87	14.06			16.88	Nov-01-10
Excess			1.80	3.71	5.12	1.80	0.42	6.51	1.99	-5.15		7.74	1.23			0.83	
FIRE-TOTAL RUSSELL 1000	1,717.7	17.28	-2.79	2.57	23.05	-2.79	27.25	51.93	13.16	-3.66	16.43	37.55	16.32	21.28	7.89	9.10	Jul-01-03
RUSSELL 1000 (DAILY)			-3.19	2.21	13.13	-3.19	21.24	33.11	16.42	1.50	16.10	22.23	14.14	19.84	7.23	8.48	Jul-01-03



Perious chaing January 51, 2014																	
	Assets (\$MM)	% of Total	Trailing 1 Month		FYTD	CYTD	FYE 06/30/13	CYE 12/31/13	CYE 12/31/12	CYE 12/31/11	CYE 12/31/10	Trailing 1 Year	Trailing 3 Year	Trailing 5 Year	Trailing 10 Year	ITD	Inception Date
Excess	· · · · · · · · · · · · · · · · · · ·		0.40	0.37	9.92	0.40	6.01	18.82	-3.26	-5.16	0.34	15.32	2.18	1.43	0.66	0.61	
FIRE-TOTAL RUSSELL 1000 PASSIVE	1,417.3	14.26	-3.19	2.26		-3.19										6.73	Oct-01-13
RUSSELL 1000 (DAILY)			-3.19	2.21		-3.19										6.71	Oct-01-13
Excess			0.01	0.06		0.01										0.03	
NYC FIRE BLACKROCK R1000 GROWTH	723.8		-2.85	2.80		-2.85										7.40	Oct-01-13
RUSSELL 1000 GROWTH - DAILY			-2.85	2.74		-2.85										7.29	Oct-01-13
Excess			0.01	0.05		0.01										0.11	
NYC FIRE BLACKROCK R1000 VALUE	693.4		-3.54	1.71		-3.54										6.05	Oct-01-13
RUSSELL 1000 VALUE (DAILY)	000.4		-3.55	1.65		-3.55										6.10	Oct-01-13
Excess			0.01	0.06		0.01										-0.05	
FIRE-TOTAL RUSSELL 1000 ACTIVE	300.4	3.02	-0.88	4.07		-0.88						39.31	16.04	21.58		8.07	Apr-01-04
	300.4	3.02											16.81				
RUSSELL 1000 (DAILY)  Excess			-3.19 2.31	2.21 1.86		-3.19 2.31						22.23 17.08	14.14 2.67	19.84		7.36 0.71	Apr-01-04
Zevenbergen ACG	201.0	2.02	0.36	4.86	30.67	0.36	27.72	60.79	8.46	-10.01	23.04	48.68	16.12	25.78		11.63	May-01-08
RUSSELL 3000 GROWTH (DAILY)			-2.76	2.88	16.30	-2.76	17.56	34.23	15.21	2.18	17.64	24.95	14.53	21.13		8.70	May-01-08
Excess			3.12	1.99	14.37	3.12	10.16	26.56	-6.75	-12.19	5.40	23.73	1.59	4.66		2.93	
Profit Inv Mgmt - LCG	49.0	0.49	-3.29	2.57	14.74	-3.29	21.95	34.26	17.87	2.98	9.55	23.48	15.16			18.71	May-01-09
RUSSELL 1000 GROWTH - DAILY			-2.85	2.74	15.99	-2.85	17.07	33.48	15.26	2.64	16.71	24.35	14.37			19.55	May-01-09
Excess			-0.44	-0.18	-1.25	-0.44	4.88	0.78	2.61	0.34	-7.16	-0.87	0.79			-0.84	
FIRE-TOTAL RUSSELL 1000 CORE	50.5	0.51	-3.29	2.44	13.21	-3.29	25.65	35.54	15.25	-0.02	15.84	23.66	13.52			19.23	May-01-09
RUSSELL 1000 (DAILY)		0.01	-3.19	2.21	13.13	-3.19	21.24	33.11	16.42	1.50	16.10	22.23	14.14			19.17	May-01-09
Excess			-0.10	0.23	0.09	-0.10	4.41	2.43	-1.17	-1.52	-0.26	1.43	-0.62			0.06	
Seizert Capital Ptnrs - LCC	50.5	0.51	-3.29	2.44	13.21	-3.29	25.65	35.54	15.25	-0.02	15.84	23.66	13.52			19.23	May-01-09
RUSSELL 1000 (DAILY)			-3.19	2.21	13.13	-3.19	21.24	33.11	16.42	1.50	16.10	22.23	14.14			19.17	May-01-09
Excess			-0.10	0.23	0.09	-0.10	4.41	2.43	-1.17	-1.52	-0.26	1.43	-0.62			0.06	
EMERGING MANAGERS																	
FIRE-EMERGING MANAGER PROGRAM	155.5	1.56	-3.29	2.67	16.55	-3.29	25.90	40.14	17.69	-1.92	17.14	27.55	15.24	20.72	8.09	7.68	Nov-01-01
RUSSELL 2000 (DAILY)			-2.77	3.12	16.50	-2.77	24.21	38.82	16.35	-4.18	26.85	27.03	14.69	22.26	8.31	9.68	Nov-01-01
Excess			-0.52	-0.45	0.05	-0.52	1.69	1.32	1.34	2.25	-9.71	0.52	0.55	-1.54	-0.22	-2.00	
FIRE-TOTAL PIM R2000	94.3	0.95	-3.27	3.07	16.99	-3.27	25.74	40.24				27.63				28.32	Jun-01-12
RUSSELL 2000 (DAILY)	57.5	0.00	-2.77	3.12	16.50	-2.77	24.21	38.82				27.03				28.43	Jun-01-12
Excess			-0.50	-0.05	0.49	-0.50	1.54	1.42				0.60				-0.11	Jui 1-0 1-12
FIRE-TOTAL CAP PROGRESS R2000	37.0	0.37	-3.64	1.64	16.66	-3.64	25.61	41.20				28.51				29.17	Jun-01-12
FIRE-101AL CAP PROGRESS R2000	31.0	0.37	-3.04	1.04	10.00	-3.04	25.01	41.20				20.01				29.17	Juli-01-12



Periods Ending January 31, 2014																	
	Assets (\$MM)	% of Total	Trailing 1 Month	Trailing 3 Month	FYTD	CYTD	FYE 06/30/13	CYE 12/31/13	CYE 12/31/12	CYE 12/31/11	CYE 12/31/10	Trailing 1 Year	Trailing 3 Year	Trailing 5 Year	Trailing 10 Year	ITD	Inception Date
RUSSELL 2000 (DAILY)			-2.77	3.12	16.50	-2.77	24.21	38.82				27.03				28.43	Jun-01-12
Excess			-0.87	-1.48	0.16	-0.87	1.40	2.38				1.48				0.74	
FIRE-TOTAL ATTUCKS R2000	24.3	0.24	-2.85	2.67	14.69	-2.85	26.91	38.16				25.81				27.68	Jun-01-12
RUSSELL 2000 (DAILY)			-2.77	3.12	16.50	-2.77	24.21	38.82				27.03				28.43	Jun-01-12
Excess			-0.08	-0.44	-1.82	-0.08	2.71	-0.66				-1.21				-0.76	
NON - US EQUITY																	
FIRE-TOTAL INTL GROWTH	300.6	3.02	-5.38	-1.81	14.79	-5.38	17.77	24.33	21.24	-11.43	10.69	11.49	7.50	15.30		0.98	Jan-01-08
MSCI EAFE GROWTH NET (DAILY)		0.02	-4.48	-2.08	10.99	-4.48	18.67	22.55	16.86	-12.11	12.25	11.84	6.23	13.81		0.01	Jan-01-08
Excess			-0.90	0.27	3.80	-0.90	-0.90	1.78	4.38	0.69	-1.56	-0.34	1.27	1.50		0.97	
Baillie Gifford	194.9	1.96	-4.99	-0.81	19.36	-4.99	0.00	1.70	1.00	0.00	1.00	0.01	1.21	1.00		13.24	May-01-13
MSCI EAFE GROWTH NET (DAILY)			-4.48	-2.08	10.99	-4.48										5.24	May-01-13
Excess			-0.51	1.27	8.37	-0.51										8.00	
Walter Scott	105.6	1.06	-7.86	-7.18	3.31	-7.86										-3.71	May-01-13
MSCI EAFE GROWTH NET (DAILY)			-4.48	-2.08	10.99	-4.48										5.24	May-01-13
Excess			-3.37	-5.10	-7.68	-3.37										-8.94	
FIRE-TOTAL INTL VALUE	315.9	3.18	-4.29	-2.13	12.08	-4.29	17.34	22.38	17.83	-9.91	16.94	13.41	7.55	15.91		7.13	Apr-01-04
MSCI EAFE VALUE NET (DAILY)	010.0	0.10	-3.57	-1.61	15.40	-3.57	18.56	22.95	17.69	-12.17	3.25	11.97	5.45	13.83		5.99	Apr-01-04
Excess			-0.72	-0.52	-3.33	-0.72	-1.22	-0.57	0.15	2.26	13.69	1.44	2.10	2.08		1.14	740101
Causeway	121.4	1.22	-4.14	-0.77	15.48	-4.14		0.01	0.10	2.20			20	2.00		14.27	May-01-13
MSCI EAFE VALUE NET (DAILY)			-3.57	-1.61	15.40	-3.57										7.80	May-01-13
Excess			-0.57	0.83	0.08	-0.57										6.47	
Sprucegrove	194.5	1.96	-4.39	-2.96	10.05	-4.39	14.07	16.94	17.84	-9.92	18.56	8.26	5.90	15.71	7.74	9.52	Jul-01-03
MSCI EAFE VALUE NET (DAILY)			-3.57	-1.61	15.40	-3.57	18.56	22.95	17.69	-12.17	3.25	11.97	5.45	13.83	6.29	8.66	Jul-01-03
Excess			-0.82	-1.35	-5.35	-0.82	-4.49	-6.01	0.15	2.26	15.31	-3.71	0.45	1.88	1.45	0.86	
FIRE-TOTAL INTL CORE	114.3	1.15	-6.16	-3.07	8.29	-6.16	14.82	16.97	16.43	-12.38	12.62	4.58	3.27	13.71		-0.89	Jan-01-08
MSCI EAFE NET (DAILY)			-4.03	-1.84	13.19	-4.03	18.62	22.78	17.32	-12.14	7.75	11.93	5.87	13.84		-0.39	Jan-01-08
Excess			-2.14	-1.22	-4.90	-2.14	-3.81	-5.81	-0.89	-0.24	4.87	-7.35	-2.60	-0.14		-0.50	
Thornburg	114.1	1.15	-6.17	-3.07	8.37	-6.17	14.01	17.00	17.67	-12.15	15.67	5.03	4.09	13.93		0.02	Jan-01-08
MSCI EAFE NET (DAILY)			-4.03	-1.84	13.19	-4.03	18.62	22.78	17.32	-12.14	7.75	11.93	5.87	13.84		-0.39	Jan-01-08
Excess			-2.14	-1.23	-4.82	-2.14	-4.62	-5.78	0.35	-0.01	7.92	-6.90	-1.77	0.09		0.41	
FIRE-TOTAL EAFE SMALL CAP	135.2	1.36	-2.19	0.96	19.50	-2.19										13.23	May-01-13
S&P EPAC Small Cap Index			-1.38	1.33	20.09	-1.38										13.51	May-01-13
Excess			-0.81	-0.37	-0.59	-0.81										-0.29	
Acadian	70.2	0.71	-0.99	2.89	22.51	-0.99										14.91	May-01-13
S&P EPAC Small Cap Index			-1.38	1.33	20.09	-1.38										13.51	May-01-13
Excess			0.39	1.56	2.43	0.39										1.40	
Pyramis	65.0	0.65	-3.46	-1.03	16.40	-3.46										11.47	May-01-13
S&P EPAC Small Cap Index			-1.38	1.33	20.09	-1.38										13.51	May-01-13
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Periods Ending January 31, 2014																	
	Assets (\$MM)	% of Total	Trailing 1 Month	_	FYTD	CYTD	FYE 06/30/13	CYE 12/31/13	CYE 12/31/12	CYE 12/31/11		Trailing 1 Year	Trailing 3 Year	Trailing 5 Year	Trailing 10 Year	ITD	Inception Date
Excess			-2.08	-2.37	-3.68	-2.08										-2.04	
SSGA MSCI EAFE Small Cap Index	22.9	0.23															Jan-01-14
MSCI EAFE SMALL CAP NET (DAILY)																	Jan-01-14
Excess																	
FIRE-TOTAL ACTIVE EAFE EQUITY	866.1	8.72	-4.60	-1.69	13.56	-4.60	15.60	21.38	17.56	-11.50	13.48	10.68	5.98	14.98	6.90	7.11	Apr-01-91
MSCI EAFE NET (DAILY)			-4.03	-1.84	13.19	-4.03	18.62	22.78	17.32	-12.14	7.75	11.93	5.87	13.84	6.32	5.67	Apr-01-91
Excess			-0.58	0.16	0.37	-0.58	-3.02	-1.39	0.24	0.64	5.73	-1.25	0.11	1.14	0.58	1.44	
FIRE-TOTAL NON-U.S. ACTIVIST	2.7	0.03	-1.33	0.40	23.73	-1.33	27.47	33.85	22.10	-23.54	36.64	25.49	7.23			25.76	Mar-01-09
MSCI EUROPE SMID CAP			-1.79	2.68	24.98	-1.79	24.68	33.72	25.19	-17.92	15.59	24.73	9.54			23.23	Mar-01-09
Excess			0.46	-2.28	-1.26	0.46	2.79	0.14	-3.09	-5.62	21.05	0.76	-2.31			2.53	
Governance for Owners	2.7	0.03	-4.29	-2.61	20.02	-4.29	27.47	33.85	22.10	-23.54	36.64	21.73	6.15			24.99	Mar-01-09
MSCI EUROPE SMID CAP			-1.79	2.68	24.98	-1.79	24.68	33.72	25.19	-17.92	15.59	24.73	9.54			23.23	Mar-01-09
Excess			-2.50	-5.29	-4.96	-2.50	2.79	0.14	-3.09	-5.62	21.05	-3.00	-3.39			1.76	
TOTAL PASSIVE DEVELOPED	104.9	1.06	-4.00	-5.98	8.39	-4.00	18.80	17.90	17.54	-11.59	8.14	7.55	4.68	13.30	6.23	5.94	Dec-01-90
MSCI EAFE NET (DAILY)			-4.03	-1.84	13.19	-4.03	18.62	22.78	17.32	-12.14	7.75	11.93	5.87	13.84	6.32	5.99	Dec-01-90
Excess			0.03	-4.13	-4.80	0.03	0.17	-4.88	0.22	0.55	0.39	-4.39	-1.19	-0.54	-0.10	-0.05	
SSGA	82.0	0.82	-4.06	-1.80	13.20	-4.06	18.80	23.21	17.54			12.32	6.21			6.21	Feb-01-11
MSCI EAFE NET (DAILY)			-4.03	-1.84	13.19	-4.03	18.62	22.78	17.32			11.93	5.87			5.87	Feb-01-11
Excess			-0.04	0.04	0.01	-0.04	0.17	0.43	0.22			0.39	0.34			0.34	
FIRE-TOTAL EAFE ENVIRONMENTAL ACTIVIST	973.7	9.80	-4.54	-1.92	13.46	-4.54	16.12	21.60	17.57	-11.82	12.76	10.88	5.87	14.75		6.63	Apr-01-04
MSCI EAFE NET (DAILY)			-4.03	-1.84	13.19	-4.03	18.62	22.78	17.32	-12.14	7.75	11.93	5.87	13.84		6.12	Apr-01-04
Excess			-0.51	-0.07	0.27	-0.51	-2.50	-1.18	0.26	0.32	5.01	-1.05	0.00	0.91		0.51	
EMERGING MARKETS																	
FIRE-TOTAL INTL EMERGING EQUITY	599.0	6.03	-5.51	-6.60	3.28	-5.51	3.84	0.68	16.79	-18.34	19.49	-6.52	-2.40	16.35	10.89	7.34	Sep-01-96
MSCI EMERGING MARKETS			-6.49	-9.19	0.71	-6.49	2.87	-2.60	18.22	-18.42	18.88	-10.17	-3.35	14.78	10.05		Sep-01-96
Excess			0.98	2.60	2.57	0.98	0.97	3.28	-1.44	0.08	0.61	3.65	0.95	1.56	0.85		
FIRE-TOTAL ACTIVE EMERGING MARKETS	430.3	4.33	-5.12	-5.59	4.17	-5.12	4.13	1.87	16.13	-18.38	19.49	-5.15	-2.08	16.58		10.61	Apr-01-04
MSCI EMERGING MARKETS			-6.49	-9.19	0.71	-6.49	2.87	-2.60	18.22	-18.42	18.88	-10.17	-3.35	14.78		9.58	Apr-01-04
Excess			1.38	3.60	3.46	1.38	1.26	4.47	-2.09	0.05	0.61	5.01	1.27	1.79		1.03	
Ballie Gifford	159.8	1.61	-4.47	-1.41	7.78	-4.47	2.41	5.59	14.27	-19.78	19.87	-0.26	-1.48	18.81		10.28	Nov-01-05
MSCI EMERGING MARKETS			-6.49	-9.19	0.71	-6.49	2.87	-2.60	18.22	-18.42	18.88	-10.17	-3.35	14.78		7.65	Nov-01-05
Excess			2.02	7.78	7.06	2.02	-0.46	8.19	-3.95	-1.36	1.00	9.91	1.87	4.03		2.62	
ACADIAN	104.1	1.05	-4.66	-7.11	1.98	-4.66	7.68	0.05	20.04	-16.65	23.72	-6.97	-1.44	18.19		8.77	Nov-01-05
MSCI EMERGING MARKETS			-6.49	-9.19	0.71	-6.49	2.87	-2.60	18.22	-18.42	18.88	-10.17	-3.35	14.78		7.65	Nov-01-05
Excess			1.84	2.08	1.27	1.84	4.82	2.65	1.81	1.78	4.84	3.20	1.91	3.41		1.12	
EATON VANCE EM	91.2	0.92	-5.49	-7.07	2.97	-5.49	4.71	1.09				-6.66				7.58	Jun-01-12



Periods Ending January 31, 2014		0/ . f		<b>-</b>			E\/E	0)/5	01/5	01/5	01/5				T		
	Assets (\$MM)	% of Total	Trailing 1 Month	3 Month	FYTD	CYTD	FYE 06/30/13	CYE 12/31/13	CYE 12/31/12	CYE 12/31/11	CYE 12/31/10	1 Year	Trailing 3 Year	Trailing 5 Year	10 Year	ITD	Inception Date
MSCI EMERGING MARKETS			-6.49	-9.19	0.71	-6.49	2.87	-2.60				-10.17				4.48	Jun-01-12
Excess			1.00	2.12	2.26	1.00	1.84	3.70				3.50				3.11	
DFA	75.2	0.76	-6.64	-9.92	1.42	-6.64	2.34	-2.75				-11.30				4.34	Jun-01-12
MSCI EMERGING MARKETS			-6.49	-9.19	0.71	-6.49	2.87	-2.60				-10.17				4.48	Jun-01-12
Excess			-0.14	-0.73	0.71	-0.14	-0.53	-0.15				-1.14				-0.14	
FIRE-TOTAL PASSIVE EMERGING MARKETS	168.7	1.70	-6.50	-9.07	1.07	-6.50	3.21	-1.97	18.27			-9.65				-5.12	Apr-01-11
MSCI EMERGING MARKETS			-6.49	-9.19	0.71	-6.49	2.87	-2.60	18.22			-10.17				-5.15	Apr-01-11
Excess			-0.01	0.12	0.36	-0.01	0.34	0.63	0.04			0.51				0.03	
CONY GT FIRE Blackrock-MSCI EM MK	168.7	1.70	-6.50	-9.07	1.07	-6.50	3.21	-1.97	18.27			-9.65				-5.12	Apr-01-11
MSCI EMERGING MARKETS			-6.49	-9.19	0.71	-6.49	2.87	-2.60	18.22			-10.17				-5.15	Apr-01-11
Excess			-0.01	0.12	0.36	-0.01	0.34	0.63	0.04			0.51				0.03	
FIRE-TOTAL INTL EQUITY	1,572.7	15.83	-4.91	-3.84	9.26	-4.91	10.93	12.64	17.14	-14.05	14.46	3.50	2.47	14.12	7.18	7.03	Jul-01-91
MSCI AC WORLD ex US (NET)			-4.54	-3.54	10.10	-4.54	13.63	15.29	16.83	-13.71	11.15	5.75	3.19	13.86	6.90		Jul-01-91
Excess			-0.37	-0.30	-0.84	-0.37	-2.70	-2.65	0.31	-0.34	3.31	-2.24	-0.72	0.26	0.28		
HEDGE FUNDS																	
FIRE-TOTAL HEDGE FUNDS	328.2	3.30	0.74	3.69	4.07	0.74	8.58	5.09	7.85			4.60				4.03	Jul-01-11
1 Year Treasury Bill Yield + 4%			0.37	1.07	2.54	0.37	4.32	4.30	4.24			4.32				4.30	Jul-01-11
Excess			0.38	2.62	1.53	0.38	4.26	0.79	3.61			0.27				-0.27	
HFRI Fund of Funds Composite + 1%			-0.41	1.91	5.26	-0.41	8.33	9.81	5.82	-4.78	6.75	6.99	3.21	5.61	4.17		Jan-01-90
FIRE-TOTAL DIRECT HEDGE FUNDS	273.0	2.75	-0.64	2.21	2.53	-0.64	8.16	4.21	8.64			2.59				5.58	Dec-01-11
1 Year Treasury Bill Yield + 4%			0.37	1.07	2.54	0.37	4.32	4.30	4.24			4.32				4.27	Dec-01-11
Excess			-1.00	1.14	0.00	-1.00	3.84	-0.09	4.40			-1.73				1.31	
BLUE TREND FD	19.4	0.19	-3.95	-6.67	-5.11	-3.95	-6.09	-11.22				-17.87				-7.00	Jul-01-12
BREVAN HOWARD LP	20.4	0.21	-1.30	-0.25	-2.04	-1.30	11.44	2.81	3.68			1.47				2.46	Jan-01-12
BREVAN HOWARD OPP	20.6	0.21	-1.15	0.60		-1.15										-1.06	Jul-09-13
BRIGADE LEV CAP STR FD	24.4	0.25	-0.07	1.57	4.13	-0.07	4.96	6.05				4.92				5.53	Mar-01-12
CARLSON BLK DIA FD	28.8	0.29	1.55	6.57	6.57	1.55										6.57	Jul-01-13
CASPIAN SELECT CF	22.1	0.22	1.33	4.42	6.21	1.33	10.98	11.44				11.09				10.26	May-01-12
CCP QUANT FD	14.7	0.15	-6.87	-10.27	-16.72	-6.87						-33.28				-33.28	Feb-01-13
D.E. SHAW COMPOSITE FD	52.8	0.53	1.19	4.25	5.17	1.19	22.19	13.89	16.98			15.25				15.41	Jan-01-12
FIR TREE VAL FD	28.9	0.29	-2.19	2.62	6.69	-2.19						11.99				11.99	Feb-01-13
PERRY CAPITAL LP	23.1	0.23	-1.58	4.58	7.86	-1.58										4.83	Jun-01-13
PHARO MACRO FD	17.9	0.18	1.79	11.87	11.87	1.79										11.87	Jul-01-13
FIRE-TOTAL PERMAL HEDGE FUNDS OF FUNDS	55.2	0.56	7.79	11.24	11.90	7.79	10.31	8.38	5.73			14.47				7.24	Jul-01-11
HFRI Fund of Funds Composite Index + 1%			-0.41	1.91	5.26	-0.41	8.33	9.81	5.82			6.99				3.75	Jul-01-11
Excess			8.20	9.32	6.63	8.20	1.99	-1.43	-0.10			7.48				3.49	



Terrous Enumg Junuary 31, 2014	Assets (\$MM)	% of Total		Trailing 3 Month	FYTD	CYTD	FYE 06/30/13	CYE 12/31/13	CYE 12/31/12	CYE 12/31/11	CYE 12/31/10	Trailing 1 Year	Trailing 3 Year	Trailing 5 Year	Trailing 10 Year	ITD	Inception Date
REITS																	
FIRE-TOTAL REAL ESTATE SECURITIES	328.8	3.31	1.93	-0.91	1.27	1.93	8.71	2.72	20.17	8.14	32.08	1.95	9.61	23.54	9.55	12.17	Jan-01-03
DJ US SELECT REAL ESTATE SECURITIES INDEX			4.00	-1.17	-0.30	4.00	7.67	1.31	17.09	8.87	28.47	1.90	9.08	22.15	8.27	10.90	Jan-01-03
Excess			-2.07	0.26	1.58	-2.07	1.04	1.41	3.08	-0.73	3.61	0.06	0.54	1.39	1.28	1.27	
MS REIT	161.9	1.63	2.85	-0.28	0.24	2.85	7.85	2.28	18.03	6.80	33.22	2.15	8.72	23.68		9.77	Apr-01-04
DJ US SELECT REAL ESTATE SECURITIES INDEX			4.00	-1.17	-0.30	4.00	7.67	1.31	17.09	8.87	28.47	1.90	9.08	22.15		7.56	Apr-01-04
Excess			-1.15	0.88	0.54	-1.15	0.18	0.97	0.94	-2.07	4.75	0.25	-0.36	1.53		2.21	
Adelante (Lend Lease Rosen) (REIT)	59.8	0.60	4.20	0.67	2.20	4.20	7.19	3.52	17.13	10.19	30.65	5.00	10.39	23.20	8.58	11.13	Jan-01-03
DJ US SELECT REAL ESTATE SECURITIES INDEX			4.00	-1.17	-0.30	4.00	7.67	1.31	17.09	8.87	28.47	1.90	9.08	22.15	8.27	10.90	Jan-01-03
Excess			0.20	1.84	2.50	0.20	-0.48	2.21	0.05	1.31	2.18	3.10	1.31	1.04	0.30	0.24	
European	107.1	1.08	-0.62	-2.68	2.36	-0.62	12.11	2.95				0.05				8.57	Mar-01-12
FTSE EPRA/NAREIT Developed TR			-0.25	-3.49	1.68	-0.25	14.27	4.39				0.94				9.98	Mar-01-12
Excess			-0.36	0.80	0.67	-0.36	-2.16	-1.44				-0.89				-1.42	
FIXED INCOME																	
FIRE-TOTAL STRUCTURED	1,655.9	16.66	1.83	0.87	2.81	1.83	0.32	-1.86	6.85	8.91	8.54	0.62	5.09	6.81	5.49	8.30	Jan-01-85
NYC - Core Plus Five			1.68	0.46	2.13	1.68	-0.95	-2.79	5.41	9.40	7.13	-0.19	4.45	5.55	5.19		Jan-01-85
Excess			0.15	0.42	0.69	0.15	1.27	0.93	1.44	-0.50	1.41	0.81	0.64	1.26	0.29		
FIRE-TOTAL MORTGAGE	658.1	6.62	1.73	0.61	2.35	1.73	-0.15	-1.23	4.37	6.26	7.64	0.75	3.54	5.38	5.03	7.15	Mar-01-87
CITIGROUP MORTGAGE INDEX			1.66	0.45	2.17	1.66	-1.15	-1.52	2.60	6.38	5.50	0.61	2.93	4.01	4.76	6.79	Mar-01-87
Excess			0.08	0.16	0.18	0.08	0.99	0.28	1.78	-0.12	2.14	0.14	0.62	1.37	0.27	0.36	
PIMCO - Mortgage	230.5	2.32	1.65	0.67	2.22	1.65	-0.31	-1.38	4.05	6.36	8.00	0.53	3.33	5.45	5.22	7.29	Mar-01-87
CITIGROUP MORTGAGE INDEX			1.66	0.45	2.17	1.66	-1.15	-1.52	2.60	6.38	5.50	0.61	2.93	4.01	4.76	6.79	Mar-01-87
Excess			0.00	0.22	0.05	0.00	0.84	0.14	1.46	-0.01	2.50	-0.08	0.40	1.44	0.46	0.50	
Blackrock - Mortgage	226.2	2.28	1.89	0.65	2.59	1.89	0.56	-0.83	5.65	5.95	8.43	1.15	4.10	6.24	5.31	5.60	Apr-01-01
CITIGROUP MORTGAGE INDEX			1.66	0.45	2.17	1.66	-1.15	-1.52	2.60	6.38	5.50	0.61	2.93	4.01	4.76	5.09	Apr-01-01
Excess			0.23	0.20	0.41	0.23	1.71	0.69	3.05	-0.43	2.94	0.54	1.17	2.23	0.55	0.51	
Neuberger Berman - Mortgage	112.5	1.13	1.70	0.44	2.27	1.70	-0.90	-1.47	2.88	6.36		0.57	2.97			3.69	Feb-01-10
CITIGROUP MORTGAGE INDEX			1.66	0.45	2.17	1.66	-1.15	-1.52	2.60	6.38		0.61	2.93			3.27	Feb-01-10
Excess			0.04	-0.01	0.09	0.04	0.25	0.04	0.29	-0.01		-0.04	0.04			0.42	
Goldman Sachs - Mortgage	89.0	0.90	1.58	0.52	2.14	1.58	-0.62	-1.61	3.78	6.67	5.80	0.50	3.39			4.01	Aug-01-09
CITIGROUP MORTGAGE INDEX			1.66	0.45	2.17	1.66	-1.15	-1.52	2.60	6.38	5.50	0.61	2.93			3.68	Aug-01-09
Excess			-0.08	0.07	-0.03	-0.08	0.52	-0.09	1.18	0.30	0.30	-0.11	0.46			0.33	
FIRE-TOTAL INVESTMENT GRADE CREDIT	785.3	7.90	1.57	1.25	3.87	1.57	2.33	-0.78	10.56	8.04	9.38	1.42	6.26	9.62	5.41	7.52	Jan-01-87
NYC - Investment Grade Credit			1.32	0.81	3.03	1.32	1.19	-1.85	9.52	7.79	8.36	0.36	5.42	8.03	5.14		Jan-01-87
Excess			0.25	0.44	0.84	0.25	1.14	1.08	1.04	0.24	1.02	1.06	0.84	1.59	0.27		
Taplin Canida Habacht - Credit	239.1	2.41	1.53	1.45	3.69	1.53	3.17	-0.85	11.18	8.21	9.21	1.05	6.48	9.88	5.24	6.50	Jan-01-99
NYC - Investment Grade Credit			1.32	0.81	3.03	1.32	1.19	-1.85	9.52	7.79	8.36	0.36	5.42	8.03	5.14	5.81	Jan-01-99



Periods Ending January 31, 2014																	
	Assets (\$MM)	% of Total	Trailing 1 Month	Trailing 3 Month	FYTD	CYTD	FYE 06/30/13	CYE 12/31/13	CYE 12/31/12	CYE 12/31/11	CYE 12/31/10	Trailing 1 Year	Trailing 3 Year	Trailing 5 Year	Trailing 10 Year	ITD	Inception Date
Excess			0.21	0.63	0.66	0.21	1.98	1.00	1.65	0.41	0.84	0.69	1.06	1.85	0.09	0.69	
T Rowe Price - Credit	222.8	2.24	1.84	1.47	4.67	1.84	2.31	-0.44	11.13	8.08	10.29	2.20	6.61	10.05	6.06	7.66	Jan-01-87
NYC - Investment Grade Credit			1.32	0.81	3.03	1.32	1.19	-1.85	9.52	7.79	8.36	0.36	5.42	8.03	5.14		Jan-01-87
Excess			0.52	0.65	1.65	0.52	1.12	1.41	1.61	0.28	1.92	1.84	1.19	2.02	0.92		
Blackrock - Credit	142.7	1.44	1.58	1.17	3.74	1.58	1.78	-1.02	10.18	7.59	8.97	1.27	5.94			6.81	Aug-01-09
NYC - Investment Grade Credit			1.32	0.81	3.03	1.32	1.19	-1.85	9.52	7.79	8.36	0.36	5.42			6.53	Aug-01-09
Excess			0.26	0.36	0.72	0.26	0.59	0.83	0.65	-0.20	0.61	0.92	0.53			0.28	
Prudential - Credit	140.5	1.41	1.65	1.30	3.75	1.65	1.33	-1.18	9.34	8.12	8.61	1.29	5.84			6.91	Aug-01-09
NYC - Investment Grade Credit			1.32	0.81	3.03	1.32	1.19	-1.85	9.52	7.79	8.36	0.36	5.42			6.53	Aug-01-09
Excess			0.33	0.49	0.72	0.33	0.13	0.67	-0.19	0.33	0.25	0.93	0.42			0.38	
Prudential-Privest - Credit	40.1	0.40	0.00	-0.99	1.41	0.00		0.00				0.34				0.23	Sep-01-12
NYC - Investment Grade Credit			1.32	0.81	3.03	1.32		-1.85				0.36				0.84	Sep-01-12
Excess			-1.32	-1.81	-1.62	-1.32		1.85				-0.02				-0.61	
FIRE-TOTAL GOVERNMENT	212.4	2.14	3.15	0.30	0.57	3.15	-4.38	-7.40	4.07	18.42	9.45	-2.56	5.75	5.13	5.78	7.73	Jan-01-87
NYC - Treasury Agency Plus Five			2.94	-0.06	0.31	2.94	-4.52	-7.48	3.84	18.44	9.24	-2.80	5.60	4.64	5.67		Jan-01-87
Excess			0.21	0.36	0.26	0.21	0.14	0.08	0.23	-0.02	0.21	0.25	0.15	0.49	0.12		
PIMCO - Gov't	98.2	0.99	3.28	0.33	0.59	3.28	-4.06	-7.27	4.30	18.37	9.96	-2.36	5.91	5.49	5.94	7.06	Aug-01-00
NYC - Treasury Agency Plus Five			2.94	-0.06	0.31	2.94	-4.52	-7.48	3.84	18.44	9.24	-2.80	5.60	4.64	5.67	6.73	Aug-01-00
Excess			0.34	0.38	0.28	0.34	0.46	0.21	0.46	-0.07	0.72	0.45	0.31	0.85	0.27	0.33	
Fischer Francis - Govt	57.7	0.58	3.00	0.18	0.35	3.00	-4.55	-7.52	3.77	18.59	9.12	-2.81	5.59	5.04	5.86	7.78	Feb-01-87
NYC - Treasury Agency Plus Five			2.94	-0.06	0.31	2.94	-4.52	-7.48	3.84	18.44	9.24	-2.80	5.60	4.64	5.67		Feb-01-87
Excess			0.06	0.24	0.04	0.06	-0.04	-0.05	-0.08	0.15	-0.12	-0.01	-0.01	0.40	0.19		
State Street - Gov't	56.5	0.57	3.07	0.37	0.76	3.07	-4.76	-7.48	3.98	18.33	8.89	-2.64	5.65			5.59	Aug-01-09
NYC - Treasury Agency Plus Five			2.94	-0.06	0.31	2.94	-4.52	-7.48	3.84	18.44	9.24	-2.80	5.60			5.57	Aug-01-09
Excess			0.13	0.43	0.45	0.13	-0.24	-0.01	0.14	-0.12	-0.35	0.16	0.05			0.02	
PROGRESS FIXED																	
FIRE-TOTAL PROGRESS FIXED	26.8	0.27	1.56	0.83	2.30	1.56	0.00	-1.58				0.52				3.42	Mar-01-12
Barclays Aggregate (Daily)			1.48	0.53	1.91	1.48	-0.69	-2.02				0.12				1.41	Mar-01-12
Excess			0.08	0.30	0.38	0.08	0.69	0.45				0.40				2.00	
PIM - AMBASSADOR	6.6	0.07	1.90	0.87	1.85	1.90	-0.21	-2.03				0.39				1.09	Mar-01-12
Barclays Aggregate (Daily)			1.48	0.53	1.91	1.48	-0.69	-2.02				0.12				1.41	Mar-01-12
Excess			0.42	0.35	-0.07	0.42	0.48	-0.01				0.27				-0.32	
PIM - GIA	5.5	0.06	1.06	0.83	3.09	1.06	1.07	-0.21				1.18				2.79	Mar-01-12
Barclays Aggregate (Daily)			1.48	0.53	1.91	1.48	-0.69	-2.02				0.12				1.41	Mar-01-12
Excess			-0.42	0.31	1.18	-0.42	1.75	1.81				1.05				1.37	
PIM - Hillswick	2.6	0.03	1.89	0.53	1.44	1.89	-1.66	-3.60				-0.75				0.79	Mar-01-12
Barclays Aggregate (Daily)	-		1.48	0.53	1.91	1.48	-0.69	-2.02				0.12				1.41	Mar-01-12
Excess			0.42	0.00	-0.47	0.42	-0.98	-1.57				-0.88				-0.62	
PIM - NEW CENTURY	6.7	0.07	1.54	0.91	2.37	1.54	0.23	-1.35				0.73				1.85	Mar-01-12
Barclays Aggregate (Daily)		-	1.48	0.53	1.91	1.48	-0.69	-2.02				0.12				1.41	Mar-01-12
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Periods Ending January 31, 2014																	
	Assets (\$MM)	% of Total	Trailing 1 Month	Trailing 3 Month	FYTD	CYTD	FYE 06/30/13	CYE 12/31/13	CYE 12/31/12	CYE 12/31/11	CYE 12/31/10	Trailing 1 Year	Trailing 3 Year	Trailing 5 Year	Trailing 10 Year	ITD	Inception Date
Excess			0.06	0.39	0.46	0.06	0.92	0.67				0.60				0.43	
PIM - PUGH CAP	5.3	0.05	1.52	0.82	2.37	1.52	-0.24	-1.68				0.39				1.43	Mar-01-12
Barclays Aggregate (Daily)			1.48	0.53	1.91	1.48	-0.69	-2.02				0.12				1.41	Mar-01-12
Excess			0.04	0.29	0.46	0.04	0.45	0.35				0.26				0.02	
HIGH YIELD																	
FIRE-TOTAL ENHANCED YIELD	393.3	3.96	0.83	1.89	6.95	0.83	8.30	7.15	13.50	5.89	14.08	6.66	8.34	14.67	7.98	8.93	Dec-01-94
CITIGROUP BB & B			0.68	1.47	6.04	0.68	8.11	6.17	14.45	6.58	13.35	5.84	8.49	14.23	6.98	7.57	Dec-01-94
Excess			0.15	0.42	0.91	0.15	0.19	0.98	-0.95	-0.69	0.73	0.82	-0.15	0.44	0.99	1.35	
Loomis Sayles	107.6	1.08	1.07	2.23	7.71	1.07		8.24				7.62				9.85	Sep-01-12
NYC-Loomis (BoA MLMSTII 7-03/BB&B PRIOR)			0.74	1.76	6.61	0.74		7.42				6.74				9.16	Sep-01-12
Excess			0.33	0.47	1.10	0.33		0.82				0.88				0.69	
Penn Capital Mgt	110.8	1.11	0.64	1.88	6.78	0.64		6.21				5.89				7.97	Sep-01-12
CITIGROUP BB & B			0.68	1.47	6.04	0.68		6.17				5.84				7.87	Sep-01-12
Excess			-0.04	0.41	0.74	-0.04		0.04				0.05				0.10	
T. Rowe	174.8	1.76	0.81	1.60	6.49	0.81	8.78	7.00	13.75	5.05	14.24	6.47	8.08	14.96		8.19	Apr-01-04
CITIGROUP BB & B			0.68	1.47	6.04	0.68	8.11	6.17	14.45	6.58	13.35	5.84	8.49	14.23		7.04	Apr-01-04
Excess			0.13	0.13	0.45	0.13	0.67	0.83	-0.70	-1.53	0.89	0.63	-0.41	0.73		1.15	
BANK LOANS																	
FIRE-TOTAL BANK LOANS	172.9	1.74	0.75	2.11	4.92	0.75		7.00				6.59				7.17	Sep-01-12
CSFB LEVERAGED LOAN INDEX			0.71	1.73	3.98	0.71		6.15				5.72				6.53	Sep-01-12
Excess			0.05	0.39	0.95	0.05		0.85				0.87				0.64	
Babson BL	86.2	0.87	0.69	1.97	4.41	0.69		6.33				5.86				6.69	Dec-01-12
CSFB LEVERAGED LOAN INDEX			0.71	1.73	3.98	0.71		6.15				5.72				6.53	Dec-01-12
Excess			-0.01	0.24	0.43	-0.01		0.18				0.13				0.15	
Guggenheim BL	86.6	0.87	0.81	2.25	5.44	0.81										6.94	Mar-01-13
CSFB LEVERAGED LOAN INDEX			0.71	1.73	3.98	0.71										5.31	Mar-01-13
Excess			0.11	0.53	1.47	0.11										1.63	
TIPS																	
FIRE-TOTAL TIPS MANAGERS	294.3	2.96	2.02	-0.48	0.86	2.02	-4.56	-8.32	6.99	13.59	6.42	-5.83	4.36	5.84		4.78	Jun-01-05
Barclays Global Inflation Linked: US TIPS (Daily)			1.98	-0.61	0.64	1.98	-4.78	-8.61	6.98	13.56	6.31	-6.17	4.16	5.69		4.59	Jun-01-05
Excess			0.04	0.13	0.23	0.04	0.22	0.28	0.01	0.03	0.11	0.34	0.20	0.15		0.19	
Blackrock TIPS	110.9	1.12	1.97	-0.45	0.82	1.97	-4.63	-8.18	6.42	13.82	6.34	-5.64	4.31	5.78		4.85	Jun-01-05
Barclays Global Inflation Linked: US TIPS (Daily)			1.98	-0.61	0.64	1.98	-4.78	-8.61	6.98	13.56	6.31	-6.17	4.16	5.69		4.59	Jun-01-05
Excess			-0.01	0.16	0.18	-0.01	0.14	0.42	-0.56	0.26	0.03	0.53	0.16	0.09		0.25	
PIMCO TIPS	110.1	1.11	2.08	-0.54	0.93	2.08	-4.30	-8.35	7.67	13.34	6.57	-5.91	4.51	5.99		4.80	Jun-01-05



Periods Ending January 31, 2014																	
	Assets (\$MM)	% of Total	Trailing 1 Month	Trailing 3 Month	FYTD	CYTD	FYE 06/30/13	CYE 12/31/13	CYE 12/31/12	CYE 12/31/11	CYE 12/31/10	Trailing 1 Year	Trailing 3 Year	Trailing 5 Year	Trailing 10 Year	ITD	Inception Date
Barclays Global Inflation Linked: US TIPS (Daily)			1.98	-0.61	0.64	1.98	-4.78	-8.61	6.98	13.56	6.31	-6.17	4.16	5.69		4.59	Jun-01-05
Excess			0.10	0.07	0.29	0.10	0.47	0.26	0.69	-0.22	0.26	0.25	0.35	0.30		0.21	
State Street TIPS Passive	73.3	0.74	1.99	-0.43	0.83	1.99	-4.83	-8.50	6.87	13.61	6.34	-5.99	4.22	5.71		4.91	Aug-01-05
Barclays Global Inflation Linked: US TIPS (Daily)			1.98	-0.61	0.64	1.98	-4.78	-8.61	6.98	13.56	6.31	-6.17	4.16	5.69		4.89	Aug-01-05
Excess			0.02	0.18	0.19	0.02	-0.05	0.11	-0.11	0.05	0.03	0.17	0.06	0.02		0.02	
CONVERTIBLE BONDS																	
FIRE-TOTAL CONVERTIBLE BONDS	50.6	0.51	0.27	1.77	6.96	0.27	13.39	13.75	12.20	-3.87	15.93	10.23	6.44	13.90		7.32	Jul-01-08
Fire Custom Convertible Bond Index			1.42	2.24	6.34	1.42	12.29	10.33	12.21	-1.73	12.98	8.45	6.58	14.99		7.79	Jul-01-08
Excess			-1.15	-0.48	0.63	-1.15	1.10	3.42	-0.01	-2.14	2.95	1.78	-0.14	-1.09		-0.47	
Advent Conv Bonds	50.6	0.51	0.27	1.77	6.96	0.27	12.59	13.66	11.70	-2.14	14.85	10.62	7.01	13.81		8.50	Jul-01-08
BofA ML U.S. Covertible - Yield Alternatives			1.42	2.24	6.33	1.42	12.29	10.33	12.21	-1.73	12.98	8.45	6.58	14.99		7.79	Jul-01-08
Excess			-1.15	-0.48	0.63	-1.15	0.31	3.33	-0.51	-0.42	1.87	2.17	0.43	-1.18		0.71	
OPPORTUNISTIC FIXED																	
FIRE-TOTAL OPPORTUNISTIC FIXED	210.1	2.11	0.72	3.43	7.67	0.72	15.26	17.25	16.32	-2.69	23.60	15.52	9.23	16.70		10.76	Nov-01-07
10% Annual Return			0.80	2.41	5.72	0.80	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00		10.00	Nov-01-07
Excess			-0.08	1.02	1.95	-0.08	5.26	7.25	6.32	-12.69	13.60	5.52	-0.77	6.70		0.76	
FIRE-TOTAL FUND STRATEGIES	47.8	0.48	-0.42	0.91	3.37	-0.42	12.52	13.24	17.99	-1.94	12.79	12.00	9.12	10.57			Nov-01-07
10% Annual Return			0.80	2.41	5.72	0.80	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00			Nov-01-07
Excess			-1.22	-1.50	-2.35	-1.22	2.52	3.24	7.99	-11.94	2.79	2.00	-0.88	0.57			
Avenue Europe Special Sit. Fund, L.P.	0.3	0.00															Nov-01-08
10% Annual Return																	Nov-01-08
Excess																	
Avenue Special Situations Fund V, L.P.	0.1	0.00															Nov-01-07
10% Annual Return																	Nov-01-07
Excess																	
Avenue Special Situations Fund VI L.P.	16.4	0.17	0.00	0.00	0.98	0.00	14.68	10.22	19.30			10.22				3.15	Aug-01-11
10% Annual Return			0.80	2.41	5.72	0.80	10.00	10.00	10.00			10.00				9.99	Aug-01-11
Excess			-0.80	-2.41	-4.73	-0.80	4.68	0.22	9.30			0.22				-6.84	
Fortress Ctr St Ptnrs	12.7	0.13	0.00	0.58	4.08	0.00	16.19	20.10				20.10				11.43	May-01-12
10% Annual Return			0.80	2.41	5.72	0.80	10.00	10.00				10.00				9.96	May-01-12
Excess			-0.80	-1.83	-1.63	-0.80	6.19	10.10				10.10				1.47	
Oaktree Opp Fd IX	12.5	0.13	4.30	5.68	5.68	4.30										4.24	Apr-01-13
10% Annual Return			0.80	2.41	5.72	0.80										8.27	Apr-01-13
Excess			3.50	3.27	-0.03	3.50										-4.03	
Torchlight Debt Oppy Fund III, LLC	5.7	0.06	-5.81	1.00	4.21	-5.81	15.10	20.11	17.29	-0.31	13.27	11.34	10.04			14.69	Jul-01-09
10% Annual Return			0.80	2.41	5.72	0.80	10.00	10.00	10.00	10.00	10.00	10.00	10.00			9.99	Jul-01-09
Excess			-6.61	-1.41	-1.51	-6.61	5.10	10.11	7.29	-10.31	3.27	1.34	0.04			4.71	



Periods Ending January 31, 2014																	
	Assets (\$MM)	% of Total	Trailing 1 Month	Trailing 3 Month	FYTD	CYTD	FYE 06/30/13	CYE 12/31/13	CYE 12/31/12	CYE 12/31/11	CYE 12/31/10	Trailing 1 Year	Trailing 3 Year	Trailing 5 Year	Trailing 10 Year	ITD	Inception Date
FIRE-TOTAL STRATEGIC MANDATES	162.2	1.63	1.09	4.12	8.94	1.09	16.97	18.47	17.24			16.52				17.68	Jan-01-12
10% Annual Return			0.80	2.41	5.72	0.80	10.00	10.00	10.00			10.00				9.99	Jan-01-12
Excess			0.29	1.71	3.22	0.29	6.97	8.47	7.24			6.52				7.69	
Angelo Gordon Ct St Ptnrs	28.9	0.29	1.35	5.93	10.03	1.35		26.25				17.78				17.86	Aug-01-12
10% Annual Return			0.80	2.41	5.72	0.80		10.00				10.00				9.97	Aug-01-12
Excess			0.56	3.52	4.31	0.56		16.25				7.78				7.89	
Apollo Centre Street Partnership, L.P	20.1	0.20	1.09	5.06	9.04	1.09	9.76	18.39				16.63				10.78	May-01-12
10% Annual Return			0.80	2.41	5.72	0.80	10.00	10.00				10.00				9.96	May-01-12
Excess			0.29	2.65	3.32	0.29	-0.24	8.39				6.63				0.82	
Contrarian Partnership, L.P	6.2	0.06	0.62	3.62	3.62	0.62											Apr-01-13
10% Annual Return			0.80	2.41	5.72	0.80											Apr-01-13
Excess			-0.17	1.21	-2.10	-0.17											
Golden Tree OD	31.9	0.32	1.17	2.44	6.80	1.17	13.03	9.92	15.67			9.69				12.83	Jan-01-12
10% Annual Return			0.80	2.41	5.72	0.80	10.00	10.00	10.00			10.00				9.99	Jan-01-12
Excess			0.37	0.03	1.08	0.37	3.03	-0.08	5.67			-0.31				2.84	
FIRE-MARATHON-OD-FI	44.8	0.46					25.15		25.44								
10% Annual Return			0.80	2.41	5.72	0.80	10.00	10.00	10.00			10.00	10.00	10.00	10.00	9.99	
Excess							15.15		15.44								
Oak Hill Ctr St Ptnrs	30.3	0.30	0.93	2.45	9.99	0.93		17.05				14.69				12.28	Oct-01-12
10% Annual Return			0.80	2.41	5.72	0.80		10.00				10.00				9.97	Oct-01-12
Excess			0.13	0.04	4.27	0.13		7.05				4.69				2.31	
CORE PLUS FIXED INCOME																	
FIRE-TOTAL CORE PLUS FIX INC	10.7	0.11	1.27	0.72	2.50	1.27	0.57	-1.20	6.22	8.18	7.57	0.55	4.49			6.39	May-01-09
Barclays Aggregate (Daily)			1.48	0.53	1.91	1.48	-0.69	-2.02	4.21	7.84	6.54	0.12	3.73			4.87	May-01-09
Excess			-0.21	0.19	0.58	-0.21	1.25	0.82	2.01	0.34	1.03	0.42	0.76			1.52	
LM Capital	10.7	0.11	1.27	0.72	2.50	1.27	0.57	-1.20	6.22	8.18	7.57	0.55	4.49			6.39	May-01-09
Barclays Aggregate (Daily)			1.48	0.53	1.91	1.48	-0.69	-2.02	4.21	7.84	6.54	0.12	3.73			4.87	May-01-09
Excess			-0.21	0.19	0.58	-0.21	1.25	0.82	2.01	0.34	1.03	0.42	0.76			1.52	
OTHER FIXED INCOME																	
FIRE-TOTAL TARGETED	60.2	0.61	1.58	0.65	1.93	1.58	-0.45	-1.76	4.34	7.20	5.88	0.26	3.64	4.74	4.70	8.65	Nov-01-81
Fire Custom Benchmark (No Cash)			1.44	0.47	1.88	1.44	-0.61	-1.74	3.79	7.17	6.10	0.29	3.45	4.49	4.49		Nov-01-81
Excess			0.13	0.18	0.05	0.13	0.15	-0.01	0.55	0.03	-0.22	-0.03	0.19	0.25	0.21		
AFL-CIO Hsg Inv Trust	40.5	0.41	1.50	0.60	1.75	1.50	-1.06	-2.37	4.27	7.86	6.16	-0.34	3.58	4.71	4.60	4.62	Oct-01-02
Barclays Aggregate (Daily)			1.48	0.53	1.91	1.48	-0.69	-2.02	4.21	7.84	6.54	0.12	3.73	4.93	4.62	4.65	Oct-01-02
Excess			0.02	0.08	-0.16	0.02	-0.37	-0.35	0.06	0.02	-0.39	-0.46	-0.15	-0.23	-0.02	-0.03	
Access RBC	15.2	0.15	1.69	0.16	1.64	1.69	-0.31	-2.04	4.43	6.99	5.72	0.10	3.59	5.27		5.67	Mar-01-07



Perious chaing January 51, 2014																	
	Assets (\$MM)	% of Total	Trailing 1 Month		FYTD	CYTD	FYE 06/30/13	CYE 12/31/13	CYE 12/31/12	CYE 12/31/11	CYE 12/31/10	Trailing 1 Year	Trailing 3 Year	Trailing 5 Year	Trailing 10 Year	ITD	Inception Date
Access RBC Benchmark			1.40	0.24	1.62	1.40	-0.90	-1.50	2.38	6.32	5.52	0.38	2.76	3.46		4.72	Mar-01-07
Excess			0.29	-0.08	0.02	0.29	0.59	-0.54	2.06	0.66	0.20	-0.29	0.83	1.81		0.95	
CPC Term Loan	1.7		0.18	0.60	1.42	0.18	2.45	2.45	2.51	2.09	2.06	2.44	2.35	2.26		3.24	Mar-01-07
CPC Term Loan Index			0.18	0.53	1.36	0.18	2.50	2.44	2.47	2.03	2.08	2.41	2.31	2.23		3.19	Mar-01-07
Excess			0.01	0.07	0.06	0.01	-0.05	0.01	0.05	0.05	-0.01	0.03	0.04	0.03		0.05	
TOTAL FIRE PPAR	2.8	0.03	2.98	3.54	6.61	2.98	8.70	7.81	9.28	4.97	8.51	10.24	8.27	8.83		8.45	Oct-01-06
GNMA Plus 65bps			2.02	0.73	2.96	2.02	-1.53	-1.56	2.89	8.70	7.32	0.99	3.88	4.98		5.83	Oct-01-06
Excess			0.97	2.81	3.65	0.97	10.23	9.37	6.39	-3.73	1.19	9.25	4.38	3.84		2.61	
GNMA							9.91	12.09	8.80	-4.11	7.12						
Short Term Investments							0.08	0.06	0.10	0.09	0.17						
CFSB-PPAR	0.4	0.00	3.60	3.53	6.11	3.60	5.55	4.28	8.16	3.29	12.80	7.51	6.41	8.23		7.50	Oct-01-06
CCD-PPAR	1.0	0.01	3.00	3.29	6.55	3.00	10.30	8.64	11.40	5.59	11.58	10.95	9.40	10.41		9.33	Dec-01-06
CPC-PPAR	0.4	0.00	2.46	9.94	12.31	2.46										12.31	Jul-01-13
JPMC-PPAR	0.0	0.00	4.41	6.68		4.41										7.35	Aug-01-13
LIIF-PPAR	0.5	0.01	2.27	2.57	5.40	2.27	8.12	7.44	6.84	4.96	4.34	9.21	7.09			6.60	Aug-01-09
NYC FIRE LIIF-PPAR ETI 2013	0.1	0.00	3.49	6.73		3.49											Jul-16-13
NCBCI-PPAR	0.3	0.00	3.67	-0.69	2.60	3.67	10.42	3.72	9.46	8.50	4.10	6.72	8.37			7.18	Aug-01-09
NYC FIRE NCB-CI PPAR ETI 2013	0.0	0.00	3.71	15.24		3.71											Jul-16-13
CASH																	
FIRE-TOTAL CASH	175.4	1.76	0.00	0.04	0.12	0.00	0.33	0.29	0.35	0.35	0.53	0.27	0.32	0.51		2.20	Apr-01-04
91 DAY TREASURY BILL (DAILY)			0.01	0.03	0.04	0.01	0.11	0.07	0.11	0.10	0.13	0.08	0.10	0.13		1.70	Apr-01-04
Excess			-0.01	0.01	0.08	-0.01	0.22	0.21	0.23	0.25	0.41	0.19	0.22	0.38		0.50	
STATE STREET SHORT TERM	174.7	1.76	0.00	0.04		0.00						0.23	0.32	0.53		2.20	Apr-01-04
C/D - Fail Float Earnings	0.7	0.01	0.01	0.31		0.01	0.11		0.12	80.0	0.17						Apr-01-04
SECURITY LENDING	14.7	0.15															Apr-01-04
PRIVATE EQUITY																	
FIRE-TOTAL PRIVATE EQUITY	641.5		-0.11	0.04	6.79	-0.11	9.38	12.72	11.35	12.50	16.82	12.15	11.96	8.97		12.49	Apr-01-04
NCREIF NFI-ODCE NET + 100 BP			0.08	3.19	7.00	0.08	12.18	14.02	10.88	16.09		14.02	13.65				Apr-01-04
Excess			-0.19	-3.16	-0.21	-0.19	-2.81	-1.30	0.46	-3.59		-1.88	-1.68				
REAL ASSETS																	
FIRE-TOTAL REAL ASSETS	362.8	3.65	1.34	2.05	7.39	1.34	13.31	12.58	14.84	17.72	4.54	13.30	15.09	0.01		6.13	Apr-01-04
FIRE-TOTAL PRIVATE REAL ESTATE	361.8	3.64	1.34	2.05	7.39	1.34	13.31	12.58	14.84	17.72	4.54	13.31	15.10	0.01		6.13	Apr-01-04



Terrous Enantiguation, 92, 2014	Assets (\$MM)	% of Total	•	Trailing 3 Month	FYTD	CYTD	FYE 06/30/13	CYE 12/31/13	CYE 12/31/12	CYE 12/31/11	CYE 12/31/10	•	Trailing 3 Year	Trailing 5 Year	Trailing 10 Year	ITD	Inception Date
NCREIF NFI-ODCE NET + 100 BP			0.08	3.19	7.00	0.08	12.18	14.02	10.88	16.09		14.02	13.65				Apr-01-04
Excess			1.26	-1.14	0.40	1.26	1.12	-1.44	3.96	1.62		-0.72	1.45				
FIRE-TOTAL INFRASTRUCTURE	1.0	0.01	0.00	-10.59		0.00										-10.59	Nov-01-13
FIRE-TOTAL FIRE	9,938.1	100.00	-1.31	0.86	8.91	-1.31	11.90	15.88	13.13	0.84	14.42	11.28	8.83	13.87	7.01	8.71	Jul-01-87
Fire Policy Benchmark			-0.82	0.72	7.59	-0.82	11.77	13.88	13.45	2.02	14.81	9.99	8.66	15.70	7.36		Jul-01-87
Excess			-0.49	0.14	1.32	-0.49	0.14	2.00	-0.32	-1.17	-0.39	1.29	0.16	-1.83	-0.35		

#### New York City Fire Department Pension Fund, Subchapter 2 Private Equity Portfolio As of September 30, 2013 (in USD)

As of September 30, 2013 (in USD)									
Vintage Year	Investment	First Drawdown	Committed Capital	Contributed Capital	Distributed Capital	Market Value	Multiple	IRR	
Active Inve		12/45/4000	\$ 10,000,000	¢ 40.047.722	¢ 42.057.022	6 024.4==	1.37x	C 201	
1998	VS&A Communications Partners III, L.P. Cypress Merchant Banking Partners II, L.P.	12/15/1998 3/29/1999	\$ 10,000,000 22,586,486	\$ 10,047,732 26,930,800	\$ 12,857,032 21,720,353	\$ 924,457 2,136,153	0.89x	6.3% (2.5%)	
1999	FdG Capital Partners LLC	6/2/1999	25,000,000	28,702,545	42,513,323	5,169,592	1.66x	14.9%	
1999	Lincolnshire Equity Fund II, L.P.	10/20/1999	6,899,005	7,223,050	13,589,571	807,674	1.99x	24.9%	
2000	Carlyle Partners III, L.P.	3/1/2000	13,793,931	16,977,941	35,986,762	23,556	2.12x	23.3%	
2000	SCP Private Equity Partners II, L.P.	6/15/2000	15,000,000	16,812,706	4,955,624	5,759,227	0.64x	(6.3%)	
2001 2001	New Mountain Partners, L.P.  Apollo Investment Fund V, L.P.	3/16/2001 4/13/2001	9,070,967 15,000,000	8,553,824 23,362,606	11,454,301 44,801,747	946,728 1,769,606	1.45x 1.99x	12.5% 38.9%	
2001	Prism Venture Partners IV, L.P.	7/12/2001	15,000,000	15,022,654	11,017,733	18,014	0.73x	(6.5%)	
2001	CVC European Equity Partners III, L.P.	9/4/2001	10,000,000	11,579,021	28,606,892	1,212,308	2.58x	41.1%	
2002	Yucaipa American Alliance Fund I, LP	7/1/2002	5,000,000	7,491,869	5,580,336	3,897,669	1.27x	7.9%	
2002	Landmark Equity Partners XI, L.P.	10/23/2002	5,000,000	4,744,911	6,396,003	859,302	1.53x	24.1%	
2003	FS Equity Partners V, L.P.	1/20/2003	10,000,000	9,142,354	15,104,892	3,879,616	2.08x	17.3%	
2003 2003	Blackstone Capital Partners IV, L.P.  Ares Corporate Opportunities Fund, L.P.	2/26/2003 4/1/2003	13,875,989 5,000,000	17,079,987 6,000,993	32,343,731 8,263,441	8,543,885 903,310	2.39x 1.53x	37.2% 13.9%	
2003	Markstone Capital Partners, LP	1/30/2004	5,000,000	5,257,992	2,446,015	2,044,871	0.85x	(4.1%)	
2004	Euro Choice II (Delaware) L.P.	2/25/2004	6,759,914	6,714,168	4,290,723	5,358,988	1.44x	7.9%	
2004	FdG Capital Partners II LP	8/30/2004	5,000,000	5,259,073	4,007,894	1,472,532	1.04x	0.9%	
2004	Paladin Homeland Security Fund (NY City), L.P.	9/27/2004	7,500,000	8,009,017	1,336,032	3,692,474	0.63x	(7.5%)	
2004	Lincolnshire Equity Fund III, L.P.	10/1/2004	5,000,000	4,725,204	5,604,791	3,112,339	1.84x	34.3%	
2004	New York/Fairview Emerging Managers Fund, L.PTranche 1	10/21/2004	2,000,000	1,850,000	566,756	1,336,650	1.03x	0.7%	
2004 2004	Aurora Equity Partners III L.P. Trilantic Capital Partners III L.P.	11/16/2004 11/18/2004	5,000,000 5,000,000	5,421,488 4,451,193	4,949,923 7,184,238	3,935,949 246,461	1.64x 1.67x	14.1% 15.0%	
2004	Celtic Pharmaceutical Holdings L.P.	12/23/2004	2,500,000	2,540,209	40,209	1,520,274	0.61x	(7.7%)	
2005	Palladium Equity Partners III, L.P.	11/12/2004	10,000,000	10,003,593	7,966,390	9,799,963	1.78x	18.1%	
2005	New Mountain Partners II, L.P.	1/12/2005	2,580,650	2,298,286	3,323,930	1,013,226	1.89x	13.6%	
2005	VSS Communications Partners IV, L.P.	3/14/2005	2,500,000	2,682,658	714,735	1,356,991	0.77x	(5.3%)	
2005	Carlyle Partners IV, L.P.	4/29/2005	5,000,000	5,077,850	6,612,092	3,026,417	1.90x	12.9%	
2005	Prism Venture Partners V-A, L.P.	7/14/2005	7,500,000	7,574,945	2,956,169	3,325,104	0.83x	(4.5%)	
2005	Aldus/New York Fire Fund, L.P.	8/19/2005	54,862,500	55,045,345	27,101,092	35,331,350	1.13x	4.0%	
2005	Snow Phipps Group, L.P.	9/7/2005 9/26/2005	5,000,000	5,316,493 2,522,154	3,489,118	3,288,033	1.27x	8.4%	
2005 2005	GI Partners Fund II L.P. Blackstone Mezzanine Partners II, L.P.	10/10/2005	2,500,000 3,000,000	2,856,299	2,458,172 3,044,923	1,338,382 691,203	1.51x 1.31x	7.7% 7.8%	
2005	Psilos Group Partners III, L.P.	10/24/2005	2,500,000	2,545,059	1,282,054	2,087,945	1.32x	7.5%	
2005	FirstMark Capital I, L.P. (fka FirstMark IV)	11/21/2005	1,500,000	1,622,375	1,563,523	3,836,893	3.33x	42.2%	
2005	USPF II Institutional Fund, L.P.	11/23/2005	5,000,000	6,594,940	3,574,886	4,410,858	1.21x	5.1%	
2005	Bridgepoint Europe III	12/6/2005	5,484,169	4,993,430	2,573,844	2,999,056	1.12x	2.0%	
2005	JP Morgan Fleming (Tranche A)	12/21/2005	3,000,000	2,733,940	1,166,723	2,142,355	1.21x	5.6%	
2006	Aisling Capital II, LP	1/12/2006	1,000,000	1,049,663	368,746	713,346	1.03x	0.7%	
2006	InterMedia Partners VII, L.P.	1/20/2006	2,500,000	2,783,727	354,172	3,711,778	1.46x	7.6%	
2006	Terra Firma Capital Partners III, L.P.	3/8/2006	5,224,897	4,992,951	111,319	2,841,106	0.59x	(12.6%)	
2006 2006	Fenway Partners Capital Fund III, L.P. Blackstone Capital Partners V, L.P.	3/29/2006 4/13/2006	5,000,000	5,599,921 9,842,556	2,703,688 3,432,190	2,290,245 9,318,686	0.89x 1.30x	(3.2%)	
2006	Avista Capital Partners, L.P.	4/27/2006	9,625,000 5,000,000	6,305,136	4,606,703	3,963,369	1.36x	8.0%	
2006	Apollo Investment Fund VI, L.P.	5/10/2006	20,000,000	24,907,204	20,940,848	17,923,539	1.56x	11.3%	
2006	Ares Corporate Opportunities Fund II, L.P.	5/23/2006	5,000,000	5,448,347	7,013,482	2,042,728	1.66x	14.1%	
2006	CCMP Capital Investors II, L.P.	8/17/2006	5,000,000	5,417,209	3,356,475	4,810,474	1.51x	14.6%	
2006	Perseus Partners VII, L.P.	8/31/2006	5,000,000	5,602,075	1,396,077	1,211,490	0.47x	(21.9%)	
2006	Euro Choice III L.P.	11/21/2006	5,370,349	4,954,595	1,041,147	4,309,958	1.08x	2.4%	
2006 2006	Catterton Partners VI, L.P.	12/14/2006	5,000,000	5,348,057	3,699,776	5,979,670	1.81x 1.19x	14.8%	
2006	First Reserve Fund XI, L.P. Permira IV, L.P.	12/14/2006 12/14/2006	5,000,000 5,482,010	5,283,208 5,711,580	2,385,097 2,541,339	3,883,176 5,173,456	1.19x 1.35x	4.5% 7.8%	
2006	RRE Ventures IV, L.P.	12/19/2006	2,500,000	2,778,898	477,155	3,501,634	1.43x	10.1%	
2006	Coller International Partners V, L.P.	12/21/2006	5,000,000	4,197,693	2,064,275	3,286,994	1.27x	7.5%	
2006	MidOcean Partners III, L.P.	12/21/2006	10,000,000	10,055,800	2,304,139	10,022,667	1.23x	6.0%	
2006	The Fourth Cinven Fund	1/22/2007	2,818,567	2,777,678	1,437,297	2,502,222	1.42x	8.7%	
2007	Pegasus Partners IV, L.P.	1/29/2007	7,500,000	8,004,917	3,490,940	6,739,321	1.28x	7.0%	
2007	Olympus Capital Asia III, L.P.	1/31/2007	5,000,000	4,625,690	897,719	3,747,396	1.00x	0.2%	
2007 2007	FTVentures III, LP	3/1/2007	2,500,000	2,545,000	1,974,268	3,026,387	1.96x	20.2%	
2007	Highland Consumer Fund I LP  Montreux Equity Partners IV, L.P.	3/16/2007 3/27/2007	2,000,000 5,000,000	1,783,212 4,919,900	1,648,176	1,210,927 4,471,863	0.68x 1.24x	(10.0%) 7.4%	
2007	SCP Vitalife Partners II Fund	4/13/2007	5,000,000	4,499,924	395	3,526,026	0.78x	(8.1%)	
2007	Constellation Venture Capital III, L.P.	5/22/2007	5,000,000	4,977,809	119,899	4,008,492	0.83x	(5.9%)	
2007	United States Power Fund III, L.P.	6/28/2007	5,000,000	4,997,389	1,666,035	3,683,370	1.07x	2.0%	
2007	Carlyle Partners V, L.P.	7/6/2007	10,000,000	9,484,979	4,561,937	8,861,986	1.42x	12.8%	
2007	PCG Clean Energy & Technology Fund (East), LLC	7/6/2007	10,000,000	8,441,664	558,793	5,299,474	0.69x	(11.2%)	
2007	GSO Capital Opportunities Fund LP	7/16/2007	7,500,000	9,766,676	10,909,904	3,439,528	1.47x	19.1%	
2007	New Mountain Partners III, L.P.	8/9/2007	10,000,000	9,662,060	2,812,931	9,181,394	1.24x	8.9%	
2007	Vista Equity Partners Fund III, L.P.	10/3/2007	7,500,000	7,358,322	10,628,564	8,231,392	2.56x	30.8%	
2007 2007	Trilantic Capital Partners IV L.P. Pine Brook Capital Partners, L.P.	10/22/2007 1/11/2008	7,236,332 7,500,000	7,125,677 6,682,427	5,591,536 3,666,043	6,448,924 5,782,984	1.69x 1.41x	20.2% 16.3%	
2007	Paladin III (NY City), L.P.	1/8/2008	7,500,000	6,507,082	1,976,451	5,782,984	1.41x 1.13x	4.4%	
2008	Apollo Investment Fund VII, L.P.	1/28/2008	25,000,000	27,689,637	26,749,480	18,927,464	1.65x	26.4%	
2008	NGN BioMed Opportunity II, L.P.	2/11/2008	5,000,000	3,962,955	857,371	2,181,617	0.77x	(8.2%)	
2008	Riverstone/Carlyle Global Energy & Power Fund IV, L.P.	3/3/2008	7,500,000	6,891,531	4,074,569	5,456,538	1.38x	13.2%	
2008	Yucaipa American Alliance Fund II, LP	3/28/2008	15,000,000	18,730,325	8,475,539	20,230,584	1.53x	17.5%	
2008	Levine Leichtman Capital Partners IV, L.P.	4/8/2008	5,000,000	4,872,424	3,025,914	4,515,362	1.55x	23.2%	
2008	Lee Equity Partners Fund, L.P.	4/23/2008	7,500,000	6,754,076	1,299,437	6,347,696	1.13x	5.5%	
2008	New York/Fairview Emerging Managers Fund, L.PTranche 2	5/28/2008	5,000,000	2,852,000	625,148	2,877,475	1.23x	9.7%	
2008	Yucaipa Corporate Initiatives Fund II, LP	6/23/2008	4,676,976	4,488,749	520,514	2,998,571	0.78x	(9.7%)	
2008 2008	CVC European Equity Partners V, L.P. GI Partners Fund III L.P.	7/21/2008 7/29/2008	13,714,824 7,500,000	11,376,702 7,822,831	5,319,791 5,085,528	8,875,021 5,707,343	1.25x 1.38x	9.5% 15.2%	
2008	Ares Corporate Opportunities Fund III, L.P.	7/29/2008 7/30/2008	10,000,000	10,630,438	8,425,773	7,789,460	1.38X 1.53x	22.8%	
2008	CS NYCFDPF Emerging Manager Co-Investment Fund, L.P.	8/22/2008	990,607	1,188,928	592,332	977,443	1.32x	8.9%	
2008	CS NYCFDPF Emerging Manager Fund, L.P.	8/22/2008	8,979,798	6,066,156	1,494,458	4,712,185	1.02x	1.4%	
	First Reserve Fund XII, L.P.	8/25/2008	5,000,000	4,359,906	713,408	4,197,381	1.13x	4.1%	

#### New York City Fire Department Pension Fund, Subchapter 2 Private Equity Portfolio As of September 30, 2013 (in USD)

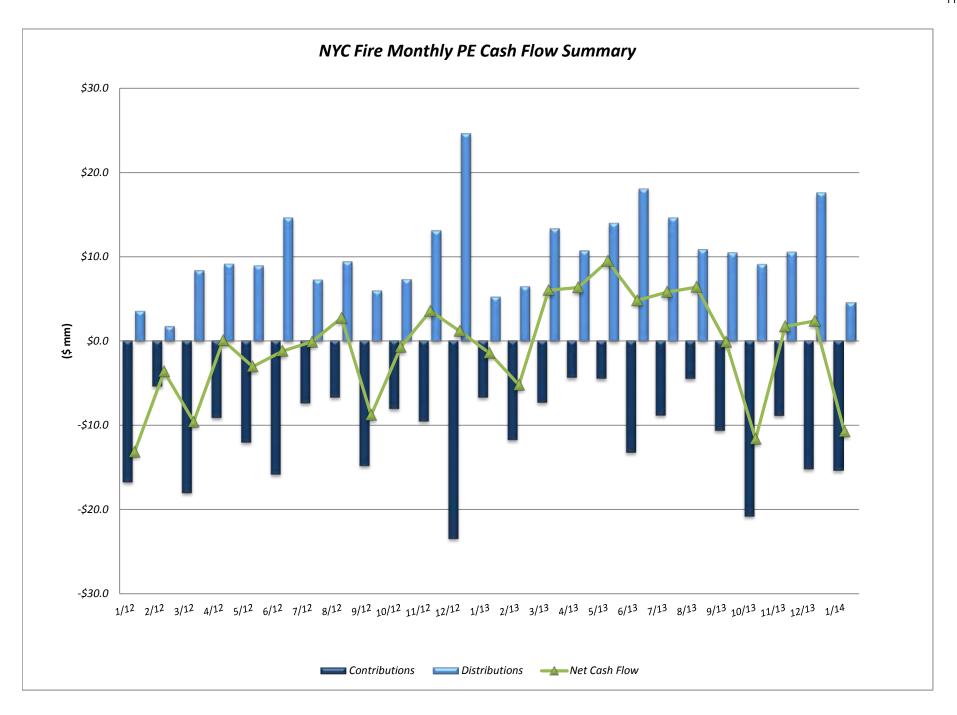
Vintage Year	Investment	First Drawdown	Committed Capital	Contributed Capital	Distributed Capital	Market Value	Multiple	IRR
2008	Landmark Equity Partners XIV, L.P.	9/19/2008	13,630,000	9,870,309	4,247,095	8,420,117	1.28x	17.7%
2008	Crestview Partners II, L.P.	10/1/2008	7,500,000	7,094,220	2,554,107	7,218,364	1.38x	16.6%
2008	Erasmus New York City Growth Fund IA	10/17/2008	1,208,990	1,208,990	417,624	387,445	0.67x	(8.7%)
2008	Euro Choice IV L.P.	10/22/2008	6,745,522	3,874,062	329,538	3,621,831	1.02x	1.0%
2008	Avista Capital Partners II, L.P.	11/5/2008	10,000,000	10,939,168	6,315,847	9,539,040	1.45x	16.1%
2008	Bridgepoint Europe IV	11/14/2008	6,772,460	5,571,131	425,736	6,450,685	1.23x	9.8%
2008	Aisling Capital III, LP	11/20/2008	3,500,000	2,469,758	984,805	2,158,511	1.27x	15.6%
2008	Onex Partners III LP	12/10/2008	5,000,000	4,724,060	979,713	4,382,640	1.14x	7.7%
2009	NorthBound Emerging Manager Custom Fund LP	1/29/2009	5,000,000	3,288,789	961,039	3,148,402	1.25x	10.9%
2009	Welsh, Carson, Anderson & Stowe XI, L.P.	2/10/2009	7,500,000	5,896,269	1,246,229	6,474,089	1.31x	13.3%
2009	Scale Venture Partners III, LP	5/1/2009	5,000,000	4,358,924	1,845,600	6,148,629	1.83x	29.3%
2009	FS Equity Partners VI, L.P.	7/27/2009	12,500,000	9,090,145	2,093,738	9,836,379	1.31x	13.4%
2009	Lincolnshire Equity Fund IV, L.P.	8/5/2009	2,500,000	1,489,342	197,254	1,098,544	0.87x	(8.3%)
2009	Lexington Capital Partners VII, L.P.	12/3/2009	10,000,000	6,994,977	2,698,857	6,468,677	1.31x	17.5%
2010	Snow Phipps II, L.P.	1/8/2010	7,500,000	3,417,814	374,637	3,675,706	1.19x	10.0%
2010	Trident V, L.P.	4/29/2010	15,000,000	9,691,741	858,026	9,593,457	1.08x	5.7%
2010	Comvest Investment Partners IV, L.P.	10/21/2010	20,000,000	10,883,571	10,364,319	6,557,119	1.55x	43.2%
2011	Blackstone Capital Partners VI, L.P.	1/24/2011	10,000,000	2,717,288	143,195	2,859,223	1.10x	7.9%
2011	Ampersand 2011	3/11/2011	5,000,000	3,900,000	-	4,400,700	1.13x	8.8%
2011	BDCM Opportunity Fund III, L.P.	4/8/2011	10,000,000	6,485,642	1,947,420	5,283,848	1.11x	11.5%
2011	AXA Secondary Fund V B L.P.	6/16/2011	40,000,000	23,186,576	2,606,797	28,152,397	1.33x	27.5%
2011	Wellspring Capital Partners V, L.P.	7/1/2011	7,500,000	2,064,897	431,184	1,331,315	0.85x	(10.5%)
2011	EQT VI, L.P.	8/1/2011	18,621,878	6,484,735	-	5,517,414	0.85x	(14.1%)
2011	Pegasus Partners V, L.P.	8/16/2011	6,236,975	3,289,381	94	3,359,191	1.02x	1.5%
2011	BC European Capital IX	9/19/2011	23,782,118	10,987,874	1,089,125	11,744,216	1.17x	18.5%
2011	American Securities Partners VI, L.P.	11/18/2011	20,000,000	6,516,089	2,233,573	6,153,310	1.29x	22.4%
2011	Vista Equity Partners Fund IV, L.P.	11/30/2011	30,000,000	16,640,098	2,146,182	16,091,135	1.10x	9.6%
2012	NYCFDPF - 2012 Emerging Manager Program*	2/7/2013	25,000,000	1,674,879	327,449	1,118,641	0.84x	NM
2012	Warburg Pincus Private Equity XI, L.P.	5/24/2012	35,000,000	9,051,277	2,219,000	7,585,283	1.08x	9.4%
2012	Summit Partners Growth Equity Fund VIII-A, L.P.	6/14/2012	30,000,000	4,500,000	-//	4,151,805	0.92x	(10.9%)
2012	Trilantic Capital Partners V L.P.	9/20/2012	10,000,000	1,176,580	6,668	945,951	0.81x	(34.6%)
2012	Palladium Equity Partners IV, L.P.	10/10/2012	10,000,000	1,622,417	70.984	1,650,386	1.06x	NM
2012	Ares Corporate Opportunities Fund IV, L.P.	11/5/2012	20,000,000	2,537,031	-	2,318,777	0.91x	NM
2012	Green Equity Investors VI, L.P.	11/30/2012	25,000,000	3,969,271	63,532	3,628,078	0.93x	NM
2012	Platinum Equity Capital Partners III, L.P.	1/14/2013	25,000,000	5,140,911	2,642,571	4,942,107	1.48x	NM
2013	Carlyle Partners VI, L.P.	7/3/2013	20,000,000	137,685	-//	53,488	0.39x	NM
2013	Landmark Equity Partners XV, L.P.	10/30/2013	26,000,000	-		-	N/A	N/A
2013	Apollo Investment Fund VIII, L.P.	12/11/2013	40,000,000	-	-		N/A	N/A
2013	Landmark - NYC Fund I, L.P.	12/24/2013	9,000,000	_		_	N/A	N/A
2013	Olympus Growth Fund VI, L.P.	1/24/2014	15,000,000	-	-		N/A	N/A
2013	CVC Capital Partners VI, L.P.	2/18/2014	40,000,000	_		_	N/A	N/A
2013	Carlyle Partners VI, L.P. (Side Car)	N/A	2,200,000	-	-		N/A	N/A
Total Port			\$ 1,348,518,356	\$ 956,466,004	\$ 674,140,981	\$ 606,974,779	1.34x	10.6%

Vintage Year	Investment	First Drawdown	Committed Capital	Contributed Capital	Distributed Capital	Market Value	Multiple	IRR
Commitm	ents Closed Subsequent to as of Date							
2013	FTVentures IV, LP	12/2/2013	\$ 2,500,000	\$ -	\$ -	\$ -	0.00x	N/A
2013	Vista Foundation Fund II, L.P.	12/27/2013	2,500,000	-	-	-	0.00x	N/A
Total Com	mitments Closed Subsequent to as of Date		\$ 5,000,000	\$ -	\$ -	\$ -	N/A	N/A

<sup>\*</sup>Please note that the NYCFDPF - 2012 Emerging Manager Program total commitment amount includes the full amount allocated to the Program, of which \$13.3 million has been committed as of March 5, 2014.

Note: IRRs presented are interim estimates and may not be indicative of the ultimate performance of fund investments due to a number of factors, such as the lack of industry valuation standards and the differences in the investment pace and strategy of various funds. Until a fund is liquidated, typically over 10 to 12 years, the IRR is only an interim estimated return. The IRR calculated in early years of a fund is not meaningful given the J-curve effect. The actual IRR performance of any fund is not known until all capital contributed and earnings have been distributed to the investor. The IRRs contained in this report are calculated by StepStone Group LP ("StepStone"), a consultant to the New York City Fire Department Pension Fund, Subchapter 2, based on information provided by the general partners (e.g. cash flows and valuations). The IRR calculations and other information contained in this report have not been reviewed or confirmed by the general partners. The result of the IRR calculation may differ from that generated by the general partners. Differences in IRR calculations can be affected by cash-flow timing, the accounting treatment of carried interest, fund management fees, advisory fees, organizational fees, other fund expenses, sale of distributed stock, and valuations.

<sup>&</sup>lt;sup>1</sup>Total Portfolio includes liquidated investments and is presented Pro-Forma for the proceeds received and expected to be received from the sale of nine partnership investments in secondary transactions that closed during the first half of 2012.



# The Townsend Group

New York City Fire Department Pension Fund

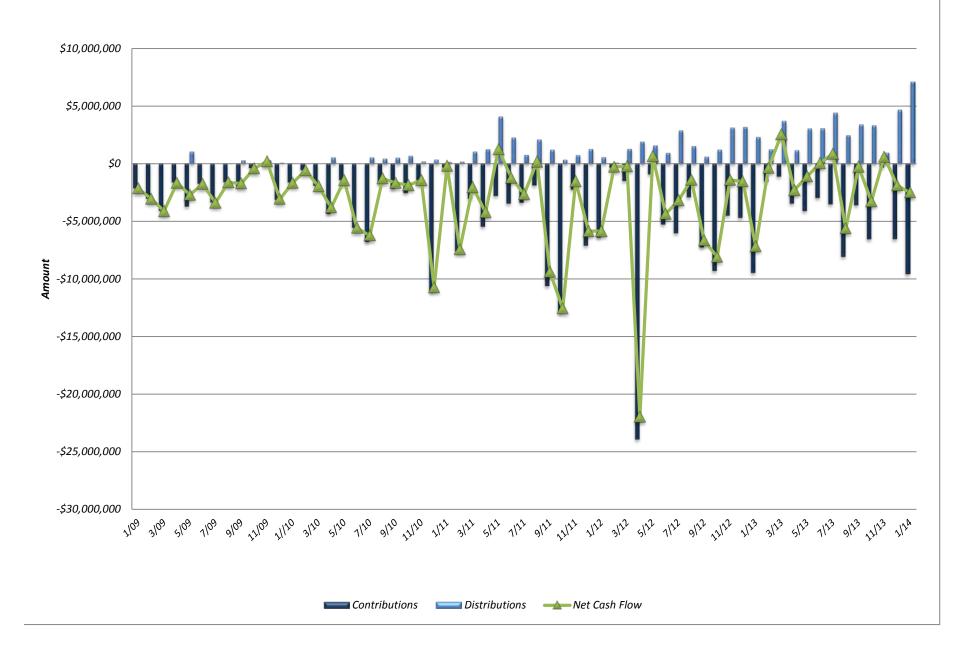
Vintage Year	Fund Name	First Draw Down	Capital Committed	Contributions	Distributions	Market Value	Equity Multiple	Net IRR
2006	UBS Trumbull Property Fund ("UBS-TPF")	9/28/2006	\$27,000,000	\$30,623,990	(\$2,858,194)	\$33,149,494	1.2	5.6%
2006	RREEF America REIT II	10/1/2006	\$7,000,000	\$9,178,399	(\$3,070,331)	\$7,368,138	1.1	2.4%
2006	PRISA SA	9/29/2006	\$7,000,000	\$7,372,376	(\$944,772)	\$7,191,659	1.1	1.5%
2006	Prologis Targeted U.S. Logistics Fund	10/1/2006	\$5,000,000	\$5,929,858	(\$974,686)	\$4,305,868	0.9	-2.0%
2007	JP Morgan Strategic Property Fund	12/5/2006	\$22,000,000	\$22,908,814	\$0	\$30,481,760	1.3	7.4%
2007	PRISA II	6/30/2007	\$20,228,233	\$20,990,907	(\$1,969,269)	\$20,094,223	1.1	1.0%
2007	Heitman HART	3/29/2007	\$9,000,000	\$10,924,093	(\$1,924,093)	\$12,065,352	1.3	6.0%
2007	JP Morgan Special Situation Property Fund	1/2/2007	\$5,000,000	\$5,475,670	(\$843,341)	\$4,561,051	1.0	-0.2%
2007	Colony Realty Partners II	12/20/2006	\$5,000,000	\$5,355,052	(\$166,526)	\$2,022,600	0.4	-14.2%
2007	RREEF America REIT III - 1410	10/1/2007	\$5,000,000	\$5,000,000	(\$631,925)	\$1,716,827	0.5	-12.1%
2010	LaSalle Property Fund	7/1/2010	\$30,000,000	\$25,761,134	(\$1,906,513)	\$29,255,557	1.2	12.2%
2013	NYC Asset Investor #2 LLC - Related	7/9/2013	\$9,000,000	\$153,581	\$0	\$142,711	0.9	-27.6%
	Core / Core Plus Portfolio		\$151,228,233	\$149,673,873	(\$15,289,649)	\$152,355,239	1.1	2.9%
2003	Canyon Johnson Urban Fund	12/6/2002	\$10,000,000	\$9,060,242	(\$10,582,954)	\$0	1.2	10.2%
2004	The City Investment Fund I	3/16/2004	\$35,000,000	\$34,515,181	(\$22,226,751)	\$15,210,017	1.1	2.1%
2004	Blackstone Fund IV	5/10/2004	\$5,000,000	\$6,406,782	(\$5,646,005)	\$2,944,710	1.3	11.3%
2005	Canyon Johnson Urban Fund II	5/11/2005	\$10,000,000	\$8,988,710	(\$727,287)	\$4,026,200	0.5	-10.3%
2007	Blackstone Real Estate Partners VI	9/27/2007	\$10,000,000	\$10,756,120	(\$3,024,373)	\$12,970,718	1.5	11.0%
2007	Colony Investors VIII	9/18/2007	\$20,000,000	\$21,249,679	(\$3,103,407)	\$7,070,672	0.5	-15.4%
2007	Metropolitan Workforce Housing Fund	7/13/2007	\$3,500,000	\$3,503,257	(\$248,859)	\$3,255,149	1.0	0.0%
2007	Carlyle Realty Partners V	8/27/2007	\$5,000,000	\$6,080,020	(\$5,383,124)	\$2,249,485	1.3	7.2%
2008	Stockbridge Real Estate Fund III	9/9/2008	\$13,500,000	\$13,142,674	\$0	\$14,309,884	1.1	3.0%
2008	AREA European Real Estate Fund III, LP	5/6/2008	\$15,000,000	\$15,243,750	(\$3,252,500)	\$11,938,439	1.0	-0.1%
2008	AG Realty Fund VII	5/20/2008	\$15,000,000	\$14,100,000	(\$9,900,000)	\$9,416,705	1.4	12.5%
2008	ARA Asia Dragon Fund	7/9/2008	\$10,000,000	\$9,284,000	(\$6,309,344)	\$7,018,879	1.4	12.0%
2008	American Value Partners Fund I	10/18/2007	\$5,000,000	\$3,763,712	(\$993,973)	\$2,278,163	0.9	-4.2%
2008	Silverpeak Legacy Partners III (Lehman)	5/28/2008	\$5,000,000	\$2,216,844	(\$77,766)	\$879,555	0.4	-16.3%
2009	Walton Street Real Estate Fund VI	4/27/2009	\$5,000,000	\$4,432,393	(\$904,182)	\$4,592,782	1.2	9.0%
2009	Thor Urban Property Fund II	10/30/2008	\$5,000,000	\$6,469,583	(\$2,220,902)	\$4,145,899	1.0	-1.1%
2009	Carbon Capital III	7/2/2009	\$10,000,000	\$10,939,291	(\$9,704,403)	\$3,402,286	1.2	8.4%
2010	Blackstone Real Estate Partners Europe III (USD Vehicle)	10/24/2008	\$5,000,000	\$4,579,567	(\$465,881)	\$5,250,714	1.2	17.5%
2010	Westbrook Real Estate Fund VIII	12/28/2009	\$5,000,000	\$5,830,015	(\$2,330,109)	\$4,685,560	1.2	14.4%
2010	Canyon Johnson Urban Fund III	3/29/2010	\$5,000,000	\$4,296,175	(\$1,512,249)	\$3,555,188	1.2	9.8%
2011	Carlyle Realty Partners VI	9/14/2011	\$20,000,000	\$8,446,368	(\$770,083)	\$10,195,104	1.3	24.6%
2011	H/2 Special Opportunities Fund II	1/31/2011	\$10,000,000	\$5,309,227	(\$652,239)	\$6,186,264	1.3	24.2%
2012	Divco West Fund III	12/30/2011	\$30,000,000	\$27,030,042	(\$2,229,172)	\$32,909,346	1.3	28.6%
2012	Blackstone Real Estate Partners VII	3/31/2012	\$30,000,000	\$17,987,613	(\$3,301,200)	\$19,892,971	1.3	32.9%
2012	Taconic New York City Investment Fund LP	7/5/2012	\$20,000,000	\$6,045,455	\$0	\$5,804,476	1.0	-3.9%
2012	Brookfield Strategic Real Estate Partners	9/20/2012	\$15,000,000	\$3,771,801	\$0	\$4,104,909	1.1	15.6%
2013	KTR Industrial Fund III	6/28/2013	\$10,000,000	\$1,369,869	\$0	\$1,399,720	1.0	12.6%
2013	NYC Asset Investor #1 LLC - Emmes	6/25/2013	\$5,000,000	\$379,214	\$0	\$374,142	1.0	-4.9%
2013	NYC Asset Investor #3 LLC - Hudson	9/20/2013	\$6,000,000	\$46,856	\$0	\$46,265	1.0	-37.1%
	Non Core and Emerging Manager Portfolio		\$343,000,000	\$265,244,439	(\$95,566,762)	\$200,114,202	1.1	4.2%
	New York City Fire Department Pension Fund		\$494,228,233	\$414,918,312	(\$110,856,411)	\$352,469,441	1.1	3.6%

Funds Closed Subsequent to Quarter

Vintage	Fund Name	First Draw Down	Capital Committed	Contributions				
2012	AXA Real Estate Debt Joint Venture		\$25,000,000	=	-	-	-	-
2013	Divco West Fund IV (including co-investment)		\$40,000,000	=	=	-	-	-
2013	Lone Star Real Estate Fund III		\$25,000,000	=	=	-	-	-
2013	Blackstone Real Estate Partners Europe IV		\$20,000,000	=	=	-	-	-
<b>Grand Total</b>			\$110,000,000					

Source: PCG historical cash flow data. TTG cash flow data from Fund Managers, effective 2005. Note: The equity multiples and IRRs contained in this report are interim calculations based upon information provided by the investment managers of the New York City
Retirement Systems, including cash flows and quarterly unaudited, or audited, valuations. The IRR calculated in early years of a fund life is not meaningful given the J-curve effect and can be significantly impacted by the timing of cash flows, investment strategy, investment pacing, and fund life. The calculations are not necessarily indicative of total fund performance, which can only be determined after the fund is liquidated and all capital contributed and earnings have been distributed to the investor. All data supplied is as of September 30, 2013. Note: The General Partner of the JPMorgan Urban Renaissance Fund terminated the Fund on February 23, 2010 and all capital contributed, including management fees, was returned to investors.

#### Fire Monthly Real Estate Cash Flow Summary



III. Risk Presentation:

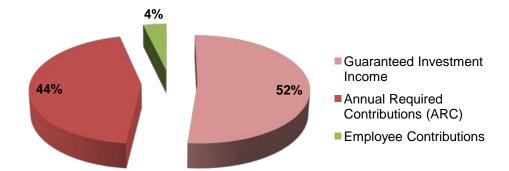
# The Pension Balance Sheet: A Risk Manager's Perspective



THE CITY OF NEW YORK
OFFICE OF THE COMPTROLLER
BAM Risk Management
February 19, 2014

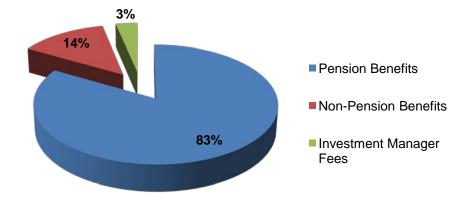
# Annual Income

- \$11.0B Guaranteed Annual Investment Income
- \$9.5B Annual Required Contributions (ARC)
- \$0.8B Employee Contributions
- \$21.3B Total Income



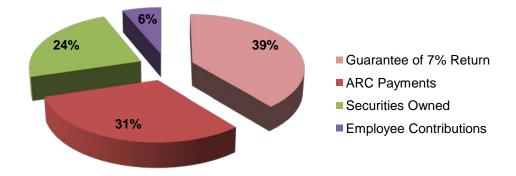
# Annual Disbursements

- \$10.0B Pension Benefits
- \$1.6B Non-Pension Benefits
- \$0.4B Investment Management Fees
- \$12.0B Total Disbursements



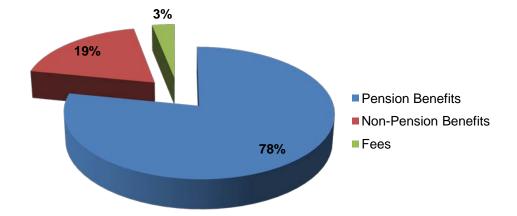
# Market Value of Assets

- \$250B Guarantee of 7% Return
- \$200B ARC Payments
- \$150B Securities Owned
- \$40B Employee Contributions
- \$640B Total Assets



# Market Value of Liabilities

- \$500B Pension Benefits
- \$120B Non-Pension Benefits
- \$20B Investment Management Fees
- \$640B Total Liabilities



IV. Emerging Market Debt Education:



YOU DEMAND MORE. So do we.SM



# New York City Fire Dept. Pension Fund

# Overview of Emerging Markets Debt Asset Class

March 20, 2014

Doug Moseley, Partner Kristin Finney-Cooke, Senior Consultant Phillip Nelson, CFA, Research Consultant

# Agenda

- Current Outlook
- Recent History
- Investing in Emerging Markets Debt
- Appendix
  - Asset Class Assumptions



Current Outlook - Emerging Market Debt



## Current Outlook - Emerging Market Debt

#### Emerging Market economic conditions are diverging globally

- Divergence in economic conditions broadens range of outcomes by country
- Differences reflect each country's fiscal and monetary policy response
- Growth differentials are narrowing relative to developed markets but remain higher

### US Fed taper will occur throughout 2014 with global implications

- Taper of Quantitative Easing will have global implications
- Federal Reserve "Taper" instigated strong reversal of emerging market capital flows
- Growth and inflation outcomes will dictate any change to path (timing and scale) of tapering

#### Diversification still matters, especially after a period when not rewarded

- The discipline of long-term strategy allows for participation in rising markets, while maintaining a defensive position when markets correct
- Forward-looking emerging market return expectations are elevated relative to developed markets

## Maintain long-term commitment to emerging markets

- In the short-term, emerging world faces distinctive conditions in each country
- Long-term secular outlook of stronger growth and continued development remains in place
- Use active management to navigate potential macroeconomic and currency issues

## Emerging Markets – Challenges and Opportunities

#### EM output has moderated after decade-long boom

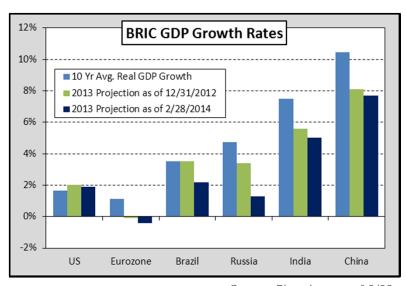
- Still positive and expected to exceed developed world growth
- Emerging world likely to continue to grow in global economic importance

### Recent weakness offers an opportunity to build positions for those investors with belowmarket exposure to EM

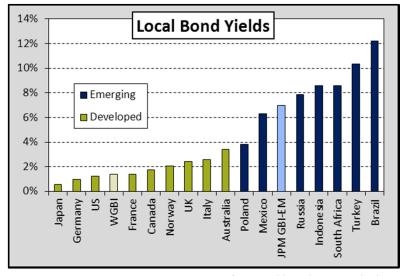
- Valuation and yield levels offer some compensation for current uncertainty
- Active implementation can facilitate management around volatility at country and security level

#### Credit and liquidity have become constrained in certain countries

- Countries reliant on inflows to finance current account deficits now face currency challenges
- Adjustment in yields (higher) and currencies (lower) in these countries has brought some shortterm stability
  - Potential for balance of payment crisis remains elevated in certain countries



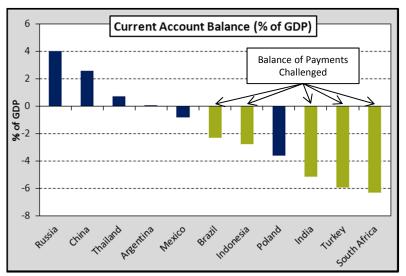


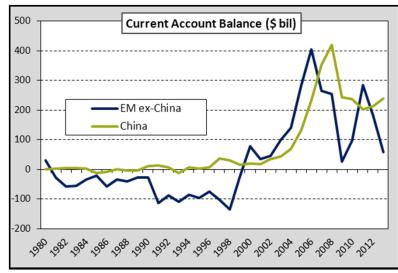


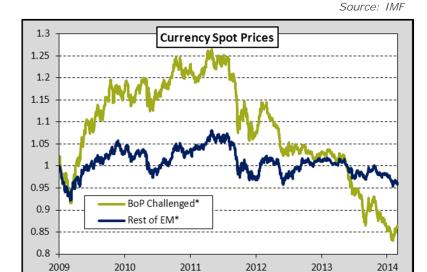
Source: Bloomberg as of 2/28

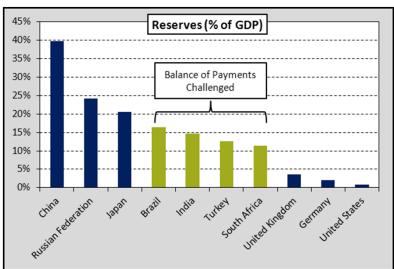


# Emerging Countries Facing Current Account Challenges May Face Further Adjustment









Source: IMF

Source: Bloomberg, NEPC as of 2/28 \*Non-weighted averages

Source: IMF Balance of Payments (BoP) Challenged Countries: Brazil, Turkey, India, Indonesia, South Africa



# Current Outlook – Emerging Market Debt

#### Emerging Market Debt was the worst performing risk asset in 2013

- EMD is prone to cyclical spikes in volatility, specifically local currency debt
- Local currency markets offer higher yields but with increased volatility
- USD denominated spreads remain below long-term average
- Currency concerns of the "Fragile 5" and investor flows overhang the market

## Long-term EM secular outlook is promising but balance of payment concerns persist

- Credit profile remains supportive
- EM countries relative to developed markets offer lower Debt/GDP levels, higher GDP growth, and large central bank reserves
- Tactical approach is preferred as country selection is key

## Consider a Tactical Blended EMD Implementation Approach

- Incorporates full EMD opportunity set including local currency, corporates, hard currency sovereigns, and inflation-linked debt
- Strategies can quickly implement tactical allocation decisions based on country and currency views
- Blended mandates can exploit relative value opportunities across credit and currency exposures

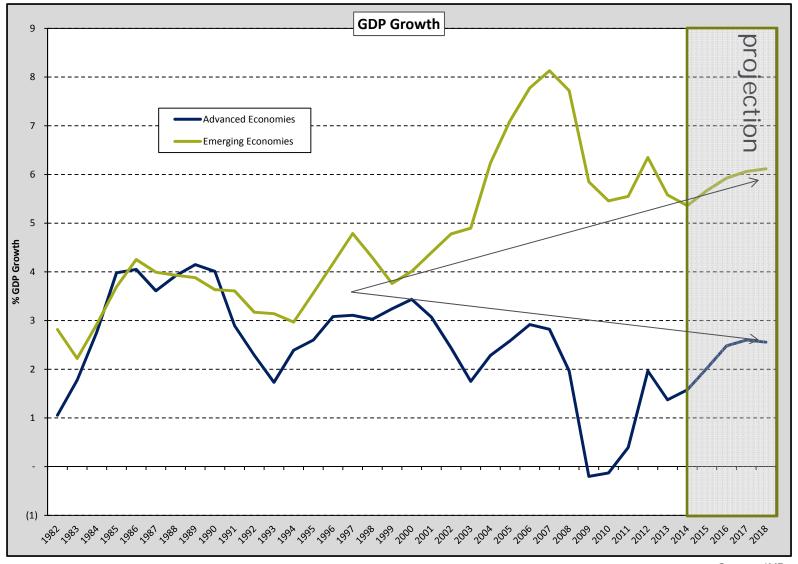
**Recent History Of Emerging Markets** 



# Booming Emerging Markets Over the Last Two Decades

- In the 1990s, a confluence of political and market drivers created dynamics that positioned emerging economies for tremendous economic growth
  - Economic liberalization and political will to support growth
    - Focus on growth and development in China
    - Fall of communism in Eastern Europe
  - Developed countries in strong financial position
    - · Strong growth led to willingness to run current account deficits
    - Not threatened by emerging countries and willing to engage in trade
  - Advancing technology
    - Efficient management of supply chains
    - Lower shipping costs
  - Low labor costs and undervalued emerging currencies
    - Emerging markets become major players in global trade
  - Rising commodity prices
    - Further tailwind to commodity-rich, emerging countries
- Collectively, emerging markets became the engine of global growth

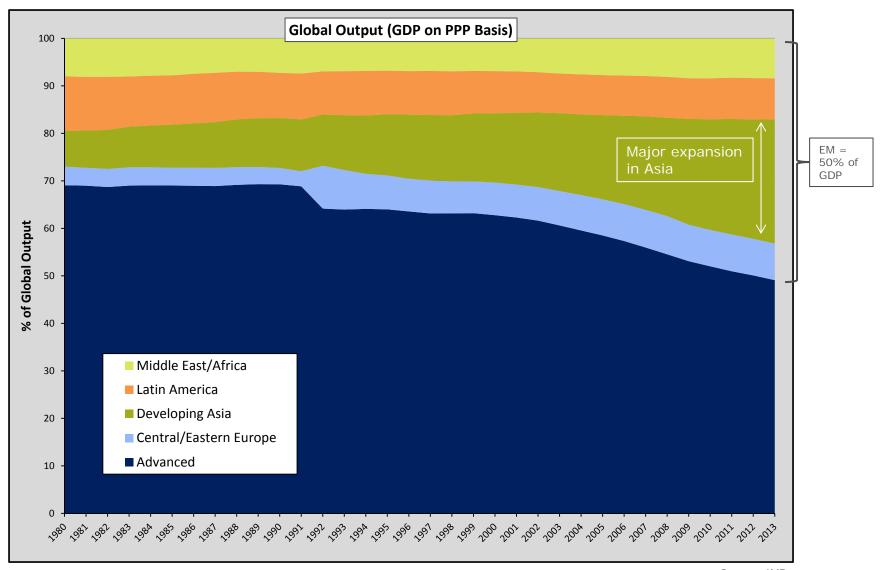
# Global Growth Fueled By Emerging Markets Over the Last Two Decades



Source: IMF



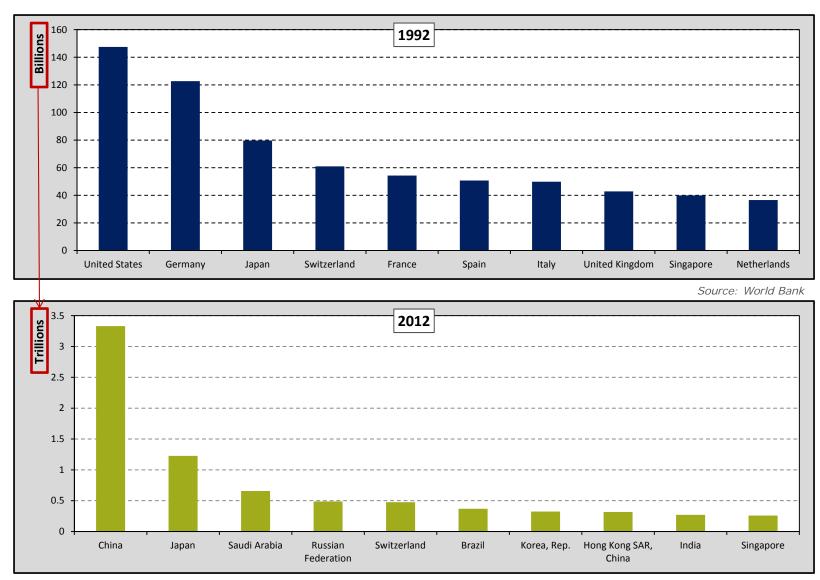
# Global Economic Rebalancing – Emerging Economies Now Half of Global Production







# Total Reserves – Top Ten Countries (not including Sovereign Wealth Assets)

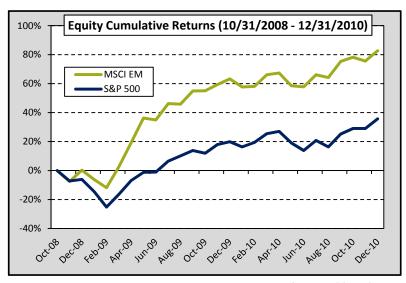


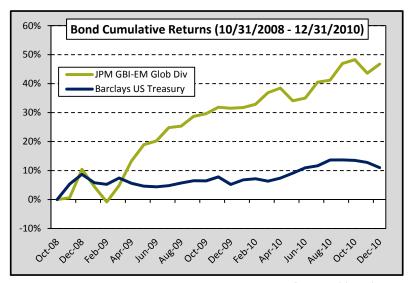




### Faster Recovery In Emerging Markets Post-Financial Crisis

- Like the rest of the world, Emerging Markets were caught in the liquidity squeeze of 2008
- But, the subsequent recovery was powerful
  - Emerging countries faced less challenging fiscal and debt situations
  - Economic growth returned more rapidly
  - Financial markets responded with dramatic rallies across stocks and bonds
- Capital followed as investors sought the higher returns of fastgrowing and less debt-burdened emerging markets



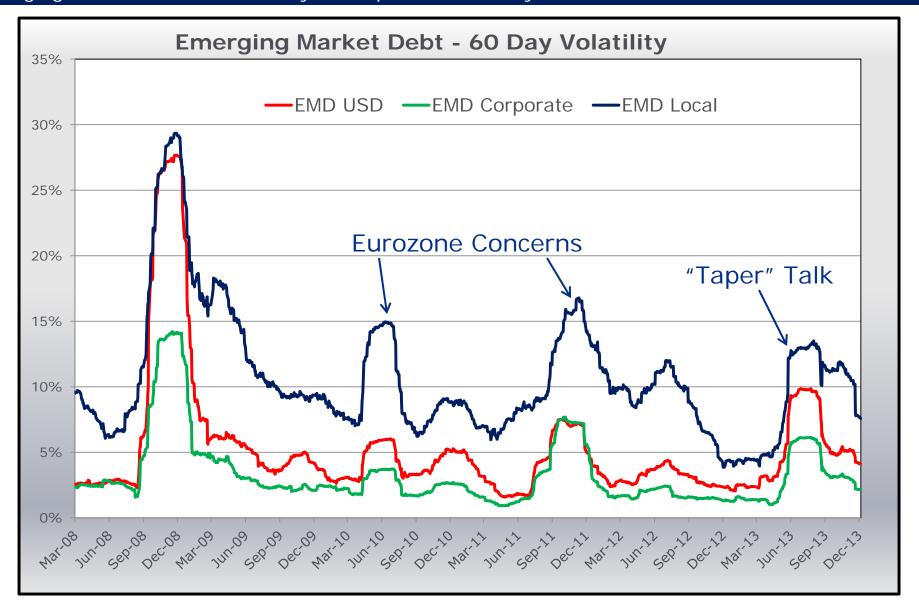


Source: Bloomberg

Source: Bloomberg

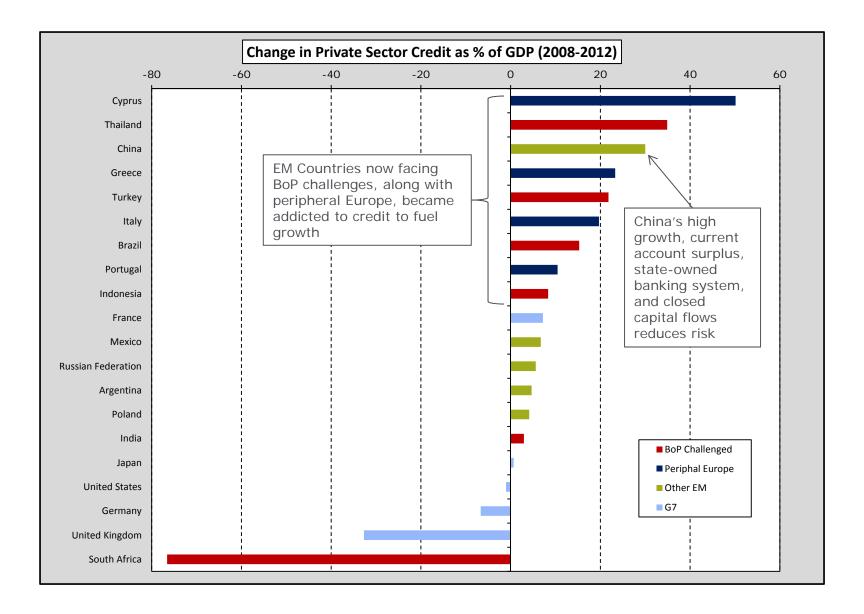


# Emerging Markets Debt Prone to Cyclical Spikes in Volatility Remains Elevated



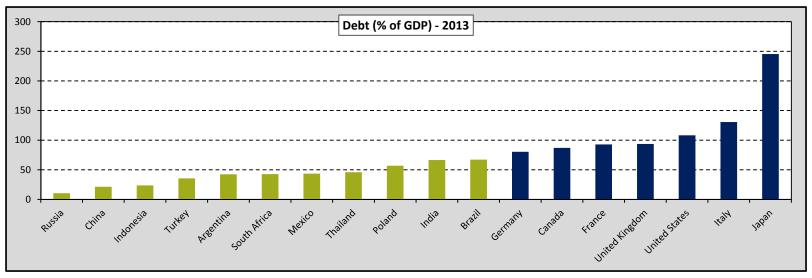


# Some Emerging Market Countries Dependent on Private Credit

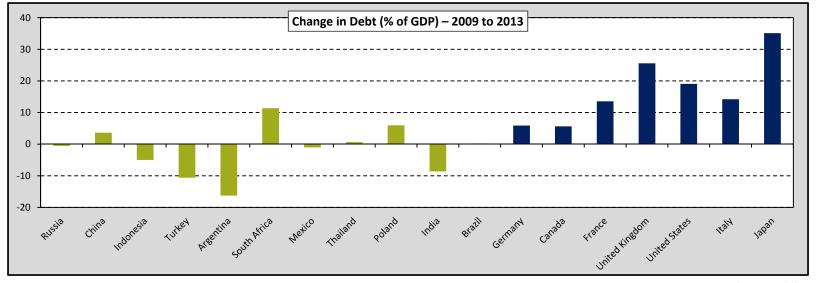




# Debt Levels in Emerging Markets Remain Well Below Most of the Developed World



Source: IMF



Source: IMF



Investing in Emerging Market Debt



# **Emerging Market Debt Investment Rationale**

- Relative to Domestic Fixed Income, EMD Improves diversification and provides a more comprehensive set of asset class opportunities
- With low rates and continued low cash forecasts over 5-7 years, risky assets including EMD are more attractive on a risk-adjusted basis
- EMD sovereign bond yields offer a positive real yield relative to developed markets
- Expect higher alpha opportunities relative to developed fixed income markets
  - Greater country dispersion within EMD allows for increased breadth of active views
- Improves diversification and may provide access to markets where emerging equities are not available



# **Emerging Market Debt Investable Universe**

#### Emerging Market Debt Investment Universe Introduces Several Broad Questions

- What is "Emerging"?
- What are the sectors or sub-categories included in the EMD umbrella?

#### What is an "Emerging" Country?

- No official definition exists, generally considered to be countries with a per-capita gross national income (GNI) less than \$12,195
- Over 100 nations representing over 80% of the world's population and combined GDP of \$27 trillion

# Total Debt Outstanding of Emerging Markets estimated to be \$13 Trillion

- Overwhelming majority of total debt is issued domestically, over \$9 trillion (Local Currency)
- Approximately \$4 trillion of debt issued externally, generally in USD or Euro (Hard Currency)

#### EMD Investment Universe for "Traditional" Investors estimated to be less than \$4 trillion

- Approximately half of total issuance issued as local currency debt



### EMD Universe Segmented into 3 Broad Categories

#### Local Currency Sovereign Debt

- Largest of the three EMD categories, investable universe of approximately \$2 trillion
- Defined as government debt issued in domestic currency

## Hard Currency Sovereign Debt

- First major EMD investable market for institutional investors
- Investable universe is approximately \$700 billion
- Issued predominately in USD

## Hard Currency Corporate Debt

- Fastest growing EMD category, investable universe approximately \$1 trillion
- Includes both investment grade and high yield EMD corporates
- Issued predominately in USD

#### • EMD Investment Universe – Reference Benchmark

- Broadly viewed EMD investment universe can be benchmarked on a market cap basis as approximately 50% Local Currency and 50% Hard Currency
- Hard Currency benchmarked on a market cap basis as approximately 50% sovereign and 50% corporate debt
- J.P Morgan is the primary provider of emerging market debt indices
- Indices attempt to define the EMD market but do not include inflation-linked bonds, smaller issuers, and less liquid securities in the universe



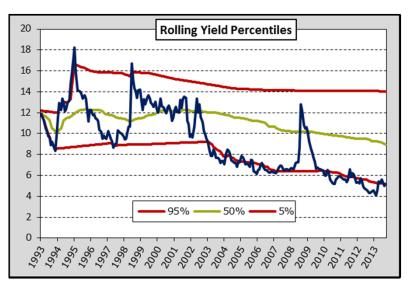
# Emerging Market Debt – Common Index Universe

Index Statistics	JPM EMBI Global Diversified	JPM GBI-EM Global Diversified	JPM CEMBI Broad Diversified
Index Composition	EM Sovereign Debt Hard Currency (\$)	EM Sovereign Debt Local Currency	EM Corporate Debt Hard Currency (\$)
Market Cap (\$ billion)	\$338	\$920	\$281
Number of Countries	61	16	42
Country Scope	EM Countries that issue debt in US dollars or in the Eurobond market	Excludes China and India, but includes Indonesia	EM corporates that issue debt in US dollars or in the Eurobond market
Country Criteria	Determined based upon security-level eligibility and liquidity profile	Accessible to a majority of foreign investors. Does not include markets with capital controls	Determined based upon security-level eligibility and liquidity profile
Instrument Criteria	Sovereign and quasi- sovereign issuers, current face amount greater than \$500 million and a remaining maturity of 12 months or more	Sovereign issuers, fixed coupon and remaining maturity of 13 months or more	Corporate issuers, current face amount greater than \$500 million and a remaining maturity of 36 months or more

Source: JP Morgan, as of 2/28/2014



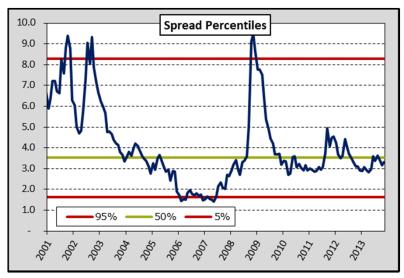
# Emerging Markets Debt (USD)



8 Duration / Market Size
7 Duration (Mod. Adj.)
6 Market Value (MM) (rhs)
5 4 800,000
4 400,000
2 400,000
0 200,000

Source: BarCap Live, NEPC as of 11/30

Source: BarCap Live as of 11/30

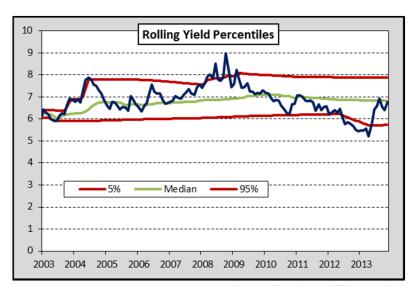


Source: BarCap Live, NEPC as of 11/30

- EM External Debt yields remain low versus history
- OAS also remains below historical medians
- Duration fell over a full year from year end 2012

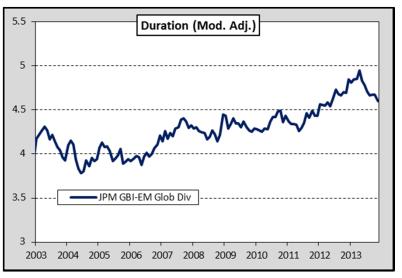


# Emerging Markets Debt (Local)



Source: Bloomberg, NEPC as 11/30



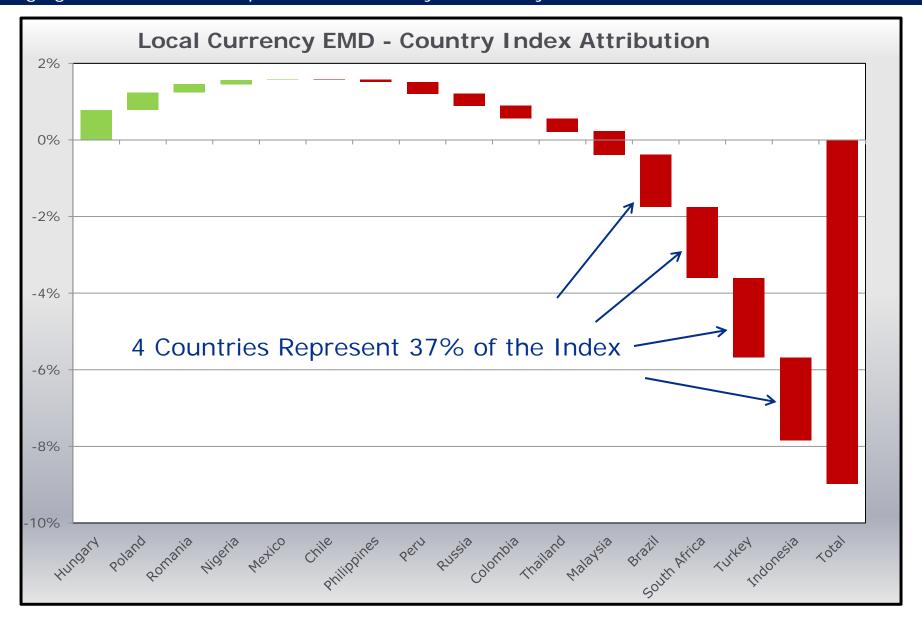


Source: Bloomberg as of 11/30

- Local currency EMD remains attractive on a fundamental basis
  - High yields and relatively low duration
- Unresolved country by country issues could drive currency volatility

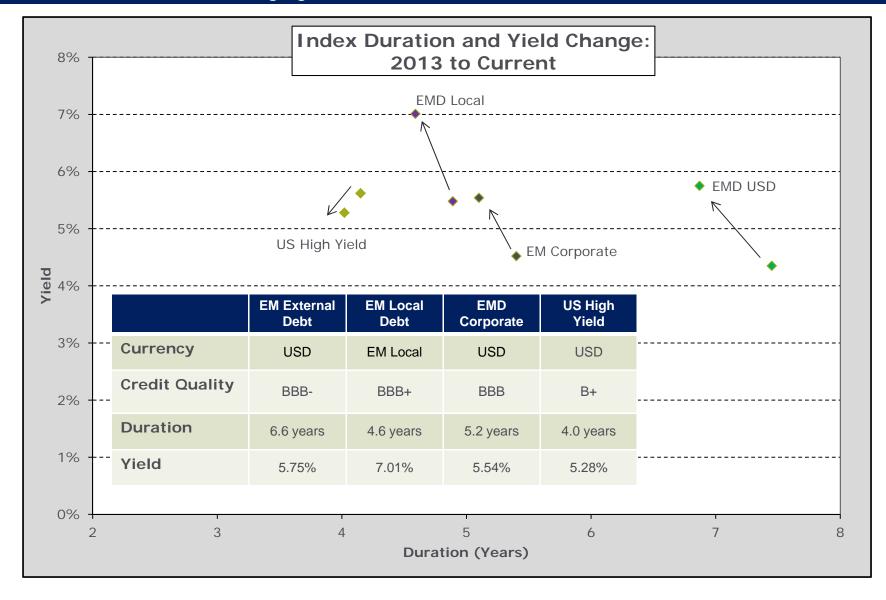


# Emerging Markets Debt – Importance of Country & Currency Selection





#### Duration and Yield Shift In Emerging Market Debt



Source: Barclays Live, JP Morgan, as of 2/28/2014



# Emerging Market Debt – Implementation Approaches

Implementation Approach	Pro	Con
Benchmark Relative: JPM EMBI Global Div.	<ul> <li>Relatively simple to measure vs. benchmark and to develop alpha and tracking error assumptions</li> <li>Investor able to maintain "beta" risk controls at Plan level</li> <li>Provides lower volatility with USD sovereign EMD</li> </ul>	<ul> <li>Degree of "false precision",         benchmark market size not a full         representation of EMD</li> <li>Static allocation to longer duration         USD sovereign EMD and US         interest rates</li> <li>Limits relative value opportunities         trades amongst local and hard         currency bonds</li> </ul>
Benchmark Relative: JPM GBI-EM Global Div.	<ul> <li>Preserves separation between USD denominated and local currency EMD</li> <li>Investor able to maintain "beta" risk controls at Plan level</li> <li>Provides yield and duration advantage relative to USD fixed income</li> <li>Potential to benefit from depreciation of U.S. dollar</li> </ul>	<ul> <li>Degree of "false precision", benchmark market size not a full representation of EMD</li> <li>Benchmark returns heavily influenced by small number of countries</li> <li>Higher volatility relative to USD sovereign EMD</li> </ul>
Blended Implementation: Includes larger EMD investment universe	<ul> <li>Provides tactical beta exposure to local currency, USD EM sovereign, and EM corporate bonds</li> <li>Manager able to fully exploit relative value opportunities amongst local and hard currency EMD and EM FX</li> <li>Increases number of alpha opportunities with active currency, country, and credit exposures</li> </ul>	<ul> <li>Fully relinquish tactical beta decisions to manager</li> <li>May generate significant benchmark deviations due to tactical allocation</li> <li>Need for risk controls based on total volatility and rather than tracking error levels</li> </ul>



#### Blended Emerging Market Debt Implementation Approach

- Potential Benchmark: 50% JPM GBI-EM Global Diversified, 25%
   JPM EMBI Global Diversified, and 25% JPM CEMBI
  - Or 50% JPM GBI-EM Global Div and 50% JPM EMBI Global Div

# Blended EMD Implementation better reflects a larger EMD investment universe

- Opportunity set includes local currency, corporates, hard currency sovereigns, and inflation-linked debt
- Provides a core allocation to local currency debt
- Ability to tactically allocate to undervalued EMD sectors and countries should market dislocations occur in the local currency, hard currency sovereign, and corporate debt markets
- Ability to hedge currency exposures and exploit relative value opportunities between dollar denominated and local currency interest rate and credit positions

#### • Consider a Blended EMD Implementation Approach

- Manager has tactical oversight regarding sovereign USD, corporate USD, and local currency EMD allocation
- Less benchmark sensitive approach, strategies can quickly implement tactical allocation decisions based on country and currency views
- More nuanced view on emerging markets is needed than in the past
  - Individual EM countries are likely to behave in a more idiosyncratic fashion
  - Sound active management can alleviate some of the macro challenges







### 2014 5-to-7 Year Return Forecasts

Geometric Expected Return								
Asset Class	2013	2014	2014-2013					
Cash	0.75%	1.50%	0.75%					
Treasuries	1.00%	2.00%	1.00%					
Long Treasuries	2.00%	3.00%	1.00%					
IG Corp Credit	3.00%	3.50%	0.50%					
MBS	2.50%	2.25%	-0.25%					
Core Bonds*	2.04%	2.53%	0.42%					
TIPS	1.50%	2.50%	1.00%					
High-Yield Bonds	5.00%	4.50%	-0.50%					
Bank Loans	5.00%	5.00%						
Global Bonds (Unhedged)	0.75%	1.25%	0.50%					
Global Bonds (Hedged)	0.93%	1.38%	0.45%					
EMD External	4.00%	5.00%	1.00%					
EMD Local Currency	5.00%	5.75%	0.75%					
Large Cap Equities	6.75%	6.25%	-0.50%					
Small/Mid Cap Equities	7.00%	6.25%	-0.75%					
Int'l Equities (Unhedged)	7.75%	7.25%	-0.50%					
Int'l Equities (Hedged)	8.00%	7.50%	-0.50%					
Emerging Int'l Equities	9.75%	9.50%	-0.25%					
Private Equity	9.00%	8.75%	-0.25%					
Private Debt	8.50%	8.00%	-0.50%					
Private Real Assets	8.00%	7.75%	-0.25%					
Real Estate (Core)	6.00%	6.25%	0.25%					
Commodities	5.00%	5.00%						
Hedge Funds	n/a	5.50%						



<sup>\*</sup> Core Bonds assumption based on market weighted blend of components of Aggregate Index (Treasuries, IG Corp Credit, and MBS).

### 2014 Volatility Forecasts

	Volatility		
Asset Class	2013	2014	2014-2013
Cash	1.00%	1.00%	
Treasuries	6.00%	6.00%	
Long Treasuries	12.00%	12.00%	
IG Corp Credit	7.50%	7.50%	
MBS	7.00%	7.00%	
Core Bonds*	6.31%	6.32%	0.01%
TIPS	7.50%	7.50%	
High-Yield Bonds	13.00%	13.00%	
Bank Loans	6.50%	8.00%	1.50%
Global Bonds (Unhedged)	9.00%	8.50%	-0.50%
Global Bonds (Hedged)	5.00%	5.00%	
EMD External	12.00%	12.00%	
EMD Local Currency	14.00%	15.00%	1.00%
Large Cap Equities	18.00%	17.50%	-0.50%
Small/Mid Cap Equities	21.00%	21.00%	
Int'l Equities (Unhedged)	21.00%	20.50%	-0.50%
Int'l Equities (Hedged)	19.00%	18.50%	-0.50%
Emerging Int'l Equities	26.00%	26.00%	
Private Equity	27.00%	27.00%	
Private Debt	19.00%	19.00%	
Private Real Assets	24.00%	23.00%	-1.00%
Real Estate (Core)	17.00%	17.00%	
Commodities	18.00%	18.00%	
Hedge Funds	n/a	9.00%	

Volatility defined as standard deviation of investment returns.



<sup>\*</sup> Core Bonds assumption based on market weighted blend of components of Aggregate Index (Treasuries, IG Corp Credit, and MBS).

# 2014 30-Year Return Forecasts

Geometric Expected Return									
Asset Class	2013	2014	2014-2013						
Cash	3.00%	3.75%	0.75%						
Treasuries	3.00%	4.00%	1.00%						
Long Treasuries	3.25%	4.25%	1.00%						
Credit	4.25%	5.25%	1.00%						
MBS	4.50%	4.25%	-0.25%						
Core Bonds *	3.84%	4.46%	0.62%						
TIPS	3.25%	4.50%	1.25%						
High-Yield Bonds	5.25%	6.00%	0.75%						
Bank Loans	5.50%	6.25%	0.75%						
Global Bonds (Unhedged)	2.50%	3.00%	0.50%						
Global Bonds (Hedged)	2.67%	3.13%	0.46%						
EMD External	6.00%	7.00%	1.00%						
EMD Local Currency	6.25%	7.25%	1.00%						
Large Cap Equities	8.00%	7.75%	-0.25%						
Small/Mid Cap Equities	8.25%	8.00%	-0.25%						
Int'l Equities (Unhedged)	8.25%	8.25%							
Int'l Equities (Hedged)	8.50%	8.48%	-0.02%						
Emerging Int'l Equities	9.50%	9.50%							
Private Equity	10.00%	9.75%	-0.25%						
Private Debt	8.00%	8.25%	0.25%						
Private Real Assets	8.00%	7.75%	-0.25%						
Real Estate (Core)	6.00%	6.50%	0.50%						
Commodities	5.50%	6.00%	0.50%						
Hedge Funds	n/a	7.00%							

<sup>\*</sup> Core Bonds assumption based on market weighted blend of components of Aggregate Index (Treasuries, IG Corp Credit, and MBS).



### 2014 Correlations

- Slight decrease in US vs. Non-US equities reflecting globally diverging economic condition/policies
- Several adjustments made to harmonize correlations across broad factors
  - Increasing Treasury correlations to EMD, HY, Munis
  - Decreasing TIPS correlations
  - Greater differentiation between EMD external and local
  - Broad increases in alternative/illiquid asset classes to risky assets

			IG				Glob	Glob					Intl	Intl				Priv	Real			
			Corp				Bonds	Bonds	EMD	EMD	Large	Sm/Mid	Equities	Equities	Emerging	Private	Private	Real	Estate		Hedge	Long
Asset Class	Cash	Treas	Credit	MBS	TIPS	HY	(U)	(H)	(Ext)	(Loc)	Cap	Cap	(U)	(H)	Equities	Equity	Debt	Assets	(Core)	Comm	Funds	Treas
Cash	1.00																					
Treasuries	0.20	1.00																				
IG Corp Credit	0.10	0.75	1.00																			
MBS	0.25	0.90	0.80	1.00																		
TIPS	0.00	0.75	0.60	0.70	1.00																	
High-Yield Bonds	-0.05	0.30	0.55	0.30	0.20	1.00																
Global Bonds (Unhedged)	0.10	0.50	0.50	0.45	0.40	0.10	1.00															
Global Bonds (Hedged)	0.10	0.80	0.65	0.70	0.65	0.20	0.60	1.00														
EMD (External)	0.05	0.40	0.65	0.35	0.30	0.65	0.25	0.35	1.00													
EMD (Local Currency)	0.05	0.30	0.60	0.25	0.25	0.60	0.30	0.25	0.80	1.00												
Large Cap Equities	0.05	0.05	0.55	0.15	0.00	0.70	0.10	0.05	0.60	0.65	1.00											
Small/Mid Cap Equities	-0.05	-0.05	0.35	0.05	-0.10	0.70	0.00	-0.05	0.55	0.60	0.90	1.00										
Int'l Equities (Unhedged)	-0.10	0.00	0.30	0.05	-0.05	0.50	0.40	0.25	0.60	0.65	0.70	0.60	1.00									
Int'l Equities (Hedged)	-0.10	0.00	0.30	0.05	-0.05	0.50	0.30	0.40	0.60	0.65	0.75	0.65	0.90	1.00								<u> </u>
Emerging Int'l Equities	-0.10	-0.10	0.25	-0.10	-0.10	0.55	0.05	0.05	0.75	0.80	0.60	0.65	0.70	0.70	1.00							
Private Equity	-0.10	-0.05	0.20	0.00	-0.10	0.60	-0.10	-0.10	0.35	0.40	0.70	0.80	0.60	0.65	0.45	1.00						
Private Debt	0.00	-0.25	0.15	-0.15	-0.10	0.65	-0.10	-0.10	0.55	0.60	0.65	0.75	0.60	0.60	0.65	0.65	1.00					
Private Real Assets	0.15	-0.20	0.05	-0.15	0.00	0.40	-0.05	-0.05	0.40	0.40	0.55	0.60	0.50	0.50	0.50	0.65	0.60	1.00				
Real Estate (Core)	0.25	-0.05	0.05	-0.05	0.00	0.10	0.00	-0.05	0.10	0.10	0.35	0.25	0.30	0.30	0.15	0.35	0.25	0.40	1.00			
Commodities	0.10	-0.10	0.10	-0.10	0.30	0.20	0.10	0.10	0.35	0.45	0.30	0.30	0.35	0.35	0.40	0.25	0.30	0.45	0.30	1.00		
Hedge Funds	0.00	-0.20	0.35	-0.15	0.20	0.60	0.05	-0.30	0.55	0.60	0.60	0.65	0.70	0.65	0.70	0.75	0.80	0.65	0.25	0.50	1.00	
Long Treasuries	0.10	0.90	0.80	0.75	0.65	0.20	0.50	0.85	0.15	0.15	-0.10	-0.20	-0.15	-0.15	-0.20	-0.20	-0.40	-0.25	-0.05	-0.05	-0.25	1.00



V. Comptroller's Office EM/MWBE 2014 Plan (Discussion):

### **APPENDICES**:

Basket Clause

FIRE - BASKET/NON BASKET SUMMARY

As of January 31st, 2014 **Adjusted Fund Policy** Fund Actual (PE & RE on an invested basis) Non Non **Equity** Basket\* Basket\* **Total** Basket\* Basket\* **Total Domestic Equity** 30.9% 0.0% 30.9% 36.6% 0.0% 36.6% Non-U.S. Equity 10.0% 6.6% 16.6% 10.0% 5.8% 15.8% **Private Equity** 0.0% 6.5% 6.5% 0.0% 6.5% 6.5% **Real Assets** 3.7% 0.0% 3.7% 3.7% 0.0% 3.7% REITS 2.8% 0.2% 3.0% 3.1% 0.2%3.3% **Hedge Funds** 0.0% 3.3% 3.3% 0.0% 3.3% 3.3% **Total Equity** 47.4% 16.6% 64.0% 53.4% 15.8% 69.2% **Fixed Income** Core+5 22.0% 0.5% 22.5% 16.2% 0.5% 17.0% 4.1% 0.0% 4.1% 2.1% 0.0% 2.1% U.S. Gov't Sector Mortgage Sector 8.8% 0.0% 8.8% 6.6% 0.0% 6.6% Credit Sector 0.5% 7.9% 9.1% 0.5% 9.6% 7.4% **High Yield** 2.9% 0.8% 3.7% 3.2% 0.8% 4.0% **Bank Loans** 0.0% 1.7% 1.7% 0.0% 1.7% 1.7% TIPS 0.5% 4.5% 5.0% 2.7% 0.3% 3.0% Convertibles 1.0% 0.0% 1.0% 0.5% 0.0% 0.5% **Opportunistic** 0.0% 2.1% 2.1% 0.0% 2.1% 2.1% **Other Fixed Income** 0.0% 0.0% 0.0% 2.6% 0.0% 2.6% **Total Fixed Income** 30.4% 5.6% 36.0% 25.1% 5.4% 30.8% **Total Fund** 77.8% 78.4% 22.2% 100.0% 21.2% 100.0%

**Remaining Capacity** 

2.8%

3.8%

Liquidity Analysis

#### 3/12/14

#### FIRE Liquidity Profile - Static Analysis

AUM as of January 31, 2014

	Current MV	Today	1 Year	2 Years
Domestic Equity	\$3,639	\$3,639	\$3,639	\$3,639
International Equity	974	974	974	974
<b>Emerging Markets</b>	599	599	599	599
Hedge Funds	328	0	239	279
REITS	329	329	329	329
Private Equity	642	0	0	0
Private Real Estate	363	0	0	0
Core + 5	1,693	1,693	1,693	1,693
TIPS	294	294	294	294
Opportunistic Fixed Income	210	158	210	210
Enhanced Yield	393	393	393	393
Bank Loans	173	173	173	173
Convertible Bonds	51	51	51	51
ETI	60	15	56	57
Cash	190	190	190	190
Total Assets	\$9,938	\$8,508	\$8,840	\$8,882
Total Illiquid \$ Total Illiquid %		\$1,430 14.4%	\$1,098 11.0%	\$1,056 10.6%
Unfunded PE Commitments Unfunded RE Commitments Unfunded OFI Commitments Total commitments \$ Total commitments %	\$452 85 84 \$621 6.2%			

#### **FIRE Liquidity Profile - Static Analysis**

3/12/14

AUM as of January 31, 2014

<b>Denominator Effect -</b>	Decrease A	AUM by	One-Third
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 Total Illiquid \$
 \$1,430
 \$1,098
 \$1,056

 Total Illiquid %
 21.6%
 16.6%
 15.9%

Note: Assumes zero realizations, no new commitments and a five-year investment period; funded out of liquids

		L	iquid Assets	
	Current MV	Today	1 Year	2 Years
Total Assets	\$9,938	\$8,508	\$8,840	\$8,882
Private Equity, Real Estate and Opp	ortunistic Fixed	Income Stress C	ase	
Unfunded PE Commitments Drawn			\$90	\$181
Unfunded RE Commitments Drawn			17	34
Unfunded OFI Commitments Drawn			42	0
Total commitments \$		_	\$149	\$215
Total commitments %		- -	1.5%	2.2%
Total Illiquid \$			\$1,247	\$1,271
Total Illiquid %			12.5%	12.8%
Note: Assumes zero realizations, no new comm	nitments and a five-ye	ar investment period;	funded out of liquids	
Denominator Effect - Decrease AUM	by One-Third			
Total Illiquid \$	-	\$1,430	\$1,247	\$1,271

 Total Illiquid \$
 \$1,430
 \$1,247
 \$1,271

 Total Illiquid %
 21.6%
 18.8%
 19.2%

Note: Assumes zero realizations, no new commitments and a five-year investment period; funded out of liquids