



Comparative Performance Analysis Report

City of New Haven Police and Fire Retirement Fund

Presented by: Dave Moran
April 2020

RAYMOND JAMES

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Market Performance

As of April 30, 2020

Name	Apr-20	YTD	1 Yr	3 Yrs	5 Yrs	10 Yrs
US Equity						
Russell 3000	13.24	-10.42	-1.04	8.02	8.33	11.29
S&P 500	12.82	-9.29	0.86	9.04	9.12	11.69
Russell 1000	13.21	-9.68	0.09	8.68	8.74	11.57
Russell 1000 Growth	14.80	-1.39	10.84	15.69	13.34	14.41
Russell 1000 Value	11.24	-18.49	-11.01	1.42	3.90	8.54
Russell MidCap	14.36	-16.60	-10.00	3.46	4.81	9.83
Russell 2000	13.74	-21.08	-16.39	-0.82	2.88	7.69
Russell 2000 Growth	14.89	-14.71	-9.22	4.21	5.19	9.96
Russell 2000 Value	12.34	-27.72	-23.84	-6.06	0.30	5.30
International Equity						
MSCI ACWI	10.71	-12.94	-4.96	4.46	4.37	6.94
MSCI World ex USA	6.97	-17.91	-11.47	-0.55	-0.27	3.28
MSCI EAFE	6.46	-17.84	-11.34	-0.58	-0.17	3.55
MSCI Emerging Markets	9.16	-16.60	-12.00	0.57	-0.10	1.45
Fixed Income						
91 Day T-Bills	0.01	0.38	1.66	1.70	1.13	0.59
BBgBarc US Aggregate TR	1.78	4.98	10.84	5.17	3.80	3.96
BBgBarc US Govt/Credit TR	2.23	5.67	12.21	5.66	4.11	4.25
BBgBarc US Municipal TR	-1.26	-1.88	2.16	3.27	3.04	3.89
BBgBarc US High Yield TR	4.51	-8.75	-4.11	1.87	3.44	5.86
FTSE WGBI TR	1.19	3.22	7.97	4.24	2.98	2.35
FTSE WGBI ex US TR	1.51	-0.40	3.99	3.10	2.32	1.62
Real Estate						
FTSE NAREIT All REIT	9.06	-18.67	-10.69	1.79	4.24	8.47
NCREIF Property Index	0.00	0.71	5.28	6.41	7.65	10.17
Alternatives						
HFRI Fund of Funds Composite Index	3.64	-5.47	-2.92	0.99	0.67	2.02
Inflation						
Consumer Price Index	-0.67	-0.23	0.33	1.59	1.62	1.63

New Haven Police & Fire Pension Investment Analysis

New Haven Police & Fire Pension

New Haven Police & Fire Pension Performance

As of April 30, 2020

	Market Value (\$)	% of Portfolio	1 Mo (%)	3 Mo (%)	YTD (%)	1 Yr (%)	Inception (%)	Inception Date
New Haven Police & Fire Pension	304,118,785	100.00	7.45	-8.80	-9.34	-4.67	4.33	Jan-19
<i>Police & Fire Policy Benchmark</i>			8.47	-9.79	-10.40	-4.25	5.37	Jan-19
<i>Police & Fire Composite Benchmark</i>			7.63	-11.14	-12.14	-7.03	2.55	Jan-19
Police & Fire Domestic Equity	101,699,016	33.44	12.37	-13.28	-15.01	-16.40	-2.79	Jan-19
Police & Fire Large Cap Equity	40,425,721	13.29	12.40	-5.69	-7.71	5.48	4.39	Jan-19
Seizert Capital Partners LC - 3966T203	30,998,764	10.19	12.20	-5.63	-7.65	5.54	4.43	Jan-19
<i>S&P 500 Price</i>			12.68	-9.71	-9.85	-1.13	11.90	Jan-19
Aristotle LCV - 70004982	9,426,957	3.10	13.07	-5.82	--	--	-5.82	Feb-20
<i>Russell 1000 Value</i>			11.24	-16.70	--	--	-16.70	Feb-20
Police & Fire Mid Cap Equity	33,482,493	11.01	10.17	-16.36	-17.72	-9.93	7.83	Jan-19
Cooke & Bieler MCV - 399AT397	19,877,981	6.54	13.07	-22.40	-24.21	-15.13	3.42	Jan-19
<i>S&P 400 MidCap Value</i>			14.34	-22.59	-25.78	-21.67	-4.86	Jan-19
Mutual of USA MC -544VA024	13,560,712	4.46	12.66	-14.17	-14.58	-9.79	7.53	Jan-19
<i>Russell MidCap</i>			14.36	-15.92	-16.60	-10.00	6.58	Jan-19
BCS Buffered MidCap - 590JM050	1,774	0.00	-0.02	--	--	--	0.00	Mar-20
<i>Russell MidCap</i>			14.36	--	--	--	-7.93	Mar-20
S&P 400 Mid Cap Growth - 553DR891	42,026	0.01	0.29	-0.73	-0.80	-2.15	-0.90	Jan-19
<i>S&P 400 MidCap Growth</i>			14.04	-13.10	-14.15	-8.71	6.25	Jan-19
Police & Fire Small Cap	27,790,802	9.14	15.77	-17.85	-19.76	-36.88	-18.44	Jan-19
ClearBridge SCG - 732TU135	10,669,999	3.51	16.27	-11.95	-11.76	-7.42	8.29	Jan-19
<i>Russell 2000 Growth</i>			14.89	-13.76	-14.71	-9.22	7.11	Jan-19
Cooke & Bieler SCV - 8854W967	9,470,770	3.11	16.49	-21.55	-24.16	-14.53	2.33	Jan-19
<i>Russell 2000 Value</i>			12.34	-23.60	-27.72	-23.84	-8.79	Jan-19
Channing Cap Asset Mgmt SC - 864RF210	7,650,032	2.52	14.22	-20.64	-23.92	-64.34	-46.72	Jan-19
<i>Russell 2000</i>			13.74	-18.47	-21.08	-16.39	-0.71	Jan-19

New Haven Police & Fire Pension

New Haven Police & Fire Pension Performance

As of April 30, 2020

	Market Value (\$)	% of Portfolio	1 Mo (%)	3 Mo (%)	YTD (%)	1 Yr (%)	Inception (%)	Inception Date
Police & Fire Intl Equity	52,994,273	17.43	7.60	-10.51	-11.46	-4.38	1.56	Jan-19
WCM Intl Equity - 436U1020	15,340,466	5.04	9.06	-8.85	-9.67	5.47	18.92	Jan-19
<i>MSCI EAFE</i>			6.46	-16.09	-17.84	-11.34	0.18	Jan-19
HSBC Trigger Plus on EEM --5950W108	9,590,350	3.15	9.20	-9.81	-10.56	-9.51	0.65	Jan-19
<i>MSCI Emerging Markets</i>			9.16	-12.53	-16.60	-12.00	-0.92	Jan-19
Lazard Intl Equity - 2349N866	6,083,458	2.00	6.70	-17.14	-18.64	-13.15	-1.69	Jan-19
<i>MSCI Emerging Markets</i>			9.16	-12.53	-16.60	-12.00	-0.92	Jan-19
BCS Buffered Plus on EEM -105LK487	4,390,000	1.44	5.88	-1.50	--	--	-1.50	Feb-20
<i>MSCI Emerging Markets</i>			9.16	-12.53	--	--	-12.53	Feb-20
CITI Partial Principle Europe - 317R5235	17,590,000	5.78	6.26	-12.69	--	--	-12.69	Feb-20
<i>MSCI Europe</i>			5.93	-17.78	--	--	-17.78	Feb-20
Police & Fire Fixed Income	53,239,643	17.51	1.58	0.12	1.65	9.53	10.96	Jan-19
Police & Fire US Fixed Income	53,239,643	17.51	1.58	0.12	1.65	9.53	10.96	Jan-19
Western Asset Active Bond - 798K9258	14,540,175	4.78	2.15	--	--	--	0.66	Mar-20
<i>BBgBarc US Aggregate TR</i>			1.78	--	--	--	1.18	Mar-20
Mutual of America FI - 514L9777	12,163,665	4.00	1.23	3.48	5.37	10.76	10.32	Jan-19
<i>BBgBarc US Aggregate TR</i>			1.78	3.00	4.98	10.84	10.42	Jan-19
Cincinnati Asset Mgmt Broad Mkt -755HP466	11,576,829	3.81	3.70	-3.08	-1.88	8.39	11.70	Jan-19
<i>BBgBarc US Aggregate TR</i>			1.78	3.00	4.98	10.84	10.42	Jan-19
Atalanta - 882V4828	14,958,974	4.92	--	--	--	--	-0.27	Apr-20

New Haven Police & Fire Pension

New Haven Police & Fire Pension Performance

As of April 30, 2020

	Market Value (\$)	% of Portfolio	1 Mo (%)	3 Mo (%)	YTD (%)	1 Yr (%)	Inception (%)	Inception Date
Police & Fire Cash	10,172,391	3.34	-0.04	0.16	0.02	0.47	0.53	Jan-19
CASH - 489X3401	7,290,383	2.40	-0.02	--	--	--	-0.02	Mar-20
FTSE T-Bill 3 Months TR			0.08	--	--	--	0.21	Mar-20
PF Israel State Jubilee - 70001205	997,564	0.33	-0.24	0.13	-0.16	-0.13	0.06	Jan-19
FTSE T-Bill 3 Months TR			0.08	0.33	0.47	1.92	2.04	Jan-19
Northern Trust Cash	1,884,443	0.62	-0.05	--	--	--	-0.11	Mar-20
FTSE T-Bill 3 Months TR			0.08	--	--	--	0.21	Mar-20
Police & Fire Alternatives	86,013,461	28.28	0.00	0.14	0.21	2.36	3.09	Jan-19
Police & Fire Real Estate	29,892,110	9.83	0.00	0.06	0.18	1.43	1.63	Jan-19
PF US RE Investment Fund - 70001209	13,510,637	4.44	0.00	0.00	0.00	-5.48	-3.56	Jan-19
Dow Jones Global Real Estate TR USD			7.70	-20.69	-20.84	-15.53	-3.18	Jan-19
PF Terracap RE - 70002419	6,681,120	2.20	0.00	0.00	0.00	--	0.00	Jan-20
Dow Jones Global Real Estate TR USD			7.70	-20.69	-20.84	--	-20.84	Jan-20
PF WLR Partnerships - 700001340	2,750,567	0.90	0.00	0.11	0.32	17.64	13.39	Jan-19
Dow Jones Global Real Estate TR USD			7.70	-20.69	-20.84	-15.53	-3.18	Jan-19
PF Harbert US RE Fund V LP - 70001341	3,814,569	1.25	0.00	0.00	0.00	--	0.00	Jan-20
Dow Jones Global Real Estate TR USD			7.70	-20.69	-20.84	--	-20.84	Jan-20
PF Harbert US RE Fund IV LLC - 70001208	259,275	0.09	0.00	0.03	0.08	--	0.08	Jan-20
Dow Jones Global Real Estate TR USD			7.70	-20.69	-20.84	--	-20.84	Jan-20
PF Harbert RE Fund III LLC - 70001207	240,747	0.08	0.00	0.04	0.09	--	0.09	Jan-20
Dow Jones Global Real Estate TR USD			7.70	-20.69	-20.84	--	-20.84	Jan-20
PF Eagle Rock Hedge Fund - 70001204	2,635,196	0.87	0.00	0.00	0.00	-0.32	0.51	Jan-19
Dow Jones Global Real Estate TR USD			7.70	-20.69	-20.84	-15.53	-3.18	Jan-19

New Haven Police & Fire Pension

New Haven Police & Fire Pension Performance

As of April 30, 2020

	Market Value (\$)	% of Portfolio	1 Mo (%)	3 Mo (%)	YTD (%)	1 Yr (%)	Inception (%)	Inception Date
Police & Fire Private Equity	30,860,315	10.15	0.00	0.39	0.39	4.34	9.00	Jan-19
PF Landmark Growth Capital Partners LP - 70001211	8,339,527	2.74	0.00	0.00	0.00	3.28	2.12	Jan-19
<i>HFRI Event-Driven (Total) Index</i>			5.26	-10.11	-10.63	-8.86	-2.97	Jan-19
PF Ironside Investment Fund III - 70001975	3,956,163	1.30	0.00	0.00	0.00	8.38	6.29	Jan-19
<i>HFRI Event-Driven (Total) Index</i>			5.26	-10.11	-10.63	-8.86	-2.97	Jan-19
PF Invesco Mortgage Recovery Fund II - 70001997	3,719,234	1.22	0.00	0.00	0.00	8.38	6.29	Jan-19
<i>HFRI Event-Driven (Total) Index</i>			5.26	-10.11	-10.63	-8.86	-2.97	Jan-19
PF Ironside Partnership III - 70001974	3,201,805	1.05	0.00	4.07	4.07	7.10	5.28	Jan-19
<i>HFRI Event-Driven (Total) Index</i>			5.26	-10.11	-10.63	-8.86	-2.97	Jan-19
PF Ironside Direct Investment Fund V LP - 70004197	2,514,528	0.83	0.00	0.00	0.00	-1.67	-1.54	Apr-19
<i>HFRI Event-Driven (Total) Index</i>			5.26	-10.11	-10.63	-8.86	-7.19	Apr-19
PF Invesco Partnership Fund V LP - 70001215	2,481,254	0.82	0.00	0.01	0.02	-7.57	-5.70	Jan-19
<i>HFRI Event-Driven (Total) Index</i>			5.26	-10.11	-10.63	-8.86	-2.97	Jan-19
PF Capital Point Partners LP - 70001213	1,979,838	0.65	0.00	0.00	0.01	0.03	0.03	Jan-19
<i>HFRI Event-Driven (Total) Index</i>			5.26	-10.11	-10.63	-8.86	-2.97	Jan-19
PF Oak Hill Capital Partners III - 70001216	1,933,833	0.64	0.00	0.00	0.01	59.42	70.25	Jan-19
<i>HFRI Event-Driven (Total) Index</i>			5.26	-10.11	-10.63	-8.86	-2.97	Jan-19
PF Chart Capital Partners II LP - 70001217	1,122,172	0.37	0.00	0.00	0.01	-3.34	-3.34	May-19
<i>HFRI Event-Driven (Total) Index</i>			5.26	-10.11	-10.63	-8.86	-8.86	May-19
PF Invesco MRTG Recovery Loan AIV Fund LP - 70001220	814,313	0.27	0.00	0.01	0.03	0.08	0.48	Jan-19
<i>HFRI Event-Driven (Total) Index</i>			5.26	-10.11	-10.63	-8.86	-2.97	Jan-19
PF Capital Point Partners II - 70001214	660,646	0.22	0.00	0.01	0.03	-14.67	-16.82	Jan-19
<i>HFRI Event-Driven (Total) Index</i>			5.26	-10.11	-10.63	-8.86	-2.97	Jan-19
PF Northstar Mezzanine Growth Capital Partners - 700001212	137,000	0.05	0.00	0.06	0.15	4.98	3.45	Jan-19
<i>HFRI Event-Driven (Total) Index</i>			5.26	-10.11	-10.63	-8.86	-2.97	Jan-19

New Haven Police & Fire Pension

New Haven Police & Fire Pension Performance

As of April 30, 2020

	Market Value (\$)	% of Portfolio	1 Mo (%)	3 Mo (%)	YTD (%)	1 Yr (%)	Inception (%)	Inception Date
Police & Fire Hedge Fund	25,261,036	8.31	0.00	0.00	0.00	3.91	0.11	Jan-19
PF Alkeon Growth Offshore Ltd - 70002123	15,896,977	5.23	0.00	0.00	0.00	0.00	-4.72	Jan-19
HFRI Equity Hedge (Total) Index			6.99	-7.07	-7.96	-4.31	3.47	Jan-19
PF Grayco Alt Partners I LP - 70001218	9,364,058	3.08	0.00	0.00	0.00	11.29	8.35	Jan-19
HFRI Fund of Funds Composite Index			3.64	-5.74	-5.47	-2.92	1.84	Jan-19

- Police & Fire Policy Benchmark = 9% S&P 500 + 300 bp / 12.5% Russell 1000 / 10% S&P 400 MidCap / 10% Russell 2000 / 15% MSCI ACWI ex USA / 20% BBgBarc US Aggregate TR / 10% HFRI Event-Driven (Total) Index / 6% Dow Jones Global Real Estate TR USD / 4% HFRI ED: Special Situations Index / 3.5% FTSE T-Bill 3 Months TR

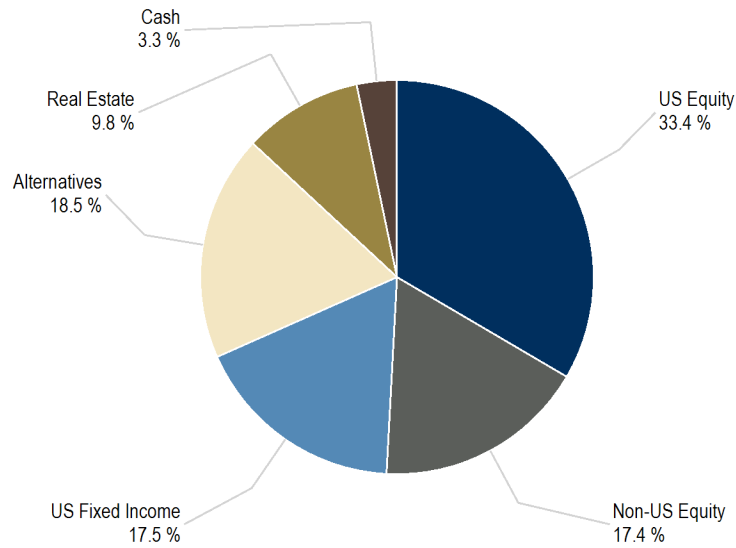
- Police & Fire Composite Benchmark = 8.5% S&P 500 / 3% Russell 1000 Value / 8% S&P 400 MidCap / 6% S&P 400 MidCap Value / 2.5% Russell 2000 / 3% Russell 2000 Growth / 3% Russell 2000 Value / 6% MSCI Europe / 6% MSCI Emerging Markets / 13% BBgBarc US Aggregate TR / 10% HFRI Fund of Funds Composite Index / 9% Dow Jones Global Real Estate TR USD / 10% HFRI Event-Driven (Total) Index / 7% FTSE T-Bill 3 Months TR / 5% MSCI EAFE

-All Alternative data taken from 3rd party sources..

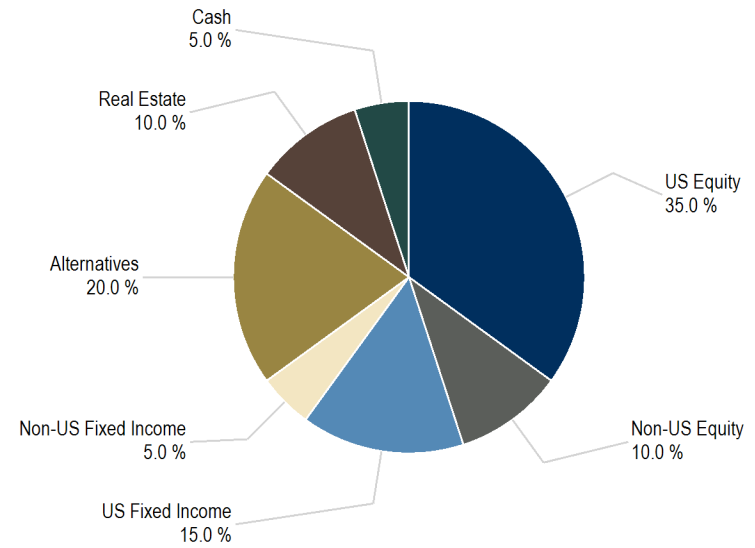
New Haven Police & Fire Pension Allocation

As of April 30, 2020

Current Allocation



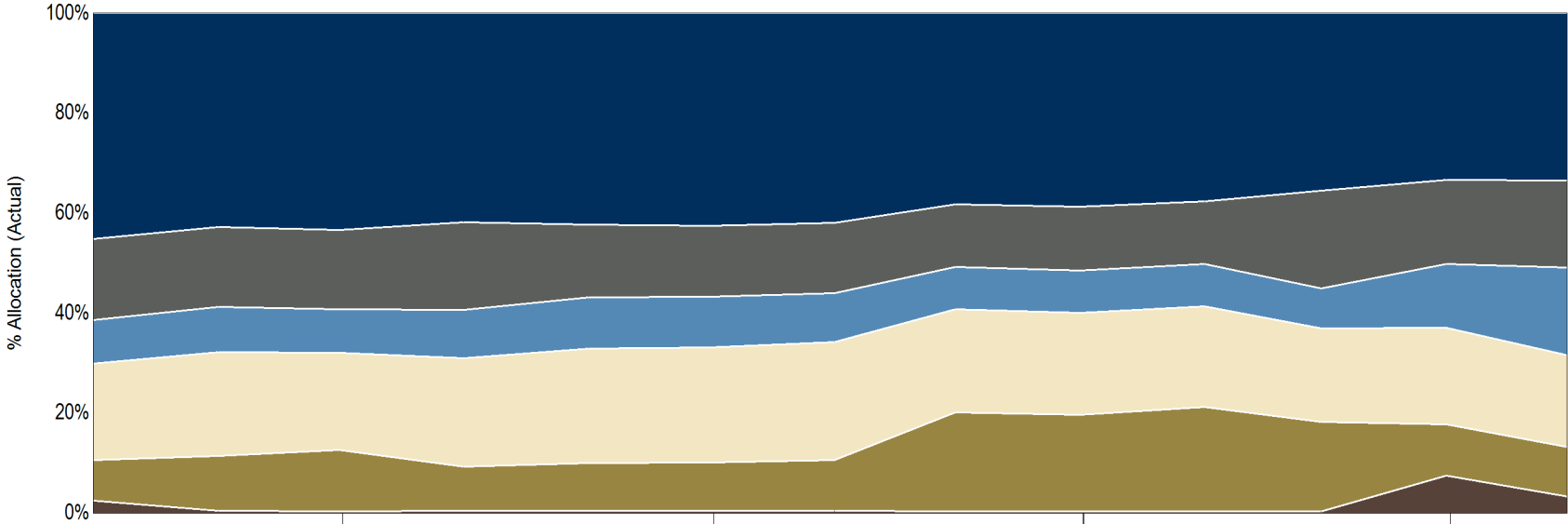
Target Allocation



Allocation vs. Targets and Policy

	Current Balance	Current Allocation	Target	Difference	Target Range	Within IPS Range?
US Equity	\$101,699,016	33.4%	35.0%	-\$4,742,558	25.0% - 45.0%	Yes
Non-US Equity	\$52,994,273	17.4%	10.0%	\$22,582,395	0.0% - 20.0%	Yes
US Fixed Income	\$53,239,643	17.5%	15.0%	\$7,621,825	5.0% - 25.0%	Yes
Non-US Fixed Income	--	--	5.0%	-\$15,205,939	0.0% - 10.0%	Yes
Alternatives	\$56,121,351	18.5%	20.0%	-\$4,702,406	10.0% - 30.0%	Yes
Real Estate	\$29,892,110	9.8%	10.0%	-\$519,768	5.0% - 15.0%	Yes
Cash	\$10,172,391	3.3%	5.0%	-\$5,033,548	0.0% - 10.0%	Yes
Total	\$304,118,785	100.0%	100.0%			

Asset Allocation History
1 Year Ending April 30, 2020



2019

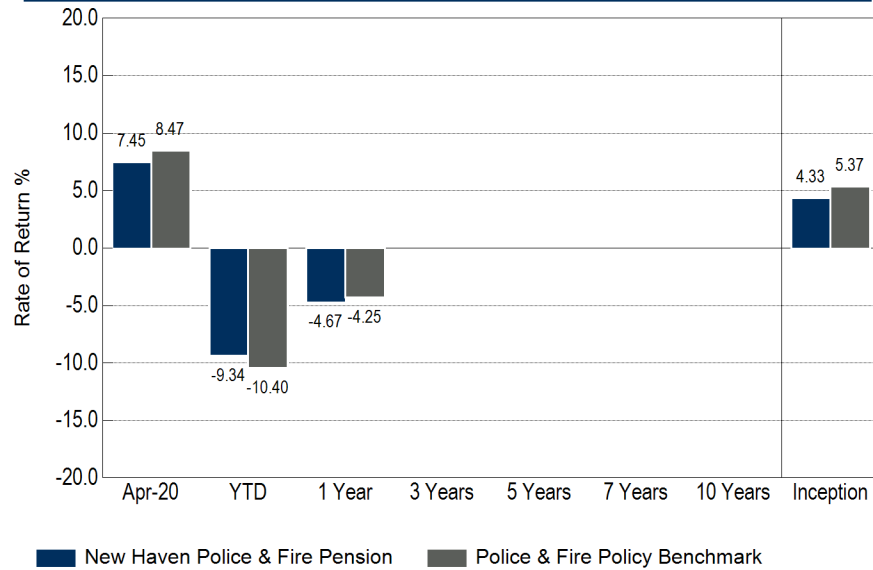
	42.5	38.7	33.3		
	14.2	12.8	16.9		
	10.1	8.4	12.8		
	23.0	20.4	19.3		
	9.7	19.3	10.2		
	0.4	0.4	7.5		

US Equity
 Non-US Equity
 US Fixed Income
 Alternatives
 Real Estate
 Cash

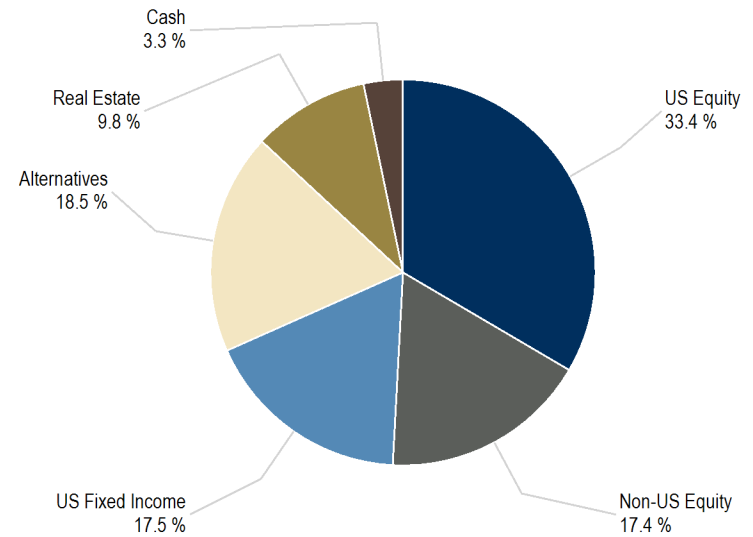
New Haven Police & Fire Pension Performance

As of April 30, 2020

Return Summary (%)



Current Allocation



Summary of Cash Flows

	Last Month	Year-To-Date
Beginning Market Value	\$306,913,064	\$286,239,601
Contributions	\$8,069,204	\$15,801,083
Withdrawals	-\$27,595,280	-\$73,817,441
Net Cash Flow	-\$19,526,076	-\$58,016,359
Net Investment Change	\$16,387,615	\$75,551,360
Ending Market Value	\$303,774,603	\$303,774,603
Net Change	-\$3,138,461	\$17,535,002

New Haven Police & Fire Pension

As of April 30, 2020

Asset Allocation by Manager

As Of April 30, 2020

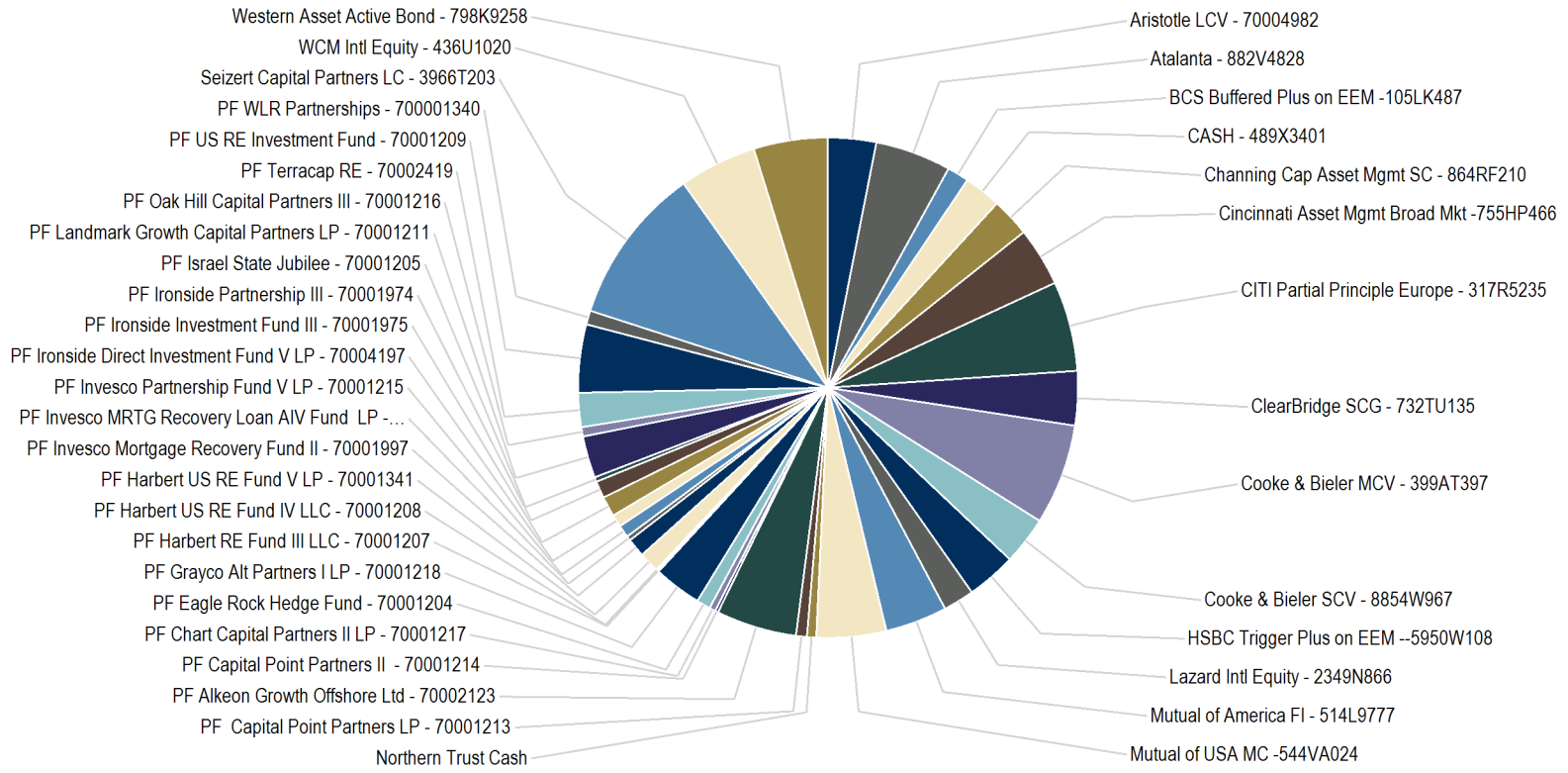
	Total Market Value	% of Portfolio	US Equity	Non-US Equity	US Fixed Income	Alternatives	Real Estate	Cash
Police & Fire Domestic Equity								
Police & Fire Large Cap Equity								
Seizert Capital Partners LC - 3966T203	\$30,998,764	10.2%	\$30,998,764					
Aristotle LCV - 70004982	\$9,426,957	3.1%	\$9,426,957					
Police & Fire Mid Cap Equity								
Cooke & Bieler MCV - 399AT397	\$19,877,981	6.5%	\$19,877,981					
Mutual of USA MC -544VA024	\$13,560,712	4.5%	\$13,560,712					
BCS Buffered MidCap - 590JM050	\$1,774	0.0%	\$1,774					
S&P 400 Mid Cap Growth - 553DR891	\$42,026	0.0%	\$42,026					
Police & Fire Small Cap								
ClearBridge SCG - 732TU135	\$10,669,999	3.5%	\$10,669,999					
Cooke & Bieler SCV - 8854W967	\$9,470,770	3.1%	\$9,470,770					
Channing Cap Asset Mgmt SC - 864RF210	\$7,650,032	2.5%	\$7,650,032					
Police & Fire Intl Equity								
WCM Intl Equity - 436U1020	\$15,340,466	5.0%		\$15,340,466				
HSBC Trigger Plus on EEM --5950W108	\$9,590,350	3.2%		\$9,590,350				
Lazard Intl Equity - 2349N866	\$6,083,458	2.0%		\$6,083,458				
BCS Buffered Plus on EEM -105LK487	\$4,390,000	1.4%		\$4,390,000				
CITI Partial Principle Europe - 317R5235	\$17,590,000	5.8%		\$17,590,000				
Police & Fire Fixed Income								
Police & Fire US Fixed Income								
Western Asset Active Bond - 798K9258	\$14,540,175	4.8%			\$14,540,175			
Mutual of America FI - 514L9777	\$12,163,665	4.0%			\$12,163,665			
Cincinnati Asset Mgmt Broad Mkt -755HP466	\$11,576,829	3.8%			\$11,576,829			
Atalanta - 882V4828	\$14,958,974	4.9%			\$14,958,974			
Police & Fire Cash								
CASH - 489X3401	\$7,290,383	2.4%						\$7,290,383
PF Israel State Jubilee - 70001205	\$997,564	0.3%						\$997,564
Northern Trust Cash	\$1,884,443	0.6%						\$1,884,443

New Haven Police & Fire Pension

As of April 30, 2020

	Total Market Value	% of Portfolio	US Equity	Non-US Equity	US Fixed Income	Alternatives	Real Estate	Cash
Police & Fire Alternatives								
Police & Fire Real Estate								
PF US RE Investment Fund - 70001209	\$13,510,637	4.4%					\$13,510,637	
PF Terracap RE - 70002419	\$6,681,120	2.2%					\$6,681,120	
PF WLR Partnerships - 700001340	\$2,750,567	0.9%					\$2,750,567	
PF Harbert US RE Fund V LP - 70001341	\$3,814,569	1.3%					\$3,814,569	
PF Harbert US RE Fund IV LLC - 70001208	\$259,275	0.1%					\$259,275	
PF Harbert RE Fund III LLC - 70001207	\$240,747	0.1%					\$240,747	
PF Eagle Rock Hedge Fund - 70001204	\$2,635,196	0.9%					\$2,635,196	
Police & Fire Private Equity								
PF Landmark Growth Capital Partners LP - 70001211	\$8,339,527	2.7%				\$8,339,527		
PF Ironside Investment Fund III - 70001975	\$3,956,163	1.3%				\$3,956,163		
PF Invesco Mortgage Recovery Fund II - 70001997	\$3,719,234	1.2%				\$3,719,234		
PF Ironside Partnership III - 70001974	\$3,201,805	1.1%				\$3,201,805		
PF Ironside Direct Investment Fund V LP - 70004197	\$2,514,528	0.8%				\$2,514,528		
PF Invesco Partnership Fund V LP - 70001215	\$2,481,254	0.8%				\$2,481,254		
PF Capital Point Partners LP - 70001213	\$1,979,838	0.7%				\$1,979,838		
PF Oak Hill Capital Partners III - 70001216	\$1,933,833	0.6%				\$1,933,833		
PF Chart Capital Partners II LP - 70001217	\$1,122,172	0.4%				\$1,122,172		
PF Invesco MRTG Recovery Loan AIV Fund LP - 70001220	\$814,313	0.3%				\$814,313		
PF Capital Point Partners II - 70001214	\$660,646	0.2%				\$660,646		
PF Northstar Mezzanine Growth Capital Partners - 700001212	\$137,000	0.0%				\$137,000		
Police & Fire Hedge Fund								
PF Alkeon Growth Offshore Ltd - 70002123	\$15,896,977	5.2%				\$15,896,977		
PF Grayco Alt Partners I LP - 70001218	\$9,364,058	3.1%				\$9,364,058		
Total	\$304,118,785	100.0%	\$101,699,016	\$52,994,273	\$53,239,643	\$56,121,351	\$29,892,110	\$10,172,391
Percent of Total			33.4%	17.4%	17.5%	18.5%	9.8%	3.3%

Current Allocation



- | | | | |
|-------------------------------------------|--------------------------------------------|------------------------------------------------------|----------------------------------------|
| Aristotle LCV - 70004982 | Lazard Intl Equity - 2349N866 | PF Harbert US RE Fund IV LLC - 70001208 | PF Terracap RE - 70002419 |
| Atalanta - 882V4828 | Mutual of America FI - 514L9777 | PF Harbert US RE Fund V LP - 70001341 | PF US RE Investment Fund - 70001209 |
| BCS Buffered Plus on EEM -105LK487 | Mutual of USA MC -544VA024 | PF Invesco Mortgage Recovery Fund II - 70001997 | PF WLR Partnerships - 700001340 |
| CASH - 489X3401 | Northern Trust Cash | PF Invesco MRTG Recovery Loan AIV Fund LP - 70001220 | Seizert Capital Partners LC - 3966T203 |
| Channing Cap Asset Mgmt SC - 864RF210 | PF Capital Point Partners LP - 70001213 | PF Invesco Partnership Fund V LP - 70001215 | WCM Intl Equity - 436U1020 |
| Cincinnati Asset Mgmt Broad Mkt -755HP466 | PF Alkeon Growth Offshore Ltd - 70002123 | PF Ironside Direct Investment Fund V LP - 70004197 | Western Asset Active Bond - 798K9258 |
| CITI Partial Principle Europe - 317R5235 | PF Capital Point Partners II - 70001214 | PF Ironside Investment Fund III - 70001975 | |
| ClearBridge SCG - 732TU135 | PF Chart Capital Partners II LP - 70001217 | PF Ironside Partnership III - 70001974 | |
| Cooke & Bieler MCV - 399AT397 | PF Eagle Rock Hedge Fund - 70001204 | PF Israel State Jubilee - 70001205 | |
| Cooke & Bieler SCV - 8854W967 | PF Grayco Alt Partners I LP - 70001218 | PF Landmark Growth Capital Partners LP - 70001211 | |
| HSBC Trigger Plus on EEM --5950W108 | PF Harbert RE Fund III LLC - 70001207 | PF Oak Hill Capital Partners III - 70001216 | |

IMPORTANT DISCLOSURES

This information is provided for your convenience, but should not be used as a substitute for your account's monthly statements and trade confirmations. Material is provided for informational purposes only and does not constitute a recommendation. It has been gathered in a manner which we believe to be reliable, but accuracy is not guaranteed. It is not intended as tax advice. Past performance does not guarantee future results.

Diversification and strategic asset allocation does not ensure a profit or protect against a loss. No investment strategy can guarantee success. Investments are subject to market risk, including possible loss of principal.

Investing in small and mid-cap stocks are riskier investments which include price volatility, less liquidity and the threat of competition. International investing involves additional risks such as currency fluctuations, differing financial accounting standards and possible political and economic instability. These risks are greater in emerging markets. Alternative investment strategies involve greater risks and are only appropriate for the most sophisticated, knowledgeable and wealthiest of investors. Managed futures involve specific risks that maybe greater than those associated with traditional investments and may be offered only to clients who meet specific suitability requirements, including minimum net worth tests. You should consider the special risks with alternative investments including limited liquidity, tax considerations, incentive fee structures, potentially speculative investment strategies, and different regulatory and reporting requirements. Commodities are generally considered speculative because of the significant potential for investment loss. REITs are financial vehicles that pool investors' capital to purchase or finance real estate. REITs involve risks such as refinancing, economic conditions in the real estate industry, changes in property values and dependency on real estate management.

Alternative investments such as Hedge Funds involve substantial risks that may be greater than those associated with traditional investments and are not suitable for all investors. They may be offered only to clients who meet specific suitability requirements, including minimum-net-worth tests. These risks include, but are not limited to, limited liquidity, tax considerations, incentive fee structures, potentially speculative investment strategies, and different regulatory and reporting requirements. Investors should only invest in hedge funds if they do not require a liquid investment and can bear the risk of substantial losses. There is no assurance that any investment will meet its investment objectives or that substantial losses will be avoided. Investors should carefully review any offering materials or prospectuses prior to investing. A Non marketable security is typically a debt security, that is difficult to buy or sell due to the fact that they are not traded on any normal, major secondary market exchanges. Such securities, if traded in any secondary market, are usually only bought and sold through private transactions or in an over-the-counter (OTC) market. For the holder of a non-marketable security, finding a buyer can be difficult, and some non-marketable securities cannot be resold at all because government regulations prohibit any resale.

Performance: Performance results are annualized for time periods greater than one year and include all cash and cash equivalents, realized and unrealized capital gains and losses, and dividends, interest and income. The investment results depicted herein represent historical performance. As a result of recent market activity, current performance may vary from the figures shown. Please contact your Financial Advisor for up to date performance information.

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Performance Inception Month End: Performance Inception Month End refers to performance calculated from the end of the month in which the accounts became eligible for performance. Calculating performance from the Performance Inception Month End allows for a comparison to be made to appropriate benchmarks. Performance Inception Month End does not necessarily correspond to the account opening date.

Realized/Unrealized Gain/Loss: The gain and loss information is provided for informational purposes only, may not be complete, is not a substitute 1099 form (or any other appropriate tax form), and should not be used for tax planning or preparation. Gain and loss values are estimates and should be independently verified. We are not responsible for any gain and loss information provided by you or another financial institution. You are responsible for ensuring the accuracy of such information.

Projected 12 Month Income: Projected Next 12 Months income includes cash income such as interest and cash dividends, based on current yields and may include income from Raymond James & Associates, Inc. and externally held accounts where data is available. These are projections based on historical data and the actual income may be lower or higher than the projections. Raymond James & Associates, Inc. member New York Stock Exchange/SIPC. Investment advisory services offered through Raymond James & Associates.

Investors should consider the investment objectives, risks, charges and expenses of an investment company carefully before investing. The prospectus contains this and other information and should be read carefully before investing. The prospectus is available from your investment professional.

Index Descriptions

It is not possible to invest directly in an index.

31 Day T-Bills – The average discount rate at which the US government is issuing short term-debt.

BBgBarc Municipal Bond: 1-10 Year Blend - A component of the BBgBarc Capital Municipal Bond Index with municipal bonds in the 1-10 year blend (1-12) maturity range.

BBgBarc 1-5 Government/Credit - BBgBarc 1-5 Year Government/Credit Index: Includes all medium and larger issues of U.S. government, investment-grade corporate, and investment-grade international dollar-denominated bonds that have maturities of between 1 and 5 years and are publicly issued.

BBgBarc 1-5 Year Government - An inclusion of securities within the BBgBarc Government Index that have a maturity range from 1 up to (but not including) 5 years.

BBgBarc 1-5 Year Treasury - The 1-5 year component of the BBgBarc Capital U.S. Treasury Index with securities in the maturity range from 1 year up to (but not including) 5 years.

BBgBarc Credit 1-3 Year - BBgBarc 1-5 Year Credit Index: Includes all medium and larger issues of U.S. government, investment-grade corporate, and investment-grade international dollar denominated bonds that have maturities of between 1 and 3 years and are publicly issued.

BBgBarc U.S. Government/Credit (BCGC) - The Government/Credit component of the U.S. Aggregate. The government portion includes treasuries (public obligations of the U.S. Treasury that have remaining maturities of more than one year) and agencies (publicly issued debt of the U.S. Government agencies, quasi-federal corporations, and corporate or foreign debt guaranteed by the U.S. Government). The credit portion includes publicly issued U.S. corporate and foreign debentures and secured notes that meet specified maturity, liquidity, and quality requirements. Must be a publicly issued, dollar-denominated and non-convertible, U.S. Government or Investment Grade Credit security. Must be rated investment-grade (Baa3/BBB- or higher) by at least two of the following rating agencies: Moody's, S&P, Fitch; regardless of call features, have at least one year to final maturity, and have an outstanding par value amount of at least \$250 million.

BBgBarc Intermediate U.S. Government/Credit (BCIGC) - The intermediate component of the BBgBarc Capital Government/Credit Index with securities in the maturity range from 1 up to (but not including) 10 years.

BBgBarc Global Aggregate - The index is designed to be a broad based measure of the global investment-grade, fixed rate, fixed income corporate markets. The major components of this index are the US Aggregate, Pan-European Aggregate, and the Asian-Pacific Aggregate Indices. The index also includes Eurodollar and Euro-Yen corporate bonds, Canadian government, agency and corporate securities.

BBgBarc Global Aggregate Intermediate - The intermediate component of the BBgBarc Global Aggregate index with securities in the maturity range from 1 up to (but not including) 10 years.

BBgBarc U.S. Government: Intermediate - The intermediate component of the BBgBarc Capital U.S. Government Index with securities in the maturity range from 1 up to (but not including) 10 years.

BBgBarc U.S. Government: Long - The long component of the BBgBarc Capital U.S. Government Index with securities in the maturity range from 10 years or more.

BBgBarc LT Muni - A component of the BBgBarc Capital Municipal Bond Index with municipal bonds with a maturity range greater than 20 years.

BBgBarc Municipal Bond Index - A rules-based, market-value weighted index that is engineered for the long-term tax-exempt bond market. Bonds must be rated investment-grade (Baa3/BBB- or higher) by at least two of the following rating agencies: Moody's, S&P, Fitch. The bonds must be fixed rate, have a dated-date after December 31, 1990, have an outstanding par value of at least \$7million, and be issued as part of a transaction of at least \$75 million. The four main sectors of the index are: general obligation bonds, revenue bonds, insured bonds (including all insured bonds with a Aaa/AAA rating), and prefunded bonds. Remarketed issues, taxable municipal bonds, floating rate bonds, and derivatives, are excluded from the benchmark.

BBgBarc U.S. Treasury - A component of the U.S. Government Index. Must be publicly issued, dollar-denominated and non-convertible, fixed rate (although it may carry a coupon that steps up or changes according to a predetermined schedule) U.S. Treasury security. Must be rated investment-grade (Baa3/BBB- or higher) by at least two of the following rating agencies: Moody's, S&P, Fitch; regardless of call features, have at least one year to final maturity, and have an outstanding par value amount of at least \$250 million.

BBgBarc U.S. Treasury: Intermediate (BCIT) - The intermediate component of the BBgBarc Capital U.S. Treasury Index with securities in the maturity range from 1 year (but not including) 10 years.

BBgBarc U.S. Treasury: Long - The long component of the BBgBarc Capital U.S. Treasury Index with securities in the maturity range from 10 years or more.

BBgBarc U.S. Treasury: U.S. TIPS - Comprised of Inflation-Protection securities issued by the U.S. Treasury. Must be a fixed rate, publicly issued U.S. Treasury Inflation Note that is dollar-denominated and non-convertible. Must be rated investment-grade (Baa3/BBB- or higher) by at least two of the following rating agencies: Moody's, S&P, Fitch; have at least one year to final maturity, and have an outstanding par value amount of at least \$250 million.

BBgBarc High Yield Composite BB - A component of the BBgBarc U.S. Corporate High Yield Bond Index with bonds in the BB or better.

FTSE 1-3 Year U.S. Treasury - Component of the FTSE U.S. Treasury that measures total returns for U.S. Treasuries with a maturity between 1-3 years.

FTSE 3 Month U.S. Treasury Bill - This index measures monthly return equivalents of yield averages that are not marked to market. The Three-Month Treasury Bill Indices consist of the last three three-month Treasury bill issues.

FTSE World Government Bond - FTSE World Government Bond Index (WGBI), includes the most significant and liquid government bond markets globally that carry at least an investment grade rating.

FTSE World Government Bond ex US – Similar to the FTSE World Government Bond Index (WGBI), includes the most significant and liquid government bond markets globally that carry at least an investment grade rating but excludes bonds from the United States.

Consumer Price Index - All Urban Consumers (CPI-U) - As an economic indicator, and as the most widely used measure of inflation, the Consumer Price Index (CPI) is an indicator of the effectiveness of government policy, and as a guide in making economic decisions for business executives, labor leaders, and other private citizens. Published on a monthly basis by the U.S. Bureau of Labor Statistics (BLS), the CPI is a measure of the average change in prices over time of goods and services purchased by households. CPI for All Urban Consumers (CPI-U) encompasses approximately 87 percent of the total U.S. population which includes, in addition to wage earner and clerical worker households, groups such as professional, managerial, and technical workers, the self-employed, short-term workers, the unemployed, and retirees and others not in the labor force.

Dow Jones UBS Commodity - Provides a diversified representation of commodity markets as an asset class. The index is comprised of exchange-traded futures on physical commodities; representing 19 commodities which are weighted for economic significance and market liquidity. To promote diversification, weighting restrictions are placed on individual commodities and commodity groups.

FTSE NAREIT U.S. Real Estate - All REITs - The index is designed to represent a comprehensive performance of publicly traded REITs which covers the commercial real estate space across the US economy, offering exposure to all investment and property sectors. It is not free float adjusted, and constituents are not required to meet minimum size and liquidity criteria.

HFRI Equity Hedge Fund Index - The index is designed to represent strategies which maintain positions both long and short in primarily equity and equity derivative securities. A wide variety of investment processes can be employed to arrive at an investment decision, including both quantitative and fundamental techniques; strategies can be broadly diversified or narrowly focused on specific sectors and can range broadly in terms of levels of net exposure, leverage employed, holding period, concentrations of market capitalizations and valuation ranges of typical portfolios. Equity Hedge managers would typically maintain at least 50% exposure to, and may in some cases be entirely invested in, equities - both long and short.

HFRI (Hedge Fund Research, Inc.) Fund of Funds Composite Index (1) - The index only contains fund of funds, which invest with multiple managers through funds or managed accounts. It is an equalweighted index, which includes over 650 domestic and offshore funds that have at least \$50 Million under management or have been actively trading for at least 12 months. All funds report assets in US Dollar, and Net of All Fees returns which are on a monthly basis.

MSCI ACWI - A free float-adjusted market capitalization index that is designed to measure the equity market performance of both developed and emerging markets. This "All Country World Index" reflects performance across the Americas, Europe & the Middle East, Africa, Asia, and the Pacific.

MSCI EAFE - A free float-adjusted market capitalization index that is designed to measure the equity market performance of developed markets, excluding the U.S. and Canada. As of December 31, 2010 the MSCI EAFE Index consists of 22 developed market country indices: Australia, Austria, Belgium, Denmark, Finland, France, Germany, Greece, Hong Kong, Ireland, Israel, Italy, Japan, the Netherlands, New Zealand, Norway, Portugal, Singapore, Spain, Sweden, Switzerland, and the United Kingdom.

MSCI EAFE Value -Net Dividend - A free float-adjusted market capitalization index that is designed to measure the equity market performance of developed markets, excluding the U.S. and Canada. Value attribute for index construction is defined using: book value to price ratio, 12-months forward earnings to price ratio, and dividend yield. Net total return indices reinvest dividends after the deduction of withholding taxes, using (for international indices) a tax rate applicable to non-resident institutional investors who do not benefit from double taxation treaties.

MSCI EAFE Growth -Net Dividend - A free float-adjusted market capitalization index that is designed to measure the equity market performance of developed markets, excluding the U.S. and Canada. Growth attribute for index construction is defined using: long-term forward earnings per share (EPS) growth rate, short-term forward EPS growth rate, current internal growth rate, long-term historical EPS growth trend, long-term historical sales per share growth trend. Net total return indices reinvest dividends after the deduction of withholding taxes, using (for international indices) a tax rate applicable to non-resident institutional investors who do not benefit from double taxation treaties.

MSCI Emerging Markets - A free float-adjusted market capitalization index that is designed to measure equity market performance of emerging markets. As of December 31, 2010, the MSCI Emerging Markets Index consists of the following 21 emerging market country indices: Brazil, Chile, China, Colombia, Czech Republic, Egypt, Hungary, India, Indonesia, Korea, Malaysia, Mexico, Morocco, Peru, Philippines, Poland, Russia, South Africa, Taiwan, Thailand, and Turkey.

MSCI World - A free float-adjusted market capitalization weighted index that is designed to measure the equity market performance of developed markets. As of December 31, 2010, the MSCI World Index consists of the following 24 developed market country indices: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Hong Kong, Ireland, Israel, Italy, Japan, Netherlands, New Zealand, Norway, Portugal, Singapore, Spain, Sweden, Switzerland, the United Kingdom, and the United States.

NCREIF - The index is a quarterly time series composite total rate of return measure of investment performance of a very large pool of individual commercial real estate properties acquired in the private market for investment purposes only. Information on this index is available at ncreif.com.

Russell 1000 - Based on a combination of their market cap and current index membership, this index is comprised of approximately 1,000 of the largest securities from the Russell 3000. Representing approximately 92% of the Russell 3000, the index is created to provide a full and unbiased indicator of the large cap segment.

Russell 1000 Growth - Measures the performance of those Russell 1000 companies with higher price-to-book ratios and higher forecasted growth values.

Russell 1000 Value - Measures the performance of those Russell 1000 companies with lower price-to-book ratios and lower expected growth values.

Russell 2000 - Based on a combination of their market cap and current index membership, this index is comprised of approximately 2,000 of the smaller securities from the Russell 3000. Representing approximately 8% of the Russell 3000, the index is created to provide a full and unbiased indicator of the small cap segment.

Russell 2000 Growth - Measures the performance of those Russell 2000 companies with higher price-to-book ratios and higher forecasted growth values.

Russell 2000 Value - Measures the performance of those Russell 2000 companies with lower price-to-book ratios and lower expected growth values.

Russell 2500 - Based on a combination of their market cap and current index membership, this index is comprised of approximately 2,500 of the smallest securities from the Russell 3000. Measures the performance of the small to mid-cap (smid) segment of the U.S. equity universe.

Russell 2500 Growth - Measures the performance of those Russell 2500 companies with higher price-to-book ratios and higher forecasted growth values.

Russell 2500 Value - Measures the performance of those Russell 2500 companies with lower price-to-book ratios and lower expected growth values.

Russell 3000 - Representing approximately 98% of the investable U.S. equity market, the Russell 3000 index measures the performance of the largest 3,000 U.S. companies.

Russell 3000 Growth - Measures the performance of the broad growth segment of the U.S. equity universe which includes Russell 3000 companies with higher price-to-book ratios and higher forecasted growth values.

Russell 3000 Value - Measures the performance of the broad growth segment of the U.S. equity universe which includes Russell 3000 companies with lower price-to-book ratios and lower forecasted growth values.

Russell Midcap - A subset of the Russell 1000 index, the Russell Midcap index measures the performance of the mid-cap segment of the U.S. equity universe. Based on a combination of their market cap and current index membership, includes approximately 800 of the smallest securities which represents approximately 27% of the total market capitalization of the Russell 1000 companies. The index is created to provide a full and unbiased indicator of the mid-cap segment.

Russell Midcap Growth - Measures the performance of those Russell Mid-cap companies with higher price-to-book ratios and higher forecasted growth values.

Russell Midcap Value - Measures the performance of those Russell Mid-cap companies with lower price-to-book ratios and lower expected growth values.

Standard & Poor's 400 MidCap - Comprised of 400 domestic stocks that are chosen based upon market capitalization, liquidity and industry representation. The medium size US firms range with a market capitalization between \$2 billion to \$10 billion, and are between the S&P 500 Index and the S&P Smallcap 600 Index. It is a market-weighted index, which represents approximately 7% of the aggregate market value of US companies.

Standard & Poor's 500 - Representing approximately 75% of the investable US equity market, the S&P 500 measures changes in stock market conditions based on the average performance of 500 widely held common stocks. It is a market-weighted index calculated on a total return basis with dividend reinvested.

Stark 300 Trader - The Stark 300 index tracks the performance of the top-300 futures and forex traders. The index is calculated monthly using an equity-weighted formula to determine performance.

Index Abbreviations

Bloomberg Barclays – Abbreviated as BBgBarc and then a descriptor. For example BBgBarc US Aggregate TR is the Bloomberg Barclays United States Aggregate Total Return.

Statistics and General Definitions

Alpha – Measures how well a portfolio performed versus its benchmark after factoring in the amount of risk (as measured by beta) taken. Technically, alpha is the difference between the excess return of a portfolio and the excess return of the benchmark multiplied by beta. Excess return is simply the actual return minus the return of the risk-free asset, U.S. Treasury Bill. A positive alpha indicates the portfolio has performed better than the benchmark on a risk-adjusted basis.

Allocation Effect – Attributable to the asset allocation of the portfolio.

Annual Standard Deviation – A measure of variability in returns. The annual standard deviation measures the dispersion of annual returns around the average annualized return.

Annualized Return – A statistical technique whereby returns covering periods greater than one year are converted to cover a one year period.

Attribution – Analytical technique used to evaluate the performance of the portfolio relative to a benchmark. Attribution shows where value was added or subtracted as a result of the investment manager's decisions. The four main attribution effects are: Selection or Manager Effect, Allocation Effect, Currency Effect, and Interaction Effect.

Beta – A coefficient measuring a portfolio's relative volatility with respect to its market. Technically, beta is the covariance of a portfolio's return with the benchmark portfolio's return divided by the variance of the benchmark portfolio's return. Thus, a portfolio with a beta greater than 1.00, indicates the portfolio experienced greater volatility than the benchmark, whereas a portfolio with a beta less than 1.00, indicates the portfolio experienced less volatility than the benchmark.

Commitments – Also called Committed Capital. The amount an investor has agreed to contribute towards the funding of a venture capital fund. May be paid at one time or over a longer period.

Consumer Price Index – Measures the change in consumer prices, as determined by a monthly survey of the U.S. Bureau of Labor Statistics. CPI components include housing costs, food, transportation and electricity.

Correlation – Measures the strength of association between two variables. The value ranges between -1 and +1. The strongest linear relationship is indicated by a correlation of -1 or +1. The weakest linear relationship is indicated by a correlation of 0. Positive correlation means if one variable gets bigger, the other variable tends to get bigger. Negative correlation means that if one variable gets bigger, the other variable tends to get smaller.

Currency Effect – The effect that changes in currency exchange rates over time affect excess performance

Downside Capture Ratio – Measures investment manager's performance in down markets relative to a particular benchmark. A down-market is defined as those periods (months or quarters) in which market return is less than 0%.

Duration – A measure of the price sensitivity of a bond or bond portfolio to a change in interest rates.

Information Ratio – Describes the risk / reward trade-off of alpha and tracking error. Because the formula for calculating information ratio is Alpha divided by Tracking Error, the larger the information ratio, the more attractive the portfolio is from an overall risk return profile.

Interaction Effect – The portion that is not accounted for by the Selection/Manager Effect or Allocation effects.

R2 – Also called the coefficient of determination. On the detail page, R2 measures how much of the variation in the investment manager's returns can be explained by movements in the market (benchmark).

Sharpe Ratio – A risk-adjusted measure calculated using standard deviation and excess return to determine reward per unit of risk. The higher the Sharpe ratio, the better the manager's historical risk-adjusted performance.

Selection or Manager Effect – attributable to the investment manager's stock selection decisions

Tracking Error – A measure that describes the volatility of the expected excess return (alpha) achieved through active management. Since excess return can only be achieved through a portfolio that actively differs from the benchmark, the level of tracking error is indicative of how different the portfolio will perform relative to any given benchmark.

Upside Capture Ratio – Measures investment manager's performance in up markets relative to a particular benchmark. An up-market is defined as those periods (months or quarters) in which market return is greater than 0%.

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