

(Preliminary Subject to Change)



**Employees Retirement System** 

City of Philadelphia Employees Retirement System Executive Summary August 31, 2019 **Total Fund Composite** 

#### Ending August 31, 2019 3 Mo Net Cash Flows (\$) % of Portfolio Market Value Policy Difference Asset Class Policy % (\$) (\$) **Total Fund Composite** 5,373,444,523 -187,057,163 100.0 100.0 0 Total Fund w/o Alternative Assets 3,920,699,797 -159,816,051 73.0 69.0 213,023,076 Investment Grade Fixed Income Composite 701,128,982 0 13.0 10.0 163,784,530 0 Brandywine Global Investment Management **Global Fixed Income** 140,109,061 2.6 0 Garcia Hamilton & Associates Int. Govt. Fixed Income 3.3 177,217,277 Logan Circle 0 Core Plus Fixed Income 48,751,212 0.9 Longfellow Core Plus Fixed Income 172,611,692 0 3.2 Rhumbline Core Bond Index Core Fixed Income 162,439,741 0 3.0 **Opportunistic Fixed Income Composite** 256,958,964 -7,276,476 4.8 4.0 42,021,183 Opportunistic Fixed T - Apollo Franklin Partnership, L.P. 9,359,721 -2,636,364 0.2 Income Opportunistic Fixed T - Avenue Coppers Opportunity Fund LP 0.4 19,364,591 -465,328 Income **Opportunistic Fixed** T - KKR-PBPR Capital Partners LP 46,605,956 -3,934,784 0.9 Income 74,509,313 -240,000 1.4 Logan Circle - EMD EM Fixed Income 0 1.0 High Yield Fixed Income 52,610,935 Strategic Income Management Lord Abbett High Yield High Yield Fixed Income 54,079,338 0 1.0 U.S. Equity Composite 1,628,667,595 0 30.3 30.0 16.634.238 Rhumbline Russell 1000 Index 22.2 Large-Cap Core 1.191.757.928 0 O'Shaughnessy Asset Management 28,147,221 0 0.5 Large-Cap Value Rhumbline MidCap Index Mid-Cap Core 154,622,703 -6,252 2.9 Rhumbline Russell 2000 Index Small-Cap Core 39,761,257 -1,664 0.7 **Emerald Advisors** Small-Cap Growth 79,858,965 0 1.5 Fisher Asset Management Small-Cap Value 54,422,450 0 1.0 Fiera Capital Smid-Cap Growth 28,107,716 0 0.5 51,880,534 Ariel Smid-Cap Value 0 1.0 21.0 -62,481,975 Non-U.S. Equity Developed Composite 19.8 1,065,941,375 0 Non-U.S. Large-Cap Causeway Capital Management 103,666,193 ٥ 1.9 Core Non-U.S. Large-Cap Northern Trust MSCI EAFE+Canada 0 771,779,446 14.4 Core Non-U.S. Small-Cap Northern Trust International Small Cap 96,970,648 0 1.8 Core Non-U.S. Small-Cap Strategic Global Advisors 30,349,085 0 0.6 Core Non-U.S. Small-Cap Mackenzie Investments 59,351,621 0 1.1 Core Non-U.S. Equity Emerging Composite 207,488,144 -35 3.9 4.0 -7,449,637 3.9 Rhumbline Emerging Markets Index **Emerging Markets** 207,483,955 -35

Market Value: \$5,373.4 Million and 100.0% of Fund

Total Fund Composite

Market Value: \$5,373.4 Million and 100.0% of Fund

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	Asset Class	Market Value (\$)	3 Mo Net Cash Flows (\$)	% of Portfolio	Policy %	Policy Difference (\$)
Cash Composite		60,514,738	-152,539,540	1.1	0.0	60,514,738
Cash	Cash & Equivalents	59,852,466	-152,532,416	1.1		
Directed Commissions	Cash & Equivalents	662,272	-7,124	0.0		
Absolute Return		27,682,965	0	0.5	0.0	27,682,965
Elizabeth Park Capital Management	Long/Short Hedge Fund	25,888,678	0	0.5		
T - Archview Offshore Fund. LTD	Credit Hedge Fund	1,794,286	0	0.0		
Real Assets Composite		985,471,282	-8,474,893	18.3	19.0	-35,483,177
Real Assets - Public Real Estate Composite		65,171,152	0	1.2	1.0	11,436,707
Rhumbline FTSE NAREIT	Real Assets	65,171,152	0	1.2		
Real Assets - Open-End Real Estate Composite		534,455,545	-4,715,735	9.9	11.0	-56,623,353
UBS Trumbull Fund	Core Real Estate	396,867,343	-4,428,096	7.4		
Clarion Lion Properties Fund	Core Real Estate	137,588,202	-287,639	2.6		
Real Assets - Infrastructure Composite		274,413,646	0	5.1	5.0	5,741,419
Rhumbline Infrastructure Index	Publicly-Traded Infrastructure	184,148,944	0	3.4		
Rreef Global Infrastructure	Global Infrastructure	90,264,701	0	1.7		
Real Assets - Private Real Estate Composite		96,973,432	-5,100,271	1.8	2.0	-10,495,459
Real Assets - Private Energy/Infrastructure Composite		14,457,508	1,341,114	0.3	-	14,457,508
Private Assets Composite		439,590,479	-18,766,219	8.2	12.0	-205,222,863
Private Assets - Private Equity	U.S. Private Equity FoF	410,431,332	-18,532,918	7.6		
Private Assets - Private Debt	Mezz. Private Equity	29,159,147	-233,301	0.5		

#### Ending August 31, 2019



# Investment Manager

# Annualized Performance (Net of Fees)

Market Value: \$5,373.4 Million and 100.0% of Fund

### Ending August 31, 2019

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	1 Mo	3 Mo	YTD	Fiscal YTD	1 Yr	2 Yrs	3 Yrs	4 Yrs	5 Yrs	7 Yrs	10 Yrs	Inception	Inception Date
Total Fund Composite	-1.2%	2.6%	9.9%	-0.9%	1.9%	5.6%	7.6%	6.6%	4.5%	6.8%	7.6%	7.4%	Jul-88
Total Fund Policy Benchmark	-1.1%	2.7%	10.2%	-0.9%	3.0%	6.2%	7.8%	7.2%	5.3%	7.5%	8.5%	8.3%	Jul-88
Total Fund w/o Alternative Assets	-1.7%	3.5%	11.5%	-1.4%	0.2%	4.3%	7.0%	6.5%	4.0%			5.1%	Jan-14
Investment Grade Fixed Income Composite	1.8%	3.3%	7.5%	1.7%	8.3%	3.3%	2.9%	3.7%	2.2%	2.4%	3.8%	6.1%	Jul-88
Fixed Income Custom Benchmark	2.6%	4.2%	8.7%	2.7%	9.8%	4.2%	3.0%	3.7%	3.3%	2.8%	3.9%	6.3%	Jul-88
Brandywine Global Investment Management	-0.3%	1.9%	4.9%	-1.6%	4.6%	-0.2%	2.2%	3.8%	1.1%	2.3%	4.9%	6.5%	Jan-09
FTSE WGBI TR	2.7%	4.6%	7.7%	2.2%	8.4%	3.2%	1.9%	3.8%	1.4%	1.0%	2.1%	2.6%	Jan-09
Garcia Hamilton & Associates	1.6%	2.6%	6.2%	1.8%	7.2%	3.5%	2.6%	3.2%	2.9%	3.0%	4.2%	5.2%	Aug-00
BBgBarc US Govt/Credit Int TR	1.8%	2.8%	6.8%	1.7%	8.1%	3.5%	2.6%	2.9%	2.6%	2.2%	3.2%	4.4%	Aug-00
Logan Circle	2.7%	4.5%	10.2%	3.1%	10.5%	5.0%	4.0%	4.6%				3.9%	Oct-14
BBgBarc US Aggregate TR	2.6%	4.1%	9.1%	2.8%	10.2%	4.4%	3.1%	3.8%	3.3%	2.8%	3.9%	3.4%	Oct-14
Longfellow	2.7%	4.1%	9.3%	2.9%	10.1%	4.7%	3.6%	4.1%				3.7%	Sep-14
BBgBarc US Aggregate TR	2.6%	4.1%	9.1%	2.8%	10.2%	4.4%	3.1%	3.8%	3.3%	2.8%	3.9%	3.5%	Sep-14
Rhumbline Core Bond Index	2.7%	4.1%	8.8%	2.9%	9.9%	4.3%	3.0%	3.6%	3.1%	2.5%	3.7%	4.3%	Jun-07
BBgBarc US Aggregate TR	2.6%	4.1%	9.1%	2.8%	10.2%	4.4%	3.1%	3.8%	3.3%	2.8%	3.9%	4.5%	Jun-07
Opportunistic Fixed Income Composite	-1.1%	1.7%	5.5%	-0.5%	2.2%	1.9%	3.5%	3.1%	1.9%			3.2%	Dec-12
Opportunistic FI Custom Benchmark	0.2%	2.7%	9.6%	1.0%	5.9%	5.0%	5.7%	5.9%	4.5%	5.3%		5.0%	Dec-12
T - Apollo Franklin Partnership, L.P.	0.0%	2.1%	8.4%	0.1%	1.1%	1.8%	0.7%	-1.4%	-4.4%			-2.2%	May-13
50% BarCap HY / 50% CSFB Lev Loans	0.1%	2.0%	8.5%	0.7%	5.0%	4.7%	5.5%	5.7%	4.4%	5.3%	7.1%	4.7%	May-13
T - Avenue Coppers Opportunity Fund LP	0.0%	-0.2%	-0.9%	0.0%	-9.8%	-4.2%	-1.5%	-1.3%	-1.1%			0.5%	Dec-13
Actuarial Rate	0.6%	1.9%	5.0%	1.2%	7.6%	7.7%	7.7%	7.7%	7.7%	7.7%	7.7%	7.7%	Dec-13
T - KKR-PBPR Capital Partners LP	0.0%	-0.1%	-2.1%	0.1%	-7.6%	-1.6%	1.5%	2.0%	1.5%	4.3%		4.4%	Jun-12
Actuarial Rate	0.6%	1.9%	5.0%	1.2%	7.6%	7.7%	7.7%	7.7%	7.7%	7.7%	7.7%	7.7%	Jun-12
Logan Circle - EMD	-3.6%	1.6%	8.1%	-2.6%	9.6%	1.5%	4.4%	6.7%				5.2%	Feb-15
JP Morgan EMBI Global TR	0.5%	4.8%	12.5%	1.7%	13.1%	3.9%	4.1%	6.7%	4.7%	4.4%	7.1%	5.8%	Feb-15
Strategic Income Management	-0.2%	2.2%	7.5%	0.1%	4.8%	5.2%	6.1%					8.2%	Mar-16
ICE BofAML US High Yield TR	0.4%	3.4%	11.2%	0.9%	6.7%	4.9%	6.2%	6.9%	4.9%	6.0%	8.5%	8.7%	Mar-16

# Annualized Performance (Net of Fees)

Market Value: \$5,373.4 Million and 100.0% of Fund

## Ending August 31, 2019

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	1 Mo	3 Mo	YTD	Fiscal YTD	1 Yr	2 Yrs	3 Yrs	4 Yrs	5 Yrs	7 Yrs	10 Yrs	Inception	Inception Date	
Lord Abbett High Yield	0.2%	3.9%		1.0%								7.6%	Jan-19	
ICE BofAML US High Yield TR	0.4%	3.4%	11.2%	0.9%	6.7%	4.9%	6.2%	6.9%	4.9%	6.0%	8.5%	6.3%	Jan-19	
U.S. Equity Composite	-2.6%	5.8%	18.1%	-1.1%	0.0%	9.7%	11.8%	10.9%	8.6%	12.3%	13.0%	9.6%	Jul-88	
U.S. Equity Custom Benchmark	-2.6%	5.7%	17.3%	-1.2%	0.7%	10.0%	12.0%	11.9%	9.5%	13.0%	13.3%	10.3%	Jul-88	
Rhumbline Russell 1000 Index	-1.8%	6.7%	18.6%	-0.3%	2.5%	10.8%	12.7%	12.4%	9.9%	13.4%	13.3%	7.9%	May-07	
Rhumbline Russell 1000 Custom Benchmark	-1.8%	6.7%	18.6%	-0.3%	2.5%	10.8%	12.7%	12.4%	9.9%	13.4%			May-07	
O'Shaughnessy Asset Management	-5.6%	3.4%	13.2%	-4.3%	-6.9%	6.3%	9.9%	8.4%	5.6%	11.9%		12.1%	Jun-12	
Russell 1000 Value	-2.9%	4.9%	13.8%	-2.1%	0.6%	6.4%	8.1%	9.3%	6.6%	11.2%	11.5%	11.5%	Jun-12	
Rhumbline MidCap Index	-2.9%	5.3%	19.6%	-1.5%	0.6%	8.9%						10.0%	Dec-16	
Rhumbline Russell Mid Cap Custom Benchmark	-2.9%	5.3%	19.7%	-1.5%	0.8%	9.0%						10.1%	Dec-16	
Rhumbline Russell 2000 Index	-4.9%	2.5%	11.9%	-4.3%	-12.6%	4.7%						5.3%	Dec-16	
Rhumbline Russell 2000 Custom Benchmark	-4.9%	2.5%	11.9%	-4.3%	-12.8%	4.6%						5.2%	Dec-16	
Emerald Advisors	-5.7%	1.6%	20.7%	-3.8%	-8.7%	10.5%	13.6%	9.0%	11.0%	14.3%	15.3%	9.7%	Dec-04	
Russell 2000 Growth	-4.3%	4.1%	16.3%	-3.4%	-11.0%	7.8%	10.6%	8.8%	8.1%	12.0%	13.1%	8.3%	Dec-04	
Fisher Asset Management	-6.3%	3.4%	11.0%	-4.5%	-12.1%	2.9%	8.0%	8.3%	7.3%	10.9%	11.9%	8.7%	May-08	
Russell 2000 Value	-5.6%	0.6%	7.3%	-5.4%	-14.9%	1.1%	5.0%	7.2%	4.6%	9.1%	10.0%	6.9%	May-08	
Fiera Capital	-4.7%	4.4%	20.6%	-3.4%	-3.8%	10.7%	11.7%	8.5%	6.7%	12.4%		13.8%	Dec-09	
Russell 2500 Growth	-2.8%	6.4%	22.3%	-1.3%	-3.7%	12.0%	13.2%	11.0%	9.6%	13.4%	14.4%	13.6%	Dec-09	
Ariel	-6.5%	1.0%	11.1%	-5.9%	-8.7%	3.3%	5.6%					8.6%	Jan-16	
Russell 2500 Value	-4.9%	1.9%	10.4%	-4.3%	-10.0%	2.8%	5.5%	7.3%	4.8%	9.9%	11.1%	10.4%	Jan-16	
Non-U.S. Equity Developed Composite	-2.3%	2.0%	10.2%	-3.3%	-4.1%	0.1%	5.6%	3.9%	1.3%	5.0%	5.0%	5.3%	Jan-89	
Non-U.S. Equity Developed Custom Benchmark	-2.5%	1.8%	10.1%	-3.6%	-4.2%	0.3%	6.0%	4.8%	2.0%	6.3%	5.4%		Jan-89	
Causeway Capital Management	-4.2%	-1.3%	3.7%	-6.5%	-10.5%	-3.2%	3.4%	1.5%	0.1%	5.3%		6.3%	Nov-11	
MSCI EAFE	-2.6%	1.9%	9.7%	-3.8%	-3.3%	0.5%	5.9%	4.4%	1.9%	6.1%	5.0%	6.3%	Nov-11	
Northern Trust MSCI EAFE+Canada	-2.1%	2.6%	11.5%	-3.1%	-1.7%	1.5%	6.5%	5.0%	2.1%	6.1%	5.7%	2.7%	Mar-07	
Northern Trust MSCI EAFE + Canada Custom Benchmark	-2.1%	2.6%	11.6%	-3.1%	-1.6%	1.6%	6.6%	5.3%	2.5%	6.9%	5.8%	2.4%	Mar-07	

Investment Manager

# Annualized Performance (Net of Fees)

Market Value: \$5,373.4 Million and 100.0% of Fund

## Ending August 31, 2019

	1 Mo	3 Mo	YTD	Fiscal YTD	1 Yr	2 Yrs	3 Yrs	4 Yrs	5 Yrs	7 Yrs	10 Yrs	Inception	Inception Date
Northern Trust International Small Cap	-2.7%	0.7%	9.0%	-3.3%	-9.0%							-8.4%	Mar-18
Northern Trust EAFE Small Cap Custom Benchmark	-2.4%	1.1%	9.4%	-3.0%	-8.8%							-7.8%	Mar-18
Strategic Global Advisors	-4.1%	0.0%	6.8%	-4.6%	-12.1%							-7.9%	Nov-17
MSCI World ex USA Small Cap	-2.3%	1.7%	9.8%	-2.8%	-8.6%	-1.1%	5.6%	5.8%	3.3%	7.8%	7.3%	-4.3%	Nov-17
Mackenzie Investments	-0.8%	3.8%	10.0%	0.4%	-8.9%							-4.9%	Nov-17
MSCI EAFE Small Cap	-2.5%	0.9%	9.0%	-3.2%	-9.2%	-1.2%	6.0%	5.8%	4.3%	8.9%	7.7%	-4.7%	Nov-17
Non-U.S. Equity Emerging Composite	-4.8%	-0.2%	3.5%	-6.2%	-4.3%	-2.3%	5.7%	7.5%	0.9%	2.0%	3.2%	8.0%	Jan-09
MSCI Emerging Markets	-4.9%	-0.2%	3.9%	-6.0%	-4.4%	-2.5%	5.8%	7.2%	0.4%	3.0%	4.1%	8.6%	Jan-09
Rhumbline Emerging Markets Index	-4.8%	-0.2%	3.5%	-6.2%	-4.2%	-2.3%	5.7%	7.6%	0.6%			1.3%	Feb-13
MSCI Emerging Markets	-4.9%	-0.2%	3.9%	-6.0%	-4.4%	-2.5%	5.8%	7.2%	0.4%	3.0%	4.1%	1.2%	Feb-13

Investment Manager

# Investment Manager

## Annualized Performance (Net of Fees)

Market Value: \$5,373.4 Million and 100.0% of Fund

#### Ending August 31, 2019

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	1 Mo	3 Mo	YTD	Fiscal YTD	1 Yr	2 Yrs	3 Yrs	4 Yrs	5 Yrs	7 Yrs	10 Yrs	Inception	Inception Date
Absolute Return	-5.8%	-1.3%	0.9%	-4.9%	-18.0%	-4.3%	0.5%	-0.7%	-1.0%	1.6%	2.0%	2.0%	Sep-05
HFRI Fund of Funds Composite Index	-0.7%	1.1%	5.7%	-0.5%	0.3%	2.0%	3.4%	2.1%	2.0%	3.4%	2.9%	2.5%	Sep-05
Elizabeth Park Capital Management	-6.2%	-0.8%	1.6%	-5.1%	-17.7%	-3.3%	4.2%	4.8%	5.3%			5.0%	May-14
HFRX Event Driven Index	0.5%	2.3%	3.2%	0.7%	-4.0%	-4.2%	0.2%	0.9%	-1.7%	1.6%	1.6%	-1.3%	May-14
T - Archview Offshore Fund. LTD	-1.2%	-7.9%	-8.0%	-1.6%	-22.9%	-8.7%	-4.2%	-4.5%	-4.3%			-3.3%	Mar-14
HFRI ED: Distressed/Restructuring Index	-1.9%	-1.5%	2.5%	-2.2%	-2.3%	1.5%	4.6%	4.0%	1.3%	4.3%	5.5%	1.6%	Mar-14
Real Assets Composite	0.8%	0.7%	6.0%	0.8%	6.0%	5.1%	5.9%	4.7%	1.9%			6.2%	Dec-12
Real Assets Benchmark	0.7%	1.8%	7.6%	0.7%	7.3%	5.5%	5.2%	3.0%	-1.4%			2.8%	Dec-12
Real Assets - Public Real Estate Composite	4.1%	7.3%	26.2%	5.8%	15.8%	10.9%	7.8%	11.9%	10.3%			10.1%	Jan-13
FTSE NAREIT All Equity REIT Custom Benchmark	4.1%	7.3%	26.2%	5.8%	15.8%	11.0%	7.9%	12.0%	9.4%				Jan-13
Rhumbline FTSE NAREIT	4.1%	7.3%	26.2%	5.8%	15.8%	10.9%	7.8%	11.9%	9.4%			8.7%	May-13
FTSE NAREIT All Equity REIT Custom Benchmark	4.1%	7.3%	26.2%	5.8%	15.8%	11.0%	7.9%	12.0%	9.4%			8.7%	May-13
Real Assets - Open-End Real Estate Composite	0.0%	-2.6%	-1.9%	0.0%	1.2%	4.1%						3.9%	Jan-17
NFI	0.0%	0.3%	2.0%	0.0%	4.2%	5.9%	6.2%	7.0%	8.3%	9.3%	9.4%	6.0%	Jan-17
UBS Trumbull Fund	0.0%	-3.9%	-3.4%	0.0%	-0.6%	3.0%						3.1%	Jan-17
NFI	0.0%	0.3%	2.0%	0.0%	4.2%	5.9%	6.2%	7.0%	8.3%	9.3%	9.4%	6.0%	Jan-17
Clarion Lion Properties Fund	0.0%	1.1%	2.9%	0.0%	7.0%							7.5%	Feb-18
NFI	0.0%	0.3%	2.0%	0.0%	4.2%	5.9%	6.2%	7.0%	8.3%	9.3%	9.4%	5.5%	Feb-18
Real Assets - Infrastructure Composite	1.8%	5.6%	22.8%	1.5%	14.3%	6.5%						9.1%	Mar-17
Dow Jones Brookfield Global Infrastructure Index	1.8%	4.2%	21.2%	1.4%	12.6%	5.2%	8.0%	8.0%	3.9%	8.5%	11.4%	7.9%	Mar-17
Rhumbline Infrastructure Index	1.9%	5.4%	22.8%	1.5%	14.4%	6.5%						9.1%	Mar-17
Dow Jones Brookfield Global Infrastructure Index	1.8%	4.2%	21.2%	1.4%	12.6%	5.2%	8.0%	8.0%	3.9%	8.5%	11.4%	7.9%	Mar-17
Rreef Global Infrastructure	1.8%	5.9%	23.4%	1.5%	14.6%							14.4%	Mar-18
Dow Jones Brookfield Global Infrastructure Index	1.8%	4.2%	21.2%	1.4%	12.6%	5.2%	8.0%	8.0%	3.9%	8.5%	11.4%	12.3%	Mar-18

## **Investment Manager**

## Annualized Performance (Net of Fees)

Market Value: \$5,373.4 Million and 100.0% of Fund

#### Ending August 31, 2019

	1 Mo	3 Mo	YTD	Fiscal YTD	1 Yr	2 Yrs	3 Yrs	4 Yrs	5 Yrs	7 Yrs	10 Yrs	Inception	Inception Date
Real Assets - Private Real Estate Composite	0.0%	1.9%	3.3%	0.0%	6.3%	6.2%	7.2%	7.4%	7.7%	10.0%	8.3%	4.0%	May-06
Real Assets - Private Real Estate Benchmark	0.0%	1.9%	3.3%	0.0%	6.3%	6.2%	7.2%	7.4%	7.7%	10.0%			May-06
Real Assets - Private Energy/Infrastructure Composite	0.0%	2.4%	9.6%	0.0%	21.2%	26.6%	17.9%	9.2%	-2.7%	8.8%		8.5%	May-12
Real Assets - Private Energy/Infrastructure Benchmark	0.0%	2.4%	9.6%	0.0%	21.2%	26.6%	17.9%	9.2%	-2.7%	8.8%		8.5%	May-12
Private Assets Composite	0.0%	-0.6%	5.8%	0.0%	10.5%	15.6%	13.8%	11.6%	11.2%	12.4%	13.3%	8.7%	Mar-87

Please note: As of January 1, 2019, the total fund policy index incorporates the adjustments as approved by the Board of Trustees to reflect the fundamental changes adopted as a result of the approved asset allocation. T represents any investment terminated by the Board of Trustees.