



Pension Plan

Employees' Retirement System
of Milwaukee County
Monthly Update
November 30, 2017

Market Value: \$1,752.1 Million and 100.0% of Fund

Investment Manager	Asset Class	Status	Reason
Mellon Capital (Index)	Core Fixed Income	In Compliance	---
Galliard	Core Fixed Income	In Compliance	---
Boston Partners	Large-Cap Value	In Compliance	---
Mellon Capital (Index)	Large-Cap Core	In Compliance	---
Artisan Partners	Mid-Cap Growth	Alert	Performance
NTGI S&P 400 Mid-Cap (Index)	Mid-Cap Core	In Compliance	---
Silvercrest Asset Management	Small-Cap Value	In Compliance	---
Mesirow	Small-Cap Value	On Notice	Performance & Organizational Issues
NTGI ACWI Ex-US IMI (Index)	Non-U.S. All-Cap Core	In Compliance	---
Segall Bryant & Hamill Intl Sm Cap	Non-U.S. Small-Cap Value	In Compliance	---
OFI Institutional Asset Management	Emerging Markets	Alert	Professional Turnover
ABS	Hedged Equity Hedge FoF	Alert	Performance
Parametric Defensive Equity	Long/Short Hedge Fund	In Compliance	---
American Realty Advisors	Core Real Estate	In Compliance	---
Morgan Stanley	Core Real Estate	In Compliance	---
UBS	Core Real Estate	In Compliance	---
IFM	Core Infrastructure	In Compliance	---
J.P. Morgan Infrastructure	Core Infrastructure	In Compliance	---
Adams Street	Private Equity	In Compliance	---
Siguler Guff II	U.S. Private Equity FoF	In Compliance	---
Siguler Guff III	U.S. Private Equity FoF	In Compliance	---
Mesirow VI	U.S. Private Equity FoF	In Compliance	---

Investment Manager Evaluation Terminology

The following terminology has been developed by Marquette Associates to facilitate efficient communication among the Investment Manager, Investment Consultant, and the Plan Sponsor. Each term signifies a particular status with the Fund and any conditions that may require improvement. In each case, communication is made only after consultation with the Trustees and/or the Investment Committee of the Plan.

In Compliance – The investment manager states it is acting in accordance with the Investment Policy Guidelines.

Alert – The investment manager is notified of a problem in performance (usually related to a benchmark or volatility measure), a change in investment characteristics, an alteration in management style or key investment professionals, and/or any other irregularities.

On Notice – The investment manager is notified of continued concern with one or more Alert issues. Failure to improve upon stated issues within a specific time frame justifies termination.

Termination – The Trustees have decided to terminate the investment manager. The investment manager is notified and transition plans are in place.

Total Fund Composite

Market Value: \$1,752.1 Million and 100.0% of Fund

Ending November 30, 2017

Asset Class	Market Value (\$)	3 Mo Net Cash Flows (\$)	% of Portfolio	Policy %	Policy Difference (\$)
Total Fund Composite	1,752,052,424	-30,031,198	100.0	100.0	0
Fixed Income Composite	268,703,274	0	15.3	18.0	-46,666,162
Mellon Capital (Index)	96,017,666	0	5.5		
Galliard	172,677,079	0	9.9		
U.S. Equity Composite	431,651,574	-14,000,000	24.6	25.0	-6,361,533
Boston Partners	128,706,249	0	7.3	7.0	6,062,579
Mellon Capital (Index)	98,230,389	-6,000,000	5.6	6.0	-6,892,756
Artisan Partners	51,499,364	0	2.9	2.5	7,698,053
NTGI S&P 400 Mid-Cap (Index)	41,978,250	-8,000,000	2.4	3.5	-19,343,585
Mesirow	56,766,593	0	3.2	3.0	4,205,020
Silvercrest Asset Management	54,462,535	0	3.1	3.0	1,900,962
International Equity Composite	363,811,624	-12,138,909	20.8	20.0	13,401,139
NTGI ACWI Ex-US IMI (Index)	223,046,904	-12,000,000	12.7	13.0	-4,719,911
OFI Institutional Asset Management	68,382,552	-138,909	3.9	3.0	15,820,979
Segall Bryant & Hamill Intl Sm Cap	72,382,168	0	4.1	4.0	2,300,071
Hedged Equity Composite	165,692,362	26,694	9.5	8.5	16,767,906
ABS	72,528,465	26,694	4.1		
Parametric Defensive Equity	93,163,897	0	5.3		
Real Estate Composite	175,570,744	-2,178,099	10.0	10.0	365,502
American Realty Advisors	41,011,228	-612,822	2.3		
Morgan Stanley	93,476,810	-1,135,710	5.3		
UBS	41,077,639	-429,567	2.3		
Infrastructure Composite	163,357,543	-2,101,545	9.3	8.5	14,433,087
IFM	82,796,488	-496,774	4.7		
J.P. Morgan Infrastructure	80,561,055	-1,604,771	4.6		

Total Fund Composite

Market Value: \$1,752.1 Million and 100.0% of Fund

Ending November 30, 2017

	Asset Class	Market Value (\$)	3 Mo Net Cash Flows (\$)	% of Portfolio	Policy %	Policy Difference (\$)
Private Equity Composite		142,872,830	-5,300,482	8.2	10.0	-32,332,413
Progress	U.S. Private Equity FoF	25,924	0	0.0		
Brinson 1998	U.S. Private Equity FoF	75,184	0	0.0		
Brinson 1999	U.S. Private Equity FoF	97,526	0	0.0		
Brinson 2000	U.S. Private Equity FoF	165,320	0	0.0		
Brinson 2001	U.S. Private Equity FoF	513,740	0	0.0		
Brinson 2002	U.S. Private Equity FoF	140,582	-101,752	0.0		
Brinson 2003	U.S. Private Equity FoF	435,939	0	0.0		
Brinson 2004	U.S. Private Equity FoF	523,851	0	0.0		
Adams Street 2005	U.S. Private Equity FoF	3,235,592	-363,634	0.2		
Adams Street 2009	U.S. Private Equity FoF	23,202,801	-888,703	1.3		
Adams Street 2012	Global Divers. Private Equity FoF	30,173,851	0	1.7		
Adams Street Co-Investment III	Private Equity Co- Investment	19,444,913	-325,836	1.1		
Siguler Guff II	U.S. Private Equity FoF	36,244,402	-380,918	2.1		
Siguler Guff III	U.S. Private Equity FoF	12,175,249	-4,589,639	0.7		
Mesirov VI	U.S. Private Equity FoF	16,417,955	1,350,000	0.9		
Total Cash Equivalents		40,392,474	5,661,143	2.3	0.0	40,392,474

Total Fund Composite

Annualized Performance (Net of Fees)

Market Value: \$1,752.1 Million and 100.0% of Fund

Ending November 30, 2017

	1 Mo	3 Mo	YTD	1 Yr	2 Yrs	3 Yrs	4 Yrs	5 Yrs	7 Yrs	10 Yrs
Total Fund Composite	1.0%	3.7%	13.6%	15.2%	9.9%	7.4%	7.5%	9.0%	8.3%	5.6%
<i>Total Fund Benchmark</i>	1.0%	3.5%	12.2%	13.6%	9.3%	6.7%	6.8%	8.4%	8.0%	5.3%
Fixed Income Composite	-0.1%	-0.3%	2.4%	2.5%	2.2%	2.0%	2.7%	2.0%	3.0%	4.2%
<i>BBgBarc US Aggregate TR</i>	-0.1%	-0.5%	3.1%	3.2%	2.7%	2.1%	2.9%	2.0%	3.0%	4.0%
U.S. Equity Composite	2.8%	8.3%	17.5%	19.0%	13.4%	9.8%	10.3%	14.6%	13.1%	8.2%
<i>Wilshire 5000 Total Market</i>	3.0%	7.8%	19.7%	22.2%	15.3%	10.9%	12.1%	15.7%	14.4%	8.5%
International Equity Composite	0.5%	4.2%	26.5%	29.0%	14.2%	7.5%	6.3%	8.7%	6.9%	1.9%
<i>MSCI ACWI ex USA</i>	0.8%	4.6%	24.4%	27.6%	12.9%	5.7%	4.4%	7.1%	5.7%	1.5%
Hedged Equity Composite	1.0%	2.9%	11.5%	12.6%	6.3%	5.2%	5.6%	8.0%	6.1%	--
<i>HFRX Equity Hedge Index</i>	0.9%	3.5%	8.9%	9.0%	3.8%	1.9%	2.2%	3.8%	1.0%	-0.7%
<i>Russell 3000</i>	3.0%	7.9%	19.9%	22.3%	15.1%	10.8%	11.9%	15.6%	14.4%	8.4%
<i>MSCI ACWI</i>	1.9%	6.1%	22.0%	24.6%	13.7%	8.0%	8.0%	10.9%	9.6%	4.4%
Real Estate Composite	0.0%	1.9%	5.4%	7.3%	8.2%	10.4%	10.9%	11.4%	12.0%	6.6%
<i>Custom Real Estate Benchmark</i>	0.0%	0.5%	4.7%	5.4%	6.8%	9.1%	9.7%	10.3%	11.0%	5.1%
<i>NFI</i>	0.0%	0.5%	4.7%	5.4%	6.8%	9.1%	9.7%	10.3%	11.0%	3.9%
Infrastructure Composite	0.4%	4.0%	13.7%	14.1%	8.8%	6.3%	5.7%	5.9%	6.8%	--
<i>CPI +4%</i>	0.3%	1.5%	5.9%	6.3%	6.0%	5.5%	5.5%	5.4%	5.8%	5.7%
Private Equity Composite	0.0%	-0.6%	5.7%	9.7%	8.5%	8.4%	10.4%	9.3%	10.2%	7.2%
<i>Cambridge Associates All PE</i>	0.0%	0.0%	8.6%	9.5%	9.4%	8.8%	9.8%	11.6%	11.5%	7.9%

Investment Manager

Annualized Performance (Net of Fees)

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Ending November 30, 2017

	1 Mo	3 Mo	YTD	1 Yr	2 Yrs	3 Yrs	4 Yrs	5 Yrs	7 Yrs	10 Yrs
Total Fund Composite	1.0%	3.7%	13.6%	15.2%	9.9%	7.4%	7.5%	9.0%	8.3%	5.6%
<i>Total Fund Benchmark</i>	1.0%	3.5%	12.2%	13.6%	9.3%	6.7%	6.8%	8.4%	8.0%	5.3%
Fixed Income Composite	-0.1%	-0.3%	2.4%	2.5%	2.2%	2.0%	2.7%	2.0%	3.0%	4.2%
<i>BBgBarc US Aggregate TR</i>	-0.1%	-0.5%	3.1%	3.2%	2.7%	2.1%	2.9%	2.0%	3.0%	4.0%
Mellon Capital (Index)	-0.1%	-0.6%	3.0%	3.2%	2.6%	2.0%	2.8%	1.9%	2.9%	3.9%
<i>BBgBarc US Aggregate TR</i>	-0.1%	-0.5%	3.1%	3.2%	2.7%	2.1%	2.9%	2.0%	3.0%	4.0%
Galliard	0.0%	-0.2%	--	--	--	--	--	--	--	--
<i>BBgBarc US Aggregate TR</i>	-0.1%	-0.5%	3.1%	3.2%	2.7%	2.1%	2.9%	2.0%	3.0%	4.0%
U.S. Equity Composite	2.8%	8.3%	17.5%	19.0%	13.4%	9.8%	10.3%	14.6%	13.1%	8.2%
<i>Wilshire 5000 Total Market</i>	3.0%	7.8%	19.7%	22.2%	15.3%	10.9%	12.1%	15.7%	14.4%	8.5%
Boston Partners	2.9%	8.2%	17.3%	19.1%	14.3%	8.9%	10.4%	15.0%	14.4%	8.6%
<i>Russell 1000 Value</i>	3.1%	6.9%	12.0%	14.8%	13.4%	8.3%	10.1%	14.2%	13.5%	6.8%
Mellon Capital (Index)	3.1%	7.6%	20.4%	22.8%	15.2%	10.9%	12.3%	15.7%	14.6%	8.3%
<i>S&P 500</i>	3.1%	7.6%	20.5%	22.9%	15.2%	10.9%	12.4%	15.7%	14.6%	8.3%
Artisan Partners	0.9%	4.0%	21.0%	18.4%	8.4%	7.0%	7.8%	13.1%	12.4%	9.2%
<i>Russell MidCap Growth</i>	3.3%	9.2%	24.6%	25.0%	14.3%	10.0%	11.4%	15.6%	13.7%	9.1%
NTGI S&P 400 Mid-Cap (Index)	3.7%	10.2%	--	--	--	--	--	--	--	--
<i>S&P 400 MidCap</i>	3.7%	10.2%	16.0%	18.5%	15.8%	11.4%	11.6%	15.5%	13.8%	9.9%
Mesirow	2.6%	8.1%	12.7%	15.3%	11.0%	9.4%	8.4%	13.6%	11.2%	--
<i>Russell 2000 Value</i>	2.9%	10.3%	8.9%	13.4%	16.6%	10.9%	9.0%	14.2%	12.3%	8.2%
Silvercrest Asset Management	3.6%	13.1%	13.0%	16.6%	17.8%	13.7%	11.2%	--	--	--
<i>Russell 2000 Value</i>	2.9%	10.3%	8.9%	13.4%	16.6%	10.9%	9.0%	14.2%	12.3%	8.2%
International Equity Composite	0.5%	4.2%	26.5%	29.0%	14.2%	7.5%	6.3%	8.7%	6.9%	1.9%
<i>MSCI ACWI ex USA</i>	0.8%	4.6%	24.4%	27.6%	12.9%	5.7%	4.4%	7.1%	5.7%	1.5%
NTGI ACWI Ex-US IMI (Index)	0.9%	4.8%	25.2%	28.3%	13.5%	6.6%	5.1%	7.7%	--	--
<i>MSCI ACWI ex USA IMI</i>	0.9%	4.8%	24.9%	28.0%	13.3%	6.3%	4.8%	7.5%	6.0%	1.8%
OFI Institutional Asset Management	-0.4%	2.4%	31.4%	31.2%	17.4%	4.3%	4.0%	--	--	--
<i>MSCI Emerging Markets</i>	0.2%	3.3%	32.5%	32.8%	20.0%	6.1%	4.8%	4.6%	3.1%	1.4%
Segall Bryant & Hamill Intl Sm Cap	-0.1%	3.9%	27.1%	29.7%	--	--	--	--	--	--
<i>MSCI EAFE Small Cap</i>	1.6%	6.2%	29.6%	33.3%	15.5%	13.0%	9.0%	13.2%	10.5%	5.1%

Investment Manager

Annualized Performance (Net of Fees)

Market Value: \$1,752.1 Million and 100.0% of Fund

Ending November 30, 2017

	1 Mo	3 Mo	YTD	1 Yr	2 Yrs	3 Yrs	4 Yrs	5 Yrs	7 Yrs	10 Yrs
Hedged Equity Composite	1.0%	2.9%	11.5%	12.6%	6.3%	5.2%	5.6%	8.0%	6.1%	--
<i>HFRX Equity Hedge Index</i>	0.9%	3.5%	8.9%	9.0%	3.8%	1.9%	2.2%	3.8%	1.0%	-0.7%
<i>Russell 3000</i>	3.0%	7.9%	19.9%	22.3%	15.1%	10.8%	11.9%	15.6%	14.4%	8.4%
<i>MSCI ACWI</i>	1.9%	6.1%	22.0%	24.6%	13.7%	8.0%	8.0%	10.9%	9.6%	4.4%
ABS	0.7%	2.5%	12.6%	13.9%	3.6%	4.2%	4.8%	7.5%	5.7%	--
<i>HFRX Equity Hedge Index</i>	0.9%	3.5%	8.9%	9.0%	3.8%	1.9%	2.2%	3.8%	1.0%	-0.7%
<i>Russell 3000</i>	3.0%	7.9%	19.9%	22.3%	15.1%	10.8%	11.9%	15.6%	14.4%	8.4%
<i>MSCI ACWI</i>	1.9%	6.1%	22.0%	24.6%	13.7%	8.0%	8.0%	10.9%	9.6%	4.4%
Parametric Defensive Equity	1.3%	3.3%	10.9%	11.8%	9.3%	--	--	--	--	--
<i>HFRX Equity Hedge Index</i>	0.9%	3.5%	8.9%	9.0%	3.8%	1.9%	2.2%	3.8%	1.0%	-0.7%
<i>S&P 500</i>	3.1%	7.6%	20.5%	22.9%	15.2%	10.9%	12.4%	15.7%	14.6%	8.3%
Real Estate Composite	0.0%	1.9%	5.4%	7.3%	8.2%	10.4%	10.9%	11.4%	12.0%	6.6%
<i>Custom Real Estate Benchmark</i>	0.0%	0.5%	4.7%	5.4%	6.8%	9.1%	9.7%	10.3%	11.0%	5.1%
<i>NFI</i>	0.0%	0.5%	4.7%	5.4%	6.8%	9.1%	9.7%	10.3%	11.0%	3.9%
American Realty Advisors	0.0%	1.6%	5.5%	6.5%	7.2%	9.1%	9.7%	10.0%	--	--
<i>NFI</i>	0.0%	0.5%	4.7%	5.4%	6.8%	9.1%	9.7%	10.3%	11.0%	3.9%
Morgan Stanley	0.0%	2.2%	6.5%	9.1%	9.5%	11.6%	12.0%	12.7%	13.4%	--
<i>NFI</i>	0.0%	0.5%	4.7%	5.4%	6.8%	9.1%	9.7%	10.3%	11.0%	3.9%
UBS	0.0%	1.2%	2.8%	4.3%	6.1%	7.9%	8.3%	8.4%	--	--
<i>NFI</i>	0.0%	0.5%	4.7%	5.4%	6.8%	9.1%	9.7%	10.3%	11.0%	3.9%
Infrastructure Composite	0.4%	4.0%	13.7%	14.1%	8.8%	6.3%	5.7%	5.9%	6.8%	--
<i>CPI +4%</i>	0.3%	1.5%	5.9%	6.3%	6.0%	5.5%	5.5%	5.4%	5.8%	5.7%
IFM	0.8%	3.3%	16.0%	18.8%	11.7%	9.1%	7.6%	7.3%	8.3%	--
<i>CPI +4%</i>	0.3%	1.5%	5.9%	6.3%	6.0%	5.5%	5.5%	5.4%	5.8%	5.7%
J.P. Morgan Infrastructure	0.0%	4.8%	11.4%	9.5%	6.1%	3.8%	4.0%	4.6%	5.2%	--
<i>CPI +4%</i>	0.3%	1.5%	5.9%	6.3%	6.0%	5.5%	5.5%	5.4%	5.8%	5.7%

Investment Manager

Annualized Performance (Net of Fees)

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Ending November 30, 2017

	1 Mo	3 Mo	YTD	1 Yr	2 Yrs	3 Yrs	4 Yrs	5 Yrs	7 Yrs	10 Yrs
Private Equity Composite	0.0%	-0.6%	5.7%	9.7%	8.5%	8.4%	10.4%	9.3%	10.2%	7.2%
Cambridge Associates All PE	0.0%	0.0%	8.6%	9.5%	9.4%	8.8%	9.8%	11.6%	11.5%	7.9%
Progress	0.0%	0.0%	0.0%	0.0%	0.0%	-5.2%	-0.4%	-1.9%	-1.1%	-5.2%
Cambridge Associates All PE	0.0%	0.0%	8.6%	9.5%	9.4%	8.8%	9.8%	11.6%	11.5%	7.9%
Brinson 1998	0.0%	0.2%	0.5%	0.1%	0.6%	1.4%	1.1%	1.2%	0.0%	0.8%
Cambridge Associates All PE	0.0%	0.0%	8.6%	9.5%	9.4%	8.8%	9.8%	11.6%	11.5%	7.9%
Brinson 1999	0.0%	0.0%	-0.2%	-2.3%	-0.3%	-1.9%	-1.4%	0.9%	2.6%	0.4%
Cambridge Associates All PE	0.0%	0.0%	8.6%	9.5%	9.4%	8.8%	9.8%	11.6%	11.5%	7.9%
Brinson 2000	0.0%	2.6%	4.6%	4.1%	2.8%	-0.1%	0.5%	0.2%	3.1%	2.1%
Cambridge Associates All PE	0.0%	0.0%	8.6%	9.5%	9.4%	8.8%	9.8%	11.6%	11.5%	7.9%
Brinson 2001	0.0%	-0.1%	1.9%	-1.7%	1.5%	-2.0%	0.5%	2.9%	4.9%	3.2%
Cambridge Associates All PE	0.0%	0.0%	8.6%	9.5%	9.4%	8.8%	9.8%	11.6%	11.5%	7.9%
Brinson 2002	0.0%	1.5%	5.3%	5.3%	10.2%	4.4%	3.5%	4.3%	6.3%	3.1%
Cambridge Associates All PE	0.0%	0.0%	8.6%	9.5%	9.4%	8.8%	9.8%	11.6%	11.5%	7.9%
Brinson 2003	0.0%	4.4%	10.1%	8.9%	8.4%	8.0%	9.3%	10.5%	7.3%	6.5%
Cambridge Associates All PE	0.0%	0.0%	8.6%	9.5%	9.4%	8.8%	9.8%	11.6%	11.5%	7.9%
Brinson 2004	0.0%	6.5%	13.3%	14.8%	8.4%	5.9%	5.7%	8.3%	9.9%	7.5%
Cambridge Associates All PE	0.0%	0.0%	8.6%	9.5%	9.4%	8.8%	9.8%	11.6%	11.5%	7.9%
Adams Street 2005	0.0%	0.0%	5.2%	5.1%	5.7%	5.7%	7.5%	8.2%	9.5%	6.4%
Cambridge Associates All PE	0.0%	0.0%	8.6%	9.5%	9.4%	8.8%	9.8%	11.6%	11.5%	7.9%
Adams Street 2009	0.0%	0.0%	7.5%	9.1%	8.7%	10.5%	12.5%	12.2%	12.3%	--
Cambridge Associates All PE	0.0%	0.0%	8.6%	9.5%	9.4%	8.8%	9.8%	11.6%	11.5%	7.9%
Adams Street 2012	0.0%	0.0%	7.3%	9.8%	7.0%	7.2%	9.2%	6.0%	--	--
Cambridge Associates All PE	0.0%	0.0%	8.6%	9.5%	9.4%	8.8%	9.8%	11.6%	11.5%	7.9%
Adams Street Co-Investment III	0.0%	0.0%	2.0%	16.1%	12.6%	4.0%	--	--	--	--
Cambridge Associates All PE	0.0%	0.0%	8.6%	9.5%	9.4%	8.8%	9.8%	11.6%	11.5%	7.9%
Siguler Guff II	0.0%	-0.1%	6.9%	11.8%	9.8%	9.6%	12.4%	8.6%	--	--
Cambridge Associates All PE	0.0%	0.0%	8.6%	9.5%	9.4%	8.8%	9.8%	11.6%	11.5%	7.9%
Siguler Guff III	0.0%	-5.0%	-0.6%	2.8%	--	--	--	--	--	--
Cambridge Associates All PE	0.0%	0.0%	8.6%	9.5%	9.4%	8.8%	9.8%	11.6%	11.5%	7.9%
Mesirow VI	0.0%	0.0%	8.3%	12.3%	8.3%	--	--	--	--	--
Cambridge Associates All PE	0.0%	0.0%	8.6%	9.5%	9.4%	8.8%	9.8%	11.6%	11.5%	7.9%

Investment Manager

Annualized Performance (Net of Fees)

Market Value: \$1,752.1 Million and 100.0% of Fund

Ending November 30, 2017

	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
Total Fund Composite	7.0%	2.3%	5.4%	15.4%	11.2%	0.3%	12.2%	18.4%	-22.5%	6.0%
<i>Total Fund Benchmark</i>	7.6%	1.2%	5.3%	15.0%	10.8%	1.0%	12.5%	20.0%	-24.8%	6.6%
<i>InvestorForce Public DB Net Rank</i>	63	2	53	45	61	57	50	54	42	86
Fixed Income Composite	2.5%	1.1%	5.6%	-1.4%	4.7%	7.3%	6.8%	15.3%	-1.5%	6.1%
<i>BBgBarc US Aggregate TR</i>	2.6%	0.5%	6.0%	-2.0%	4.2%	7.8%	6.5%	5.9%	5.2%	7.0%
<i>InvestorForce Public DB Total Fix Inc Net Rank</i>	70	20	17	51	61	27	67	35	53	63
Mellon Capital (Index)	2.5%	0.5%	6.0%	-2.2%	4.2%	7.7%	6.6%	5.6%	5.5%	7.0%
<i>BBgBarc US Aggregate TR</i>	2.6%	0.5%	6.0%	-2.0%	4.2%	7.8%	6.5%	5.9%	5.2%	7.0%
<i>eV US Core Fixed Inc Net Rank</i>	76	60	33	80	88	28	73	81	29	27
Galliard	--	--	--	--	--	--	--	--	--	--
<i>BBgBarc US Aggregate TR</i>	2.6%	0.5%	6.0%	-2.0%	4.2%	7.8%	6.5%	5.9%	5.2%	7.0%
<i>eV US Core Fixed Inc Net Rank</i>	--	--	--	--	--	--	--	--	--	--
U.S. Equity Composite	12.9%	-0.7%	9.5%	34.4%	16.2%	-1.4%	19.2%	32.0%	-36.9%	5.5%
<i>Wilshire 5000 Total Market</i>	13.4%	0.7%	12.7%	33.1%	16.1%	1.0%	17.2%	28.3%	-37.2%	5.6%
<i>InvestorForce Public DB US Eq Net Rank</i>	45	64	73	44	40	82	31	22	41	41
Boston Partners	14.5%	-4.1%	11.6%	36.8%	21.0%	1.1%	13.4%	26.7%	-33.3%	5.1%
<i>Russell 1000 Value</i>	17.3%	-3.8%	13.5%	32.5%	17.5%	0.4%	15.5%	19.7%	-36.8%	-0.2%
<i>eV US Large Cap Value Equity Net Rank</i>	43	61	48	27	7	40	52	39	31	44
Mellon Capital (Index)	11.9%	1.3%	13.6%	32.4%	16.0%	2.1%	14.9%	26.5%	-37.0%	5.5%
<i>S&P 500</i>	12.0%	1.4%	13.7%	32.4%	16.0%	2.1%	15.1%	26.5%	-37.0%	5.5%
<i>eV US Large Cap Core Equity Net Rank</i>	21	37	33	44	31	26	24	42	63	65
Artisan Partners	-0.6%	2.5%	6.1%	38.5%	20.2%	-1.6%	32.3%	50.7%	-43.4%	21.1%
<i>Russell MidCap Growth</i>	7.3%	-0.2%	11.9%	35.7%	15.8%	-1.7%	26.4%	46.3%	-44.3%	11.4%
<i>eV US Mid Cap Growth Equity Net Rank</i>	95	20	63	23	2	40	11	11	44	43
NTGI S&P 400 Mid-Cap (Index)	--	--	--	--	--	--	--	--	--	--
<i>S&P 400 MidCap</i>	20.7%	-2.2%	9.8%	33.5%	17.9%	-1.7%	26.6%	37.4%	-36.2%	8.0%
<i>eV US Mid Cap Core Equity Net Rank</i>	--	--	--	--	--	--	--	--	--	--
Mesirow	15.0%	-0.4%	5.7%	35.3%	10.7%	-4.4%	24.3%	--	--	--
<i>Russell 2000 Value</i>	31.7%	-7.5%	4.2%	34.5%	18.0%	-5.5%	24.5%	20.6%	-28.9%	-9.8%
<i>eV US Small Cap Value Equity Net Rank</i>	97	10	44	64	90	59	62	--	--	--
Silvercrest Asset Management	29.1%	-2.4%	5.1%	--	--	--	--	--	--	--
<i>Russell 2000 Value</i>	31.7%	-7.5%	4.2%	34.5%	18.0%	-5.5%	24.5%	20.6%	-28.9%	-9.8%
<i>eV US Small Cap Value Equity Net Rank</i>	27	20	50	--	--	--	--	--	--	--

Investment Manager

Annualized Performance (Net of Fees)

Market Value: \$1,752.1 Million and 100.0% of Fund

Ending November 30, 2017

	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
International Equity Composite	4.1%	-2.0%	-2.2%	16.0%	16.5%	-13.0%	12.5%	29.1%	-43.9%	6.3%
MSCI ACWI ex USA	4.5%	-5.7%	-3.9%	15.3%	16.8%	-13.7%	11.2%	41.4%	-45.5%	16.7%
InvestorForce Public DB ex-US Eq Net Rank	54	27	24	58	84	39	41	84	58	94
NTGI ACWI Ex-US IMI (Index)	4.7%	-4.4%	-3.7%	16.1%	--	--	--	--	--	--
MSCI ACWI ex USA IMI	4.4%	-4.6%	-3.9%	15.8%	17.0%	-14.3%	12.7%	43.6%	-46.0%	16.1%
eV Non-US Diversified Eq Gross Rank	23	89	54	86	--	--	--	--	--	--
OFI Institutional Asset Management	7.1%	-13.6%	-4.6%	--	--	--	--	--	--	--
MSCI Emerging Markets	11.2%	-14.9%	-2.2%	-2.6%	18.2%	-18.4%	18.9%	78.5%	-53.3%	39.4%
Diversified Emerging Mkts MStar MF Rank	56	48	76	--	--	--	--	--	--	--
Segall Bryant & Hamill Intl Sm Cap	--	--	--	--	--	--	--	--	--	--
MSCI EAFE Small Cap	2.2%	9.6%	-4.9%	29.3%	20.0%	-15.9%	22.0%	46.8%	-47.0%	1.4%
eV EAFE Small Cap Value Net Rank	--	--	--	--	--	--	--	--	--	--
Hedged Equity Composite	1.7%	2.1%	5.2%	19.1%	6.9%	-4.3%	--	--	--	--
HFRX Equity Hedge Index	0.1%	-2.3%	1.4%	11.1%	4.8%	-19.1%	8.9%	13.1%	-25.5%	3.2%
Russell 3000	12.7%	0.5%	12.6%	33.6%	16.4%	1.0%	16.9%	28.3%	-37.3%	5.1%
MSCI ACWI	7.9%	-2.4%	4.2%	22.8%	16.1%	-7.3%	12.7%	34.6%	-42.2%	11.7%
InvestorForce Public DB Hedge Funds Net Rank	55	22	28	1	56	90	--	--	--	--
ABS	-4.3%	4.0%	4.9%	20.6%	5.2%	-3.0%	--	--	--	--
HFRX Equity Hedge Index	0.1%	-2.3%	1.4%	11.1%	4.8%	-19.1%	8.9%	13.1%	-25.5%	3.2%
Russell 3000	12.7%	0.5%	12.6%	33.6%	16.4%	1.0%	16.9%	28.3%	-37.3%	5.1%
MSCI ACWI	7.9%	-2.4%	4.2%	22.8%	16.1%	-7.3%	12.7%	34.6%	-42.2%	11.7%
Parametric Defensive Equity	8.2%	--	--	--	--	--	--	--	--	--
HFRX Equity Hedge Index	0.1%	-2.3%	1.4%	11.1%	4.8%	-19.1%	8.9%	13.1%	-25.5%	3.2%
S&P 500	12.0%	1.4%	13.7%	32.4%	16.0%	2.1%	15.1%	26.5%	-37.0%	5.5%
Real Estate Composite	7.8%	14.2%	13.0%	14.2%	11.0%	13.0%	14.4%	34.9%	-38.6%	-16.2%
Custom Real Estate Benchmark	7.8%	13.9%	11.5%	12.9%	9.8%	15.0%	15.1%	33.7%	-45.0%	-11.1%
NFI	7.8%	13.9%	11.5%	12.9%	9.8%	15.0%	15.3%	-30.4%	-10.7%	14.8%
InvestorForce All DB Real Estate Priv Net Rank	50	36	19	22	30	60	43	2	99	99
American Realty Advisors	6.1%	14.3%	10.6%	11.3%	10.2%	13.8%	--	--	--	--
NFI	7.8%	13.9%	11.5%	12.9%	9.8%	15.0%	15.3%	-30.4%	-10.7%	14.8%
Morgan Stanley	9.2%	14.6%	14.2%	16.2%	11.7%	16.5%	--	--	--	--
NFI	7.8%	13.9%	11.5%	12.9%	9.8%	15.0%	15.3%	-30.4%	-10.7%	14.8%
UBS	6.2%	11.7%	10.4%	9.2%	--	--	--	--	--	--
NFI	7.8%	13.9%	11.5%	12.9%	9.8%	15.0%	15.3%	-30.4%	-10.7%	14.8%

Investment Manager

Annualized Performance (Net of Fees)

Market Value: \$1,752.1 Million and 100.0% of Fund

Ending November 30, 2017

	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
Infrastructure Composite	3.5%	3.6%	-0.4%	6.6%	10.9%	7.6%	--	--	--	--
CPI +4%	6.2%	4.8%	4.8%	5.6%	5.8%	7.1%	5.6%	6.8%	4.1%	8.2%
IFM	6.1%	5.4%	1.1%	6.5%	11.5%	6.7%	--	--	--	--
CPI +4%	6.2%	4.8%	4.8%	5.6%	5.8%	7.1%	5.6%	6.8%	4.1%	8.2%
J.P. Morgan Infrastructure	1.1%	2.2%	-1.5%	6.9%	10.1%	6.7%	--	--	--	--
CPI +4%	6.2%	4.8%	4.8%	5.6%	5.8%	7.1%	5.6%	6.8%	4.1%	8.2%
Private Equity Composite	10.8%	6.6%	11.2%	9.8%	11.6%	8.6%	18.0%	12.1%	-21.5%	18.9%
Cambridge Associates All PE	9.7%	7.3%	11.1%	20.5%	12.5%	8.0%	19.7%	14.1%	-25.6%	23.6%
Progress	0.0%	-12.8%	13.0%	-7.0%	44.1%	-28.4%	2.7%	-22.3%	-17.6%	-3.8%
Cambridge Associates All PE	9.7%	7.3%	11.1%	20.5%	12.5%	8.0%	19.7%	14.1%	-25.6%	23.6%
Brinson 1998	-0.8%	3.8%	0.7%	1.0%	5.2%	-12.4%	5.7%	6.1%	-4.7%	32.1%
Cambridge Associates All PE	9.7%	7.3%	11.1%	20.5%	12.5%	8.0%	19.7%	14.1%	-25.6%	23.6%
Brinson 1999	-2.0%	7.5%	-13.5%	14.7%	5.8%	3.3%	8.1%	5.5%	-24.0%	19.5%
Cambridge Associates All PE	9.7%	7.3%	11.1%	20.5%	12.5%	8.0%	19.7%	14.1%	-25.6%	23.6%
Brinson 2000	-2.9%	1.0%	-7.3%	7.1%	5.2%	8.3%	10.7%	14.8%	-20.6%	25.1%
Cambridge Associates All PE	9.7%	7.3%	11.1%	20.5%	12.5%	8.0%	19.7%	14.1%	-25.6%	23.6%
Brinson 2001	-5.3%	-4.4%	6.5%	16.5%	9.2%	5.6%	11.9%	13.2%	-20.4%	19.8%
Cambridge Associates All PE	9.7%	7.3%	11.1%	20.5%	12.5%	8.0%	19.7%	14.1%	-25.6%	23.6%
Brinson 2002	11.1%	-0.3%	-8.6%	17.2%	7.1%	8.4%	23.5%	14.5%	-32.2%	3.0%
Cambridge Associates All PE	9.7%	7.3%	11.1%	20.5%	12.5%	8.0%	19.7%	14.1%	-25.6%	23.6%
Brinson 2003	2.7%	5.4%	15.3%	21.3%	2.6%	-3.2%	11.0%	12.0%	-15.5%	24.1%
Cambridge Associates All PE	9.7%	7.3%	11.1%	20.5%	12.5%	8.0%	19.7%	14.1%	-25.6%	23.6%
Brinson 2004	4.4%	-0.8%	4.3%	18.4%	7.2%	13.8%	24.5%	11.4%	-20.8%	20.4%
Cambridge Associates All PE	9.7%	7.3%	11.1%	20.5%	12.5%	8.0%	19.7%	14.1%	-25.6%	23.6%
Adams Street 2005	4.9%	5.2%	7.9%	15.8%	10.2%	8.3%	17.8%	11.5%	-20.5%	15.3%
Cambridge Associates All PE	9.7%	7.3%	11.1%	20.5%	12.5%	8.0%	19.7%	14.1%	-25.6%	23.6%
Adams Street 2009	8.2%	9.9%	16.3%	16.1%	7.0%	14.2%	29.6%	--	--	--
Cambridge Associates All PE	9.7%	7.3%	11.1%	20.5%	12.5%	8.0%	19.7%	14.1%	-25.6%	23.6%
Adams Street 2012	5.9%	6.3%	11.0%	0.9%	--	--	--	--	--	--
Cambridge Associates All PE	9.7%	7.3%	11.1%	20.5%	12.5%	8.0%	19.7%	14.1%	-25.6%	23.6%
Adams Street Co-Investment III	28.9%	-2.8%	--	--	--	--	--	--	--	--
Cambridge Associates All PE	9.7%	7.3%	11.1%	20.5%	12.5%	8.0%	19.7%	14.1%	-25.6%	23.6%
Siguler Guff II	13.9%	6.9%	13.1%	-0.2%	--	--	--	--	--	--
Cambridge Associates All PE	9.7%	7.3%	11.1%	20.5%	12.5%	8.0%	19.7%	14.1%	-25.6%	23.6%

Total Fund Composite

Fee Schedule

Market Value: \$1,752.1 Million and 100.0% of Fund

Asset Class	Investment Manager	Fee Schedule	Expense Ratio & Estimated Annual Fee ¹	Industry Average ²
Core Fixed Income	Mellon Capital (Index)	0.04% on the first \$200 million 0.02% on the Balance	0.04% \$38,458	0.07%
Core Fixed Income	Galliard	0.20% on the first \$50 million 0.15% on the next \$50 million 0.10% on the Balance	0.14% \$247,736	0.23%
Large-Cap Value	Boston Partners	0.40% on the first \$15 million 0.30% on the next \$25 million 0.20% on the next \$25 million 0.15% on the next \$35 million 0.10% on the Balance	0.21% \$262,571	0.51%
Large-Cap Core	Mellon Capital (Index)	0.04% on the first \$200 million 0.02% on the Balance	0.04% \$40,497	0.05%
Mid-Cap Growth	Artisan Partners	0.80% on the first \$50 million 0.60% on the next \$50 million 0.50% on the Balance	0.80% \$406,043	0.68%
Mid-Cap Core	NTGI S&P 400 Mid-Cap (Index)	0.08% on the Balance	0.08% \$38,700	0.22%
Small-Cap Value	Silvercrest Asset Management	0.65% on the first \$50 million 0.55% on the Balance	0.65% \$339,093	0.82%
Small-Cap Value	Mesirow	0.70% on the first \$10 million 0.65% on the next \$40 million 0.60% on the next \$25 million 0.50% on the Balance	0.65% \$361,812	0.82%
Non-U.S. All-Cap Core	NTGI ACWI Ex-US IMI (Index)	0.08% on the Balance	0.08% \$176,822	0.10%
Non-U.S. Small-Cap Value	Segall Bryant & Hamill Intl Sm Cap	0.85% on the Balance	0.85% \$615,676	1.08%
Emerging Markets	OFI Institutional Asset Management	0.85% on the first \$50 million 0.80% on the next \$50 million 0.70% on the Balance	0.84% \$574,437	0.90%
Hedged Equity Hedge FoF	ABS	0.85% on the Balance *redemptions quarterly with 45 days notice	0.85% \$612,511	1.00%
Long/Short Hedge Fund	Parametric Defensive Equity	0.35% on the Balance	0.35% \$321,986	1.69%
Core Real Estate	American Realty Advisors	0.95% on the Balance	0.95% \$389,607	1.01%

Total Fund Composite

Fee Schedule

Market Value: \$1,752.1 Million and 100.0% of Fund

Asset Class	Investment Manager	Fee Schedule	Expense Ratio & Estimated Annual Fee ¹	Industry Average ²
Core Real Estate	Morgan Stanley	0.90% on the Balance	0.90% \$841,291	1.01%
Core Real Estate	UBS	0.955% on the first \$10 million 0.825% on the next \$15 million 0.805% on the next \$25 million 0.79% on the next \$50 million 0.67% on the next \$150 million 0.60% on the Balance	0.85% \$348,675	1.01%
Core Infrastructure	IFM	0.97% on the Balance Performance Fee: 20% of return above 8% on a rolling three year basis	0.97% \$801,561	2.00%
Core Infrastructure	J.P. Morgan Infrastructure	1.00% on the Balance Performance Fee: 15% with 7% Hurdle	1.00% \$768,108	2.00%
Private Equity	Adams Street	0.67% on the first \$50 million 0.60% on the Balance 10% carry on secondaries and co-invest (Effective Rate Over 15 Yr Term)	0.65% \$456,681	1.25%
U.S. Private Equity FoF	Siguler Guff II	0.69% on commitment	0.77% \$276,000	1.40%
U.S. Private Equity FoF	Siguler Guff III	0.89% on commitment	2.92% \$355,200	4.11%
U.S. Private Equity FoF	Mesirow VI	0.70% on commitment	1.28% \$210,000	2.28%
Cash Overlay	Northern Trust	0.07% on the first \$100 million 0.06% on the next \$150 million 0.05% on the Balance	0.07% \$19,472	0.16%
Total Investment Management Fees			0.49% \$8,502,938	0.78%
Custodian	BNY Mellon	\$100,000 Annual Fee (approximate)	\$100,000	N/A
Total Fund			0.49% \$8,602,938	

¹ Expense Ratio & Estimated Annual Fee are Based on Market Value at Month End.

² Source: 2016 Marquette Associates Investment Management Fee Study.