



**Chicago Park District** 

Park Employees and Retirement Board Employees' Annuity and Benefit Fund of Chicago Executive Summary December 31, 2017



## Manager Status

Market Value: \$376.4 Million and 100.0% of Fund

Chicago EquityCore Fixed IncomeIn ComplianceLM CapitalCore Fixed IncomeIn ComplianceMacKay ShieldsCore Fixed IncomeIn ComplianceUllico - W1MBS Fixed IncomeIn ComplianceNTGI Wilshire 5000All-Cap CoreIn ComplianceGreat LakesLarge-Cap ValueIn ComplianceNTGI S&P 400Mid-Cap CoreIn ComplianceArielSmid-Cap ValueIn ComplianceRBCSmall-Cap CoreAlertPerformanceNTGI ACWI ex. U.S.Non-U.S. All-Cap CoreIn ComplianceNTGI Emerging MarketsEmerging MarketsIn ComplianceNTGI Emerging MarketsEmerging MarketsIn ComplianceParametricLong/Short Hedge ForfTerminationAsset AllocationInvesco Balanced Risk AllocationRisk ParityIn ComplianceTrumbull Property FundCore Real EstateIn CompliancePrincipal Enhanced Property FundValue-Added Real EstateIn CompliancePrincipal Enhanced Property FundCore Real EstateIn CompliancePrincipal Enhanced Property FundValue-Added Real EstateI
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Trumbull Property Fund     Core Real Estate     In Compliance        Trumbull Income Fund     Core Real Estate     In Compliance
Trumbull Income Fund Core Real Estate In Compliance
Principal Enhanced Property Fund Value-Added Real Estate In Compliance
HarbourVest VII - Buyout Fund LBO Private Equity FoF In Compliance
HarbourVest VII - Mezzanine Mezz./Special Sit. Private Equity Fol In Compliance
HarbourVest VII - Venture Fund Venture Private Equity FoF In Compliance
HarbourVest 2017 Global Fund Global Divers. Private Equity FoF In Compliance
Mesirow Fund III U.S. Private Equity FoF In Compliance
Mesirow Fund IV U.S. Private Equity FoF In Compliance
Mesirow Fund IX Private Equity Co-Investment In Compliance
NYLCAP Fund I U.S. Private Equity FoF In Compliance
PineBridge V U.S. Private Equity FoF In Compliance
Ullico - Infrastructure Core Infrastructure In Compliance
IFM Global Infrastructure (U.S) Global Infrastructure 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

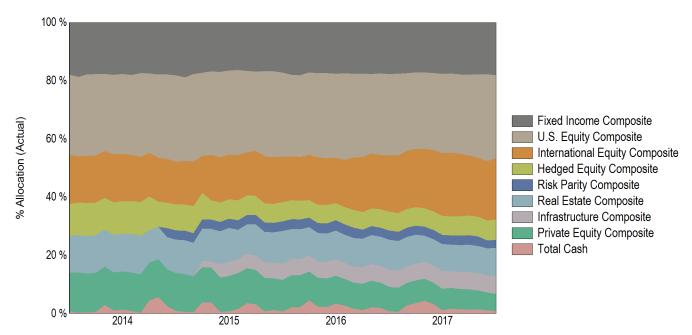
Ending	December	31, 2017
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		End	ing December			
	Asset Class	Market Value (\$)	3 Mo Net Cash Flows (\$)	% of Portfolio	Policy %	Policy Difference (\$)
Total Fund Composite		376,350,722	-16,720,628	100.0	100.0	0
Fixed Income Composite		67,641,321	-15,617	18.0	20.5	-9,510,577
Chicago Equity	Core Fixed Income	16,013,302	-48	4.3	5.5	-4,685,988
LM Capital	Core Fixed Income	20,349,633	-36	5.4	5.5	-349,657
MacKay Shields	Core Fixed Income	22,034,959	0	5.9	7.0	-4,309,592
Ullico - W1	MBS Fixed Income	9,243,427	-15,532	2.5	2.5	-165,341
U.S. Equity Composite		107,392,666	-4,901,022	28.5	28.5	132,710
NTGI Wilshire 5000	All-Cap Core	41,353,963	-900,000	11.0	12.5	-5,689,877
Great Lakes	Large-Cap Value	19,473,042	-2,000,325	5.2	5.0	655,506
NTGI S&P 400	Mid-Cap Core	7,697,154	2,500,000	2.0	3.0	-3,593,368
Ariel	Smid-Cap Value	26,626,913	-2,500,492	7.1	5.0	7,809,377
RBC	Small-Cap Core	12,241,594	-2,000,205	3.3	3.0	951,072
International Equity Composite		79,335,512	-2,506,769	21.1	20.0	4,065,367
NTGI ACWI ex. U.S.	Non-U.S. All-Cap Core	50,673,507	-2,001,384	13.5	13.0	1,747,913
William Blair	Non-U.S. Small-Cap Growth	20,340,568	0	5.4	5.0	1,523,032
NTGI Emerging Markets	Emerging Markets	8,312,278	-505,385	2.2	2.0	785,263
Hedged Equity Composite		26,402,440	0	7.0	7.0	57,889
Parametric	Long/Short Hedge Fund	25,160,062	0	6.7	7.0	-1,184,489
EnTrust	Hedged Equity Hedge FoF	1,242,378	0	0.3	0.0	1,242,378
Risk Parity Composite		10,388,615	-2,513,294	2.8	3.0	-901,906
Invesco Balanced Risk Allocation	Risk Parity	10,388,615	-2,513,294	2.8	3.0	-901,906
Real Estate Composite		36,052,186	-417,710	9.6	9.0	2,180,621
Trumbull Property Fund	Core Real Estate	11,730,971	-118,531	3.1	3.0	440,450
Trumbull Income Fund	Core Real Estate	11,804,024	-122,182	3.1	3.0	513,502
Principal Enhanced Property Fund	Value-Added Real Estate	12,517,191	-176,997	3.3	3.0	1,226,670
Infrastructure Composite		23,328,660	-57,681	6.2	5.0	4,511,124
Ullico - Infrastructure	Core Infrastructure	11,337,560	-48,685	3.0	2.5	1,928,792
IFM Global Infrastructure (U.S)	Global Infrastructure	11,991,101	-8,996	3.2	2.5	2,582,333
Private Equity Composite		22,475,911	-4,316,690	6.0	7.0	-3,868,640
HarbourVest VII - Buyout Fund	LBO Private Equity FoF	3,204,838	-1,849,627	0.9		
HarbourVest VII - Venture Fund	Venture Private Equity FoF	1,917,707	-531,930	0.5		
HarbourVest VII - Mezzanine	Mezz./Special Sit. Private Equity FoF	372,960	-122,069	0.1		
Mesirow Fund III	U.S. Private Equity FoF	2,077,942	-279,118	0.6		
Mesirow Fund IV	U.S. Private Equity FoF	5,756,402	-597,792	1.5		
Mesirow Fund IX	Private Equity Co- Investment	296,878	-324,000	0.1		
PineBridge V	U.S. Private Equity FoF	3,069,577	-630,007	0.8		
NYLCAP Fund I	U.S. Private Equity FoF	4,844,176	-829,919	1.3		
HarbourVest 2017 Global Fund	Global Divers. Private Equity FoF	935,431	847,772	0.2		

# Total Fund Composite

## Asset Allocation

Market Value: \$376.4 Million and 100.0% of Fund



	Current	Policy	Difference	%
Fixed Income Composite	\$67,641,321	\$77,151,898	-\$9,510,577	-2.5%
U.S. Equity Composite	\$107,392,666	\$107,259,956	\$132,710	0.0%
International Equity Composite	\$79,335,512	\$75,270,144	\$4,065,367	1.1%
Hedged Equity Composite	\$26,402,440	\$26,344,551	\$57,889	0.0%
Risk Parity Composite	\$10,388,615	\$11,290,522	-\$901,906	-0.2%
Real Estate Composite	\$36,052,186	\$33,871,565	\$2,180,621	0.6%
Infrastructure Composite	\$23,328,660	\$18,817,536	\$4,511,124	1.2%
Private Equity Composite	\$22,475,911	\$26,344,551	-\$3,868,640	-1.0%
Total Cash	\$3,333,411	\$0	\$3,333,411	0.9%

**Historic Asset Allocation** 

**5th Percentile** 

25th Percentile

75th Percentile

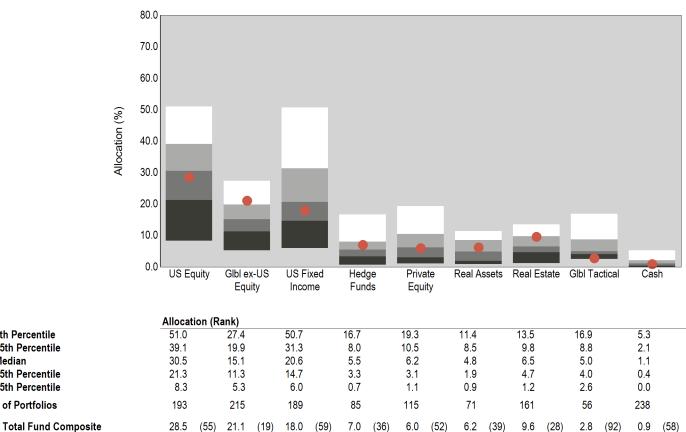
95th Percentile

# of Portfolios

Median

## Asset Allocation

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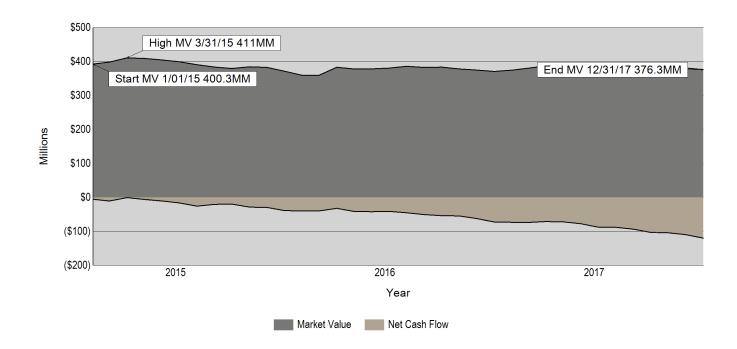


Total Plan Allocation vs. InvestorForce Public DB Net

# Total Fund Composite

## Market Value History

Market Value: \$376.4 Million and 100.0% of Fund



## Summary of Cash Flows

	Fourth Quarter	Year-To-Date	One Year	Three Years
Beginning Market Value	\$378,820,880.82	\$371,099,382.21	\$371,099,382.21	\$400,256,655.91
Net Cash Flow	-\$16,498,895.86	-\$46,222,598.79	-\$46,222,598.79	-\$115,460,414.61
Net Investment Change	\$14,019,577.99	\$51,464,779.53	\$51,464,779.53	\$91,545,321.65
Ending Market Value	\$376,341,562.95	\$376,341,562.95	\$376,341,562.95	\$376,341,562.95

# Total Fund Composite

# Annualized Performance (Net of Fees)

				E	nding De	cember	31, 2017			
	1 Mo	3 Mo	YTD	1 Yr	2 Yrs	3 Yrs	4 Yrs	5 Yrs	7 Yrs	10 Yrs
Fotal Fund Composite	1.3%	3.7%	14.2%	14.2%	11.3%	8.1%	7.9%	9.8%	8.9%	6.0%
Policy Benchmark	1.0%	3.2%	13.8%	13.8%	10.3%	7.3%	7.1%	8.6%	7.7%	5.2%
InvestorForce Public DB Net Rank	14	37	61	61	41	8	7	7	8	28
Fixed Income Composite	0.4%	0.3%	3.4%	3.4%	3.0%	2.3%	3.1%	2.2%	3.4%	4.5%
BBgBarc US Aggregate TR	0.5%	0.4%	3.5%	3.5%	3.1%	2.2%	3.2%	2.1%	3.2%	4.0%
InvestorForce Public DB Total Fix Inc Net Rank	59	66	71	71	72	67	51	53	76	64
U.S. Equity Composite	0.6%	6.3%	18.1%	18.1%	16.1%	10.3%	10.6%	15.2%	13.1%	9.0%
Dow Jones U.S. Total Stock Market	1.0%	6.3%	21.2%	21.2%	16.8%	11.1%	11.4%	15.5%	13.5%	8.7%
InvestorForce Public DB US Eq Net Rank	82	42	91	91	65	67	51	38	37	10
International Equity Composite	2.4%	5.0%	28.4%	28.4%	18.7%	10.2%	6.2%	8.4%	6.4%	2.6%
MSCI ACWI ex USA	2.2%	5.0%	27.2%	27.2%	15.3%	7.8%	4.8%	6.8%	4.9%	1.8%
InvestorForce Public DB ex-US Eq Net Rank	25	39	48	48	3	11	22	27	34	45
Hedged Equity Composite	0.7%	2.8%	10.1%	10.1%	6.5%	2.7%	3.3%	5.9%	4.8%	
HFRX Equity Hedge Index	1.0%	2.7%	10.0%	10.0%	4.9%	2.4%	2.2%	3.9%	0.4%	-0.6%
InvestorForce Public DB Hedge Funds Net Rank	54	8	16	16	15	52	46	18	20	
Risk Parity Composite	1.4%	5.0%	10.4%	10.4%	11.3%	6.1%				
60% MSCI World/40% BarCap Aggregate	1.0%	3.4%	14.5%	14.5%	10.0%	6.6%	6.3%	7.9%	7.2%	5.0%
Real Estate Composite	2.0%	2.0%	6.4%	6.4%	7.6%	9.8%	10.2%	10.6%	11.1%	4.3%
NFI	0.6%	1.8%	6.7%	6.7%	7.2%	9.4%	9.9%	10.5%	11.0%	4.1%
InvestorForce All DB Real Estate Priv Net Rank	17	25	54	54	42	33	46	51	44	36
Infrastructure Composite	3.1%	3.1%	10.9%	10.9%	10.1%					
CPI +4%	0.3%	0.9%	6.2%	6.2%	6.2%	5.7%	5.5%	5.5%	5.8%	5.7%
Private Equity Composite	1.6%	1.6%	11.6%	11.6%	8.9%	9.5%	10.8%	12.3%	11.5%	7.9%
Cambridge Associates All PE	0.0%	0.0%	13.1%	13.1%	11.4%	10.0%	10.3%	12.2%	11.7%	8.2%

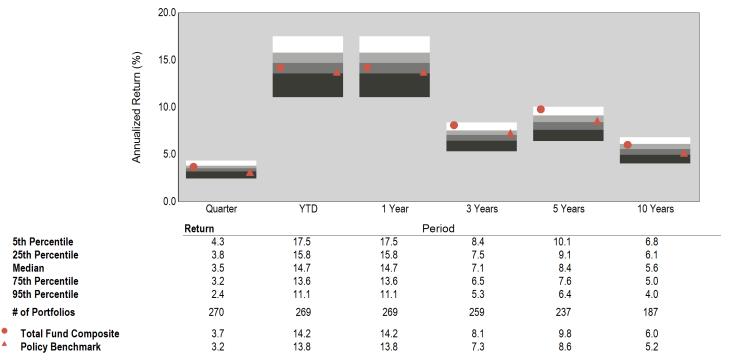




## Annualized Performance (Net of Fees)

Market Value: \$376.4 Million and 100.0% of Fund

InvestorForce Public DB Net Return Comparison



# Total Fund Composite

# Calendar Performance (Net of Fees)

					Cale	endar Ye	ar				
	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
Total Fund Composite	14.2%	8.4%	2.0%	7.3%	17.6%	11.3%	2.3%	13.5%	15.6%	-24.7%	8.8%
Policy Benchmark	13.8%	6.9%	1.5%	6.7%	14.6%	11.1%	0.1%	12.5%	14.8%	-23.4%	9.1%
InvestorForce Public DB Net Rank	61	21	4	9	22	60	12	24	68	51	30
Fixed Income Composite	3.4%	2.5%	0.9%	5.5%	-1.1%	4.8%	7.7%	6.8%	16.7%	-1.6%	7.4%
BBgBarc US Aggregate TR InvestorForce Public DB Total Fix Inc	3.5%	2.6%	0.5%	6.0%	-2.0%	4.2%	7.8%	6.5%	5.9%	5.2%	7.0%
Net Rank	71	69	27	18	44	59	18	69	25	53	34
U.S. Equity Composite	18.1%	14.0%	-0.4%	11.6%	35.8%	16.0%	0.5%	20.6%	36.8%	-39.6%	6.0%
Dow Jones U.S. Total Stock Market	21.2%	12.6%	0.4%	12.5%	33.5%	16.4%	1.1%	17.5%	28.6%	-37.2%	5.6%
InvestorForce Public DB US Eq Net Rank	91	25	57	30	17	47	51	19	7	82	31
International Equity Composite	28.4%	9.7%	-4.9%	-4.9%	17.7%	17.3%	-12.3%	10.6%	42.1%	-46.9%	13.2%
MSCI ACWI ex USA	27.2%	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	48	2	68	77	42	66	26	67	16	90	65
Hedged Equity Composite	10.1%	2.9%	-4.4%	4.9%	17.4%	9.3%	-4.8%	6.7%	12.1%		
HFRX Equity Hedge Index	10.0%	0.1%	-2.3%	1.4%	11.1%	4.8%	-19.1%	8.9%	13.1%	-25.5%	3.2%
InvestorForce Public DB Hedge Funds Net Rank	16	34	88	33	6	9	96	55	65		
Risk Parity Composite	10.4%	12.2%	-3.6%								
60% MSCI World/40% BarCap Aggregate	14.5%	5.7%	-0.1%	5.4%	14.5%	11.3%	0.0%	10.2%	20.4%	-24.7%	8.3%
Real Estate Composite	6.4%	8.9%	14.3%	11.5%	12.0%	10.6%	14.2%	15.7%	-29.4%	-10.4%	12.2%
NFI	6.7%	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	54	14	36	50	51	42	49	31	57	51	70
Infrastructure Composite	10.9%	9.2%									
CPI +4%	6.2%	6.2%	4.8%	4.8%	5.6%	5.8%	7.1%	5.6%	6.8%	4.1%	8.2%
Private Equity Composite	11.6%	6.3%	10.7%	14.7%	18.4%	8.7%	10.6%	17.1%	5.8%	-19.4%	14.6%
Cambridge Associates All PE	13.1%	9.7%	7.3%	11.1%	20.4%	12.5%	8.0%	19.7%	14.1%	-25.6%	23.6%



# Annualized Performance (Net of Fees)

				E	nding De	cember 3	<b>31, 2017</b>			
	1 Mo	3 Mo	YTD	1 Yr	2 Yrs	3 Yrs	4 Yrs	5 Yrs	7 Yrs	10 Yrs
otal Fund Composite	1.3%	3.7%	14.2%	14.2%	11.3%	8.1%	7.9%	9.8%	8.9%	6.0%
Policy Benchmark	1.0%	3.2%	13.8%	13.8%	10.3%	7.3%	7.1%	8.6%	7.7%	5.2%
InvestorForce Public DB Net Rank	14	37	61	61	41	8	7	7	8	28
Fixed Income Composite	0.4%	0.3%	3.4%	3.4%	3.0%	2.3%	3.1%	2.2%	3.4%	4.5%
BBgBarc US Aggregate TR	0.5%	0.4%	3.5%	3.5%	3.1%	2.2%	3.2%	2.1%	3.2%	4.0%
InvestorForce Public DB Total Fix Inc Net Rank	59	66	71	71	72	67	51	53	76	64
Chicago Equity	0.4%	0.1%	2.6%	2.6%	1.8%	1.4%	2.5%	1.4%	2.6%	
BBgBarc US Aggregate TR	0.5%	0.4%	3.5%	3.5%	3.1%	2.2%	3.2%	2.1%	3.2%	4.0%
eV US Core Fixed Inc Net Rank	75	88	93	93	97	98	95	97	96	
LM Capital	0.4%	0.4%	3.7%	3.7%	3.2%	2.6%	3.4%	2.3%	3.5%	
BBgBarc US Aggregate TR	0.5%	0.4%	3.5%	3.5%	3.1%	2.2%	3.2%	2.1%	3.2%	4.0%
eV US Core Fixed Inc Net Rank	69	70	59	59	59	39	41	42	52	
MacKay Shields	0.4%	0.4%	4.0%	4.0%	3.6%	2.5%	3.3%	2.4%	3.8%	4.9%
BBgBarc US Aggregate TR	0.5%	0.4%	3.5%	3.5%	3.1%	2.2%	3.2%	2.1%	3.2%	4.0%
eV US Core Fixed Inc Net Rank	67	63	37	37	40	48	48	39	34	16
Ullico - W1	0.4%	0.5%	3.1%	3.1%	2.9%	2.8%	2.9%	3.0%	3.0%	
BBgBarc US Mortgage TR	0.3%	0.2%	2.5%	2.5%	2.1%	1.9%	2.9%	2.0%	2.7%	3.8%
eV US Securitized Fixed Inc Net Rank	22	37	59	59	56	43	75	42	69	
U.S. Equity Composite	0.6%	6.3%	18.1%	18.1%	16.1%	10.3%	10.6%	15.2%	13.1%	9.0%
Dow Jones U.S. Total Stock Market	1.0%	6.3%	21.2%	21.2%	16.8%	11.1%	11.4%	15.5%	13.5%	8.7%
InvestorForce Public DB US Eq Net Rank	82	42	91	91	65	67	51	38	37	10
NTGI Wilshire 5000	1.0%	6.3%	21.2%	21.2%	16.9%	11.2%	11.5%	15.6%	13.7%	8.7%
Wilshire 5000 Total Market	1.1%	6.4%	21.0%	21.0%	17.1%	11.4%	11.7%	15.7%	13.5%	8.6%
eV US All Cap Core Equity Net Rank	43	45	42	42	23	17	20	21	15	30
Great Lakes	1.3%	4.9%	17.6%	17.6%	16.8%	10.5%	10.7%	15.0%	13.2%	7.7%
Russell 1000 Value	1.5%	5.3%	13.7%	13.7%	15.5%	8.7%	9.8%	14.0%	12.5%	7.1%
eV US Large Cap Value Equity Net Rank	65	80	40	40	31	16	29	30	25	46
NTGI S&P 400	0.2%	6.3%								
S&P 400 MidCap	0.2%	6.3%	16.2%	16.2%	18.5%	11.1%	10.8%	15.0%	12.8%	10.0%
eV US Mid Cap Core Equity Net Rank	77	36								
Ariel	0.1%	7.9%	15.5%	15.5%	14.0%	8.6%	9.6%	15.3%	11.9%	9.0%
Russell 2500 Value	0.4%	4.3%	10.4%	10.4%	17.5%	9.3%	8.8%	13.3%	11.5%	8.8%
eV US Small-Mid Cap Value Equity Net Rank	71	3	27	27	71	54	20	11	34	48
RBC	-0.3%	5.1%	11.3%	11.3%	18.0%	8.6%	7.4%	13.3%	11.6%	
Russell 2000	-0.4%	3.3%	14.6%	14.6%	17.9%	10.0%	8.7%	14.1%	11.6%	8.7%
eV US Small Cap Core Equity Net Rank	46	18	77	77	38	82	81	71	63	

# Annualized Performance (Net of Fees)

				E	nding De	cember	31, 2017			
	1 Mo	3 Mo	YTD	1 Yr	2 Yrs	3 Yrs	4 Yrs	5 Yrs	7 Yrs	10 Yrs
International Equity Composite	2.4%	5.0%	28.4%	28.4%	18.7%	10.2%	6.2%	8.4%	6.4%	2.6%
MSCI ACWI ex USA	2.2%	5.0%	27.2%	27.2%	15.3%	7.8%	4.8%	6.8%	4.9%	1.8%
InvestorForce Public DB ex-US Eq Net Rank	25	39	48	48	3	11	22	27	34	45
NTGI ACWI ex. U.S.	2.0%	4.8%	27.2%	27.2%	15.5%	8.1%	5.0%	7.1%	5.2%	
MSCI ACWI ex USA	2.2%	5.0%	27.2%	27.2%	15.3%	7.8%	4.8%	6.8%	4.9%	1.8%
eV ACWI ex-US Core Equity Net Rank	55	51	68	68	39	59	56	70	66	
William Blair	3.0%	4.9%	32.7%	32.7%	12.7%	11.8%	6.5%	10.2%		
MSCI EAFE Small Cap	2.7%	6.1%	33.0%	33.0%	16.6%	14.2%	9.1%	12.9%	9.2%	5.8%
Foreign Small/Mid Growth MStar MF Rank	23	87	74	74	82	59	69	67		
NTGI Emerging Markets	3.2%	7.2%	37.1%	37.1%	23.4%					
MSCI Emerging Markets	3.6%	7.4%	37.3%	37.3%	23.5%	9.1%	6.2%	4.3%	2.6%	1.7%
eV Emg Mkts Equity Net Rank	68	36	51	51	40					
Hedged Equity Composite	0.7%	2.8%	10.1%	10.1%	6.5%	2.7%	3.3%	5.9%	4.8%	
HFRX Equity Hedge Index	1.0%	2.7%	10.0%	10.0%	4.9%	2.4%	2.2%	3.9%	0.4%	-0.6%
InvestorForce Public DB Hedge Funds Net Rank	54	8	16	16	15	52	46	18	20	-
Parametric	0.7%	3.0%								
S&P 500	1.1%	6.6%	21.8%	21.8%	16.8%	11.4%	12.0%	15.8%	13.8%	8.5%
HFRX Equity Hedge Index	1.0%	2.7%	10.0%	10.0%	4.9%	2.4%	2.2%	3.9%	0.4%	-0.6%
EnTrust	0.0%	0.0%	2.8%	2.8%	2.8%	0.2%	1.4%	4.6%	4.1%	
HFRX Equity Hedge Index	1.0%	2.7%	10.0%	10.0%	4.9%	2.4%	2.2%	3.9%	0.4%	-0.6%
Risk Parity Composite	1.4%	5.0%	10.4%	10.4%	11.3%	6.1%				
60% MSCI World/40% BarCap Aggregate	1.0%	3.4%	14.5%	14.5%	10.0%	6.6%	6.3%	7.9%	7.2%	5.0%
Invesco Balanced Risk Allocation	1.4%	5.0%	10.4%	10.4%	11.3%	6.1%				
60% MSCI World/40% BarCap Aggregate	1.0%	3.4%	14.5%	14.5%	10.0%	6.6%	6.3%	7.9%	7.2%	5.0%
Real Estate Composite	2.0%	2.0%	6.4%	6.4%	7.6%	9.8%	10.2%	10.6%	11.1%	4.3%
NFI	0.6%	1.8%	6.7%	6.7%	7.2%	9.4%	9.9%	10.5%	11.0%	4.1%
InvestorForce All DB Real Estate Priv Net Rank	17	25	54	54	42	33	46	51	44	36
Trumbull Property Fund	2.1%	2.1%	5.3%	5.3%	5.5%	7.5%	8.2%	8.4%	9.1%	4.1%
NFI	0.6%	1.8%	6.7%	6.7%	7.2%	9.4%	9.9%	10.5%	11.0%	4.1%
Trumbull Income Fund	1.5%	1.5%	4.5%	4.5%	6.0%	7.4%	8.1%	8.2%	9.2%	5.8%
NFI	0.6%	1.8%	6.7%	6.7%	7.2%	9.4%	9.9%	10.5%	11.0%	4.1%
Principal Enhanced Property Fund	2.2%	2.2%	9.3%	9.3%	11.4%	14.3%	14.2%	14.9%	14.8%	
NFI	0.6%	1.8%	6.7%	6.7%	7.2%	9.4%	9.9%	10.5%	11.0%	4.1%

# Annualized Performance (Net of Fees)

				E	nding De	cember 3	<b>1, 2017</b>			
	1 Mo	3 Mo	YTD	1 Yr	2 Yrs	3 Yrs	4 Yrs	5 Yrs	7 Yrs	10 Yrs
Infrastructure Composite	3.1%	3.1%	10.9%	10.9%	10.1%					
CPI +4%	0.3%	0.9%	6.2%	6.2%	6.2%	5.7%	5.5%	5.5%	5.8%	5.7%
Ullico - Infrastructure	1.9%	1.9%	7.2%	7.2%	7.8%					
CPI +4%	0.3%	0.9%	6.2%	6.2%	6.2%	5.7%	5.5%	5.5%	5.8%	5.7%
IFM Global Infrastructure (U.S)	4.3%	4.2%	14.7%	14.7%	12.4%					
CPI +4%	0.3%	0.9%	6.2%	6.2%	6.2%	5.7%	5.5%	5.5%	5.8%	5.7%
Private Equity Composite	1.6%	1.6%	11.6%	11.6%	8.9%	9.5%	10.8%	12.3%	11.5%	7.9%
Cambridge Associates All PE	0.0%	0.0%	13.1%	13.1%	11.4%	10.0%	10.3%	12.2%	11.7%	8.2%

# Calendar Performance (Net of Fees)

						Calenda	r Year				
	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
Total Fund Composite	14.2%	8.4%	2.0%	7.3%	17.6%	11.3%	2.3%	13.5%	15.6%	-24.7%	8.8%
Policy Benchmark	13.8%	6.9%	1.5%	6.7%	14.6%	11.1%	0.1%	12.5%	14.8%	-23.4%	9.1%
InvestorForce Public DB Net Rank	61	21	4	9	22	60	12	24	68	51	30
Fixed Income Composite	3.4%	2.5%	0.9%	5.5%	-1.1%	4.8%	7.7%	6.8%	16.7%	-1.6%	7.4%
BBgBarc US Aggregate TR	3.5%	2.6%	0.5%	6.0%	-2.0%	4.2%	7.8%	6.5%	5.9%	5.2%	7.0%
InvestorForce Public DB Total Fix Inc Net Rank	71	69	27	18	44	59	18	69	25	53	34
Chicago Equity	2.6%	1.0%	0.6%	5.8%	-3.0%	2.4%	9.0%	6.6%			
BBgBarc US Aggregate TR	3.5%	2.6%	0.5%	6.0%	-2.0%	4.2%	7.8%	6.5%	5.9%	5.2%	7.0%
eV US Core Fixed Inc Net Rank	93	99	42	46	97	98	3	71			
LM Capital	3.7%	2.8%	1.3%	5.8%	-1.8%	5.4%	7.5%	5.6%			
BBgBarc US Aggregate TR	3.5%	2.6%	0.5%	6.0%	-2.0%	4.2%	7.8%	6.5%	5.9%	5.2%	7.0%
eV US Core Fixed Inc Net Rank	59	61	9	42	52	60	37	94			
MacKay Shields	4.0%	3.3%	0.2%	5.9%	-1.3%	6.6%	8.0%	8.2%	12.0%	3.2%	6.4%
BBgBarc US Aggregate TR	3.5%	2.6%	0.5%	6.0%	-2.0%	4.2%	7.8%	6.5%	5.9%	5.2%	7.0%
eV US Core Fixed Inc Net Rank	37	44	75	41	29	34	17	13	26	51	61
Ullico - W1	3.1%	2.8%	2.4%	3.2%	3.6%	3.2%	3.0%	1.3%			
BBgBarc US Mortgage TR	2.5%	1.7%	1.5%	6.1%	-1.4%	2.6%	6.2%	5.4%	5.9%	8.3%	6.9%
eV US Securitized Fixed Inc Net Rank	59	42	15	93	17	74	78	99			
U.S. Equity Composite	18.1%	14.0%	-0.4%	11.6%	35.8%	16.0%	0.5%	20.6%	36.8%	-39.6%	6.0%
Dow Jones U.S. Total Stock Market	21.2%	12.6%	0.4%	12.5%	33.5%	16.4%	1.1%	17.5%	28.6%	-37.2%	5.6%
InvestorForce Public DB US Eq Net Rank	91	25	57	30	17	47	51	19	7	82	31
NTGI Wilshire 5000	21.2%	12.8%	0.5%	12.6%	33.5%	17.0%	1.4%	17.3%	30.2%	-38.7%	5.6%
Wilshire 5000 Total Market	21.0%	13.4%	0.7%	12.7%	33.1%	16.1%	1.0%	17.2%	28.3%	-37.2%	5.6%
eV US All Cap Core Equity Net Rank	42	22	34	24	41	24	30	36	24	51	75
Great Lakes	17.6%	16.0%	-1.0%	11.0%	34.4%	15.3%	2.9%	18.4%	24.4%	-40.6%	8.4%
Russell 1000 Value	13.7%	17.3%	-3.8%	13.5%	32.5%	17.5%	0.4%	15.5%	19.7%	-36.8%	-0.2%
eV US Large Cap Value Equity Net Rank	40	28	28	58	42	50	26	10	48	82	20
NTGI S&P 400											
S&P 400 MidCap	16.2%	20.7%	-2.2%	9.8%	33.5%	17.9%	-1.7%	26.6%	37.4%	-36.2%	8.0%
eV US Mid Cap Core Equity Net Rank											



# Calendar Performance (Net of Fees)

						Calenda	r Year				
	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
Ariel	15.5%	12.4%	-1.5%	12.9%	41.2%	18.6%	-9.3%	26.0%	62.9%	-47.4%	-0.7%
Russell 2500 Value	10.4%	25.2%	-5.5%	7.1%	33.3%	19.2%	-3.4%	24.8%	27.7%	-32.0%	-7.3%
eV US Small-Mid Cap Value Equity Net Rank	27	91	25	6	13	17	96	28	14	99	65
RBC	11.3%	25.2%	-8.0%	4.0%	39.9%	14.3%	0.9%	31.4%			
Russell 2000	14.6%	21.3%	-4.4%	4.9%	38.8%	16.3%	-4.2%	26.9%	27.2%	-33.8%	-1.6%
eV US Small Cap Core Equity Net Rank	77	12	86	52	39	63	26	10			
International Equity Composite	28.4%	9.7%	-4.9%	-4.9%	17.7%	17.3%	-12.3%	10.6%	<b>42.1</b> %	-46.9%	13.2%
MSCI ACWI ex USA	27.2%	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	48	2	68	77	42	66	26	67	16	90	65
NTGI ACWI ex. U.S.	27.2%	4.8%	-5.4%	-3.7%	15.7%	17.3%	-13.5%	11.3%	42.0%		
MSCI ACWI ex USA	27.2%	4.5%	-5.7%	-3.9%	15.3%	16.8%	-13.7%	11.2%	41.4%	-45.5%	16.7%
eV ACWI ex-US Core Equity Net Rank	68	22	84	54	89	58	57	76	29		
William Blair	32.7%	-4.3%	10.0%	-7.9%	26.5%	21.4%					
MSCI EAFE Small Cap	33.0%	2.2%	9.6%	-4.9%	29.3%	20.0%	-15.9%	22.0%	46.8%	-47.0%	1.4%
Foreign Small/Mid Growth MStar MF Rank	74	57	39	75	56	69					
NTGI Emerging Markets	37.1%	11.2%									
MSCI Emerging Markets	37.3%	11.2%	-14.9%	-2.2%	-2.6%	18.2%	-18.4%	18.9%	78.5%	-53.3%	39.4%
eV Emg Mkts Equity Net Rank	51	34									
Hedged Equity Composite	10.1%	2.9%	-4.4%	4.9%	17.4%	9.3%	-4.8%	6.7%	12.1%		
HFRX Equity Hedge Index	10.0%	0.1%	-2.3%	1.4%	11.1%	4.8%	-19.1%	8.9%	13.1%	-25.5%	3.2%
InvestorForce Public DB Hedge Funds Net Rank	16	34	88	33	6	9	96	55	65		
Parametric											
S&P 500	21.8%	12.0%	1.4%	13.7%	32.4%	16.0%	2.1%	15.1%	26.5%	-37.0%	5.5%
HFRX Equity Hedge Index	10.0%	0.1%	-2.3%	1.4%	11.1%	4.8%	-19.1%	8.9%	13.1%	-25.5%	3.2%
EnTrust	2.8%	2.8%	-4.7%	5.2%	18.3%	10.1%	-3.8%	9.3%	16.2%		
HFRX Equity Hedge Index	10.0%	0.1%	-2.3%	1.4%	11.1%	4.8%	-19.1%	8.9%	13.1%	-25.5%	3.2%
Risk Parity Composite	10.4%	12.2%	-3.6%								
60% MSCI World/40% BarCap Aggregate	14.5%	5.7%	-0.1%	5.4%	14.5%	11.3%	0.0%	10.2%	20.4%	-24.7%	8.3%
Invesco Balanced Risk Allocation	10.4%	12.1%	-3.6%								
60% MSCI World/40% BarCap Aggregate	14.5%	5.7%	-0.1%	5.4%	14.5%	11.3%	0.0%	10.2%	20.4%	-24.7%	8.3%

# Calendar Performance (Net of Fees)

						Calenda	r Year				
	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
Real Estate Composite	6.4%	8.9%	14.3%	11.5%	12.0%	10.6%	14.2%	15.7%	-29.4%	-10.4%	12.2%
NFI	6.7%	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	54	14	36	50	51	42	49	31	57	51	70
Trumbull Property Fund	5.3%	5.7%	11.8%	10.3%	9.2%	8.9%	12.4%	15.8%	-23.0%	-8.3%	12.9%
NFI	6.7%	7.8%	13.9%	11.5%	12.9%	9.8%	15.0%	15.3%	-30.4%	-10.7%	14.8%
Trumbull Income Fund	4.5%	7.6%	10.2%	10.3%	8.5%	10.3%	13.4%	19.5%	-19.3%	-2.1%	12.1%
NFI	6.7%	7.8%	13.9%	11.5%	12.9%	9.8%	15.0%	15.3%	-30.4%	-10.7%	14.8%
Principal Enhanced Property Fund	9.3%	13.5%	20.3%	13.8%	17.9%	12.6%	16.7%	12.5%	-43.7%		
NFI	6.7%	7.8%	13.9%	11.5%	12.9%	9.8%	15.0%	15.3%	-30.4%	-10.7%	14.8%
Infrastructure Composite	10.9%	9.2%									
CPI +4%	6.2%	6.2%	4.8%	4.8%	5.6%	5.8%	7.1%	5.6%	6.8%	4.1%	8.2%
Ullico - Infrastructure	7.2%	8.3%									
CPI +4%	6.2%	6.2%	4.8%	4.8%	5.6%	5.8%	7.1%	5.6%	6.8%	4.1%	8.2%
IFM Global Infrastructure (U.S)	14.7%	10.1%									
CPI +4%	6.2%	6.2%	4.8%	4.8%	5.6%	5.8%	7.1%	5.6%	6.8%	4.1%	8.2%
Private Equity Composite	11.6%	6.3%	10.7%	14.7%	18.4%	8.7%	10.6%	17.1%	5.8%	-19.4%	14.6%
Cambridge Associates All PE	13.1%	9.7%	7.3%	11.1%	20.4%	12.5%	8.0%	19.7%	14.1%	-25.6%	23.6%



# **Private Equity Statistics**

As of December 31, 2017

#### **Annualized Performance**

Asset Class	Fund Company	Vintage Yr.	Perf. as of:	Net IRR
Buy-Out	HarbourVest VII - Buyout Fund	2003 2003	12/31/2017 12/31/2017	10.7%
Venture Capital Mezzanine	HarbourVest VII - Venture Fund HarbourVest VII - Mezzanine	2003	12/31/2017	8.9% 8.8%
Private Equity Diversified Private Equity Co-Invest	Mesirow Fund III Mesirow Fund IX	2005 2005	12/31/2017 12/31/2017	8.3% -6.8%
Private Equity Diversified Private Equity Specialized	Mesirow Fund IV PineBridge V	2008 2008	12/31/2017 12/31/2017	10.3% 6.7%
Private Equity Specialized Private Equity Diversified	NYLCAP Fund I HarbourVest 2017 Global Fund	2008 2017	12/31/2017 12/31/2017	15.7%
Total Private Equity		2017	12/01/2011	8.6%

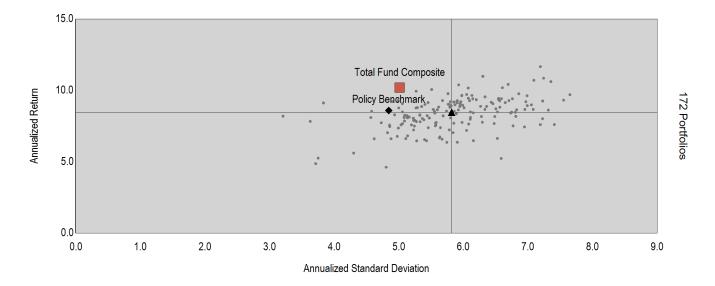
## **Since Inception Cash Flows**

Asset Class	Fund Company	Commitment	Capital Calls	Distributions	Ending Value	<sup>1</sup> Cash Multiple
Buy-Out	HarbourVest VII - Buyout Fund	\$24,500,000	\$19,990,114	\$32,086,571	\$3,204,838	1.8
Venture Capital	HarbourVest VII - Venture Fund	\$7,000,000	\$5,775,000	\$8,175,272	\$1,917,707	1.7
Mezzanine	HarbourVest VII - Mezzanine	\$3,500,000	\$2,792,247	\$4,022,761	\$372,960	1.6
Private Equity Diversified	Mesirow Fund III	\$7,000,000	\$5,985,882	\$8,404,108	\$2,077,942	1.8
Private Equity Co-Invest	Mesirow Fund IX	\$3,000,000	\$2,865,000	\$1,335,792	\$296,878	0.6
Private Equity Diversified	Mesirow Fund IV	\$10,000,000	\$7,536,893	\$7,946,736	\$5,756,402	1.8
Private Equity Specialized	PineBridge V	\$10,000,000	\$7,467,195	\$8,539,462	\$3,069,577	1.6
Private Equity Specialized	NYLCAP Fund I	\$10,000,000	\$7,874,843	\$12,467,074	\$4,844,176	2.2
Private Equity Diversified	HarbourVest 2017 Global Fund	\$7,500,000	\$908,908	\$33,011	\$935,431	1.1
Total Private Equity		\$82,500,000	\$61,196,082	\$83,010,787	\$22,475,911	1.7

<sup>1</sup> Calculated as the sum of the distributions and ending value divided by the amount of all capital calls.

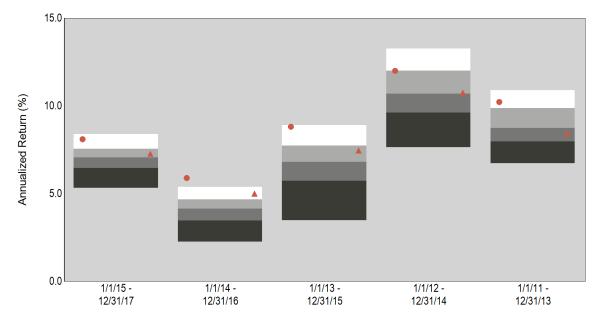
## Total Fund vs. Peer Universe

Market Value: \$376.4 Million and 100.0% of Fund



#### Annualized Return vs. Annualized Standard Deviation 5 Years Ending December 31, 2017

#### **Rolling 3 Year Returns**



	Return (Rank	)								
5th Percentile	8.4		5.4		8.9		13.3		10.9	
25th Percentile	7.5		4.7		7.7		12.0		9.9	
Median	7.1		4.1		6.8		10.7		8.7	
75th Percentile	6.5		3.5		5.7		9.6		8.0	
95th Percentile	5.3		2.3		3.5		7.7		6.7	
# of Portfolios	259		253		241		195		160	
<ul> <li>Total Fund Composite</li> <li>Policy Benchmark</li> </ul>	8.1 7.3	(8) (38)	5.9 5.0	(1) (13)	8.8 7.5	(7) (33)	12.0 10.7	(26) (48)	10.2 8.4	(19) (59)

## Statistics

Market Value: \$376.4 Million and 100.0% of Fund

#### 3 Years Ending December 31, 2017

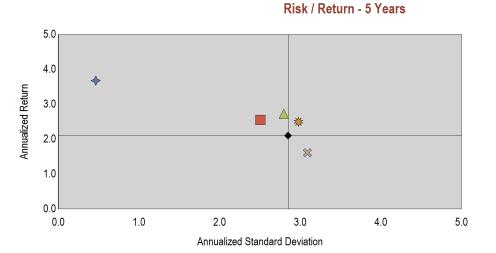
	Sharpe Ratio	Tracking Error	Anlzd Alpha	Beta	R-Squared	Information Ratio	Anlzd Standard Deviation	Up Mkt Capture Ratio	Down Mkt Capture Ratio
Fixed Income Composite	0.9	0.4%	0.7%	0.9	1.0	0.9	2.5%	95.1%	77.4%
BBgBarc US Aggregate TR	0.6						2.8%		
Chicago Equity	0.4	0.7%	-0.8%	1.1	1.0	-0.8	3.2%	95.2%	113.3%
BBgBarc US Aggregate TR	0.6						2.8%		
LM Capital	0.9	0.4%	0.6%	1.0	1.0	1.2	2.7%	104.1%	87.5%
BBgBarc US Aggregate TR	0.6						2.8%		
MacKay Shields	0.9	0.5%	0.7%	1.0	1.0	1.3	2.7%	106.6%	88.2%
BBgBarc US Aggregate TR	0.6						2.8%		
Ullico - W1	6.4	1.5%	3.1%	0.2	0.5	1.0	0.5%	78.7%	-67.8%
BBgBarc US Mortgage TR	0.8						1.8%		
U.S. Equity Composite	0.9	2.5%	-1.3%	1.1	1.0	-0.2	11.3%	98.9%	102.6%
Dow Jones U.S. Total Stock Market	1.0						10.2%		
NTGI Wilshire 5000	1.1	0.3%	-0.2%	1.0	1.0	-0.5	10.2%	100.2%	101.9%
Wilshire 5000 Total Market	1.1						10.2%		
Great Lakes	1.0	2.0%	2.5%	1.0	1.0	1.1	10.3%	100.9%	81.7%
Russell 1000 Value	0.8						10.3%		
Ariel	0.6	6.3%	-1.3%	1.1	0.8	0.0	14.9%	106.2%	107.3%
Russell 2500 Value	0.7						12.0%		
RBC	0.6	4.5%	-0.9%	1.1	0.9	-0.1	15.5%	98.3%	100.4%
Russell 2000	0.7						14.1%		
International Equity Composite	0.8	2.2%	2.4%	1.0	1.0	1.1	12.2%	108.2%	93.7%
MSCI ACWI ex USA	0.6						12.0%		
NTGI ACWI ex. U.S.	0.6	0.2%	0.2%	1.0	1.0	1.2	12.0%	100.7%	99.2%
MSCI ACWI ex USA	0.6						12.0%		
William Blair	1.0	3.5%	-0.7%	0.9	0.9	-0.7	10.8%	87.0%	99.0%
MSCI EAFE Small Cap	1.2						11.8%		
Hedged Equity Composite	0.3	3.7%	-0.1%	1.1	0.7	0.1	6.9%	111.8%	109.2%
HFRX Equity Hedge Index	0.4						5.1%		
Risk Parity Composite	1.1	4.7%	2.6%	0.6	0.5	0.0	5.5%	77.2%	56.8%
60% MSCI World/40% BarCap Aggregate	1.0						6.2%		
Invesco Balanced Risk Allocation	1.1	4.7%	2.6%	0.6	0.5	0.0	5.5%	77.2%	56.8%
60% MSCI World/40% BarCap Aggregate	1.0						6.2%		
Real Estate Composite	2.3	4.6%	1.6%	1.0	0.0	0.3	4.7%	118.7%	
NFI	11.4					110.3	0.9%		
Trumbull Property Fund	2.2	3.8%	-0.2%	1.0	0.0	-0.2	3.8%	92.6%	
NFI	11.4					110.3	0.9%		
Trumbull Income Fund	2.2	3.6%	2.0%	0.7	0.0	-0.3	3.7%	88.7%	

# Fixed Income Composite

#### As of December 31, 2017

## Characteristics

Market Value: \$67.6 Million and 18.0% of Fund



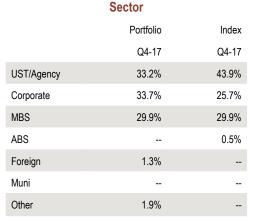
## Fixed Income Composite

- \* Chicago Equity
- LM Capital
- MacKay Shields
- Ullico W1
- BBgBarc US Aggregate TR

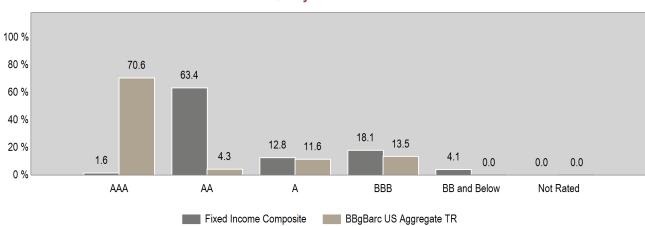
Characteristics
-----------------

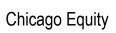
	Portfolio	Index
	Q4-17	Q4-17
Yield to Maturity	2.8%	2.7%
Avg. Eff. Maturity	7.5 yrs.	8.3 yrs.
Avg. Duration	5.9 yrs.	6.0 yrs.
Avg. Quality	A	

Region	Number Of Assets
North America ex U.S.	2
United States	398
Europe Ex U.K.	1
Other	1
Total	402



Maturity	
	Q4-17
<1 Year	2.4%
1-3 Years	13.0%
3-5 Years	24.0%
5-7 Years	27.4%
7-10 Years	19.4%
10-15 Years	2.0%
15-20 Years	1.9%
>20 Years	9.8%
Not Rated/Cash	0.0%





## Characteristics

Market Value: \$16.0 Million and 4.3% of Fund



#### Characteristics

	Portfolio	Index
	Q4-17	Q4-17
Yield to Maturity	2.5%	2.7%
Avg. Eff. Maturity	7.5 yrs.	8.3 yrs.
Avg. Duration	6.1 yrs.	6.0 yrs.
Avg. Quality	AA	

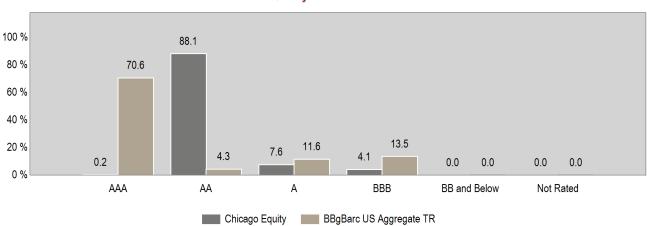
Region	Number Of Assets
North America ex U.S.	1
United States	121
Other	0
Total	122

#### Sector Portfolio Index Q4-17 Q4-17 UST/Agency 43.9% 52.8% Corporate 12.4% 25.7% MBS 29.9% 34.1% ABS 0.5% --0.3% Foreign ---Muni ---------Other 0.4%

# Maturity

Q4-17

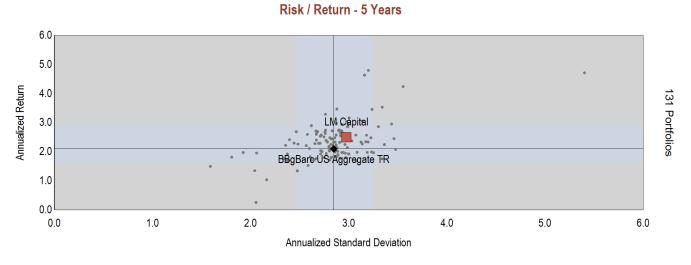
<1 Year	1.1%
1-3 Years	19.3%
3-5 Years	23.5%
5-7 Years	26.5%
7-10 Years	17.3%
10-15 Years	0.7%
15-20 Years	0.2%
>20 Years	11.4%
Not Rated/Cash	0.0%





## Characteristics

Market Value: \$20.3 Million and 5.4% of Fund



#### Characteristics

	Portfolio	Index
	Q4-17	Q4-17
Yield to Maturity	2.9%	2.7%
Avg. Eff. Maturity	7.2 yrs.	8.3 yrs.
Avg. Duration	5.8 yrs.	6.0 yrs.
Avg. Quality	А	

Region	Number Of Assets
United States	101
Other	0
Total	101

#### Sector Portfolio Index Q4-17 Q4-17 <1 Year UST/Agency 43.9% 29.1% 1-3 Years Corporate 37.3% 25.7% 3-5 Years MBS 29.9% 5-7 Years 29.7% ABS 0.5% 7-10 Years --10-15 Years Foreign 3.1% ---15-20 Years Muni ---\_\_\_ Other 0.7%

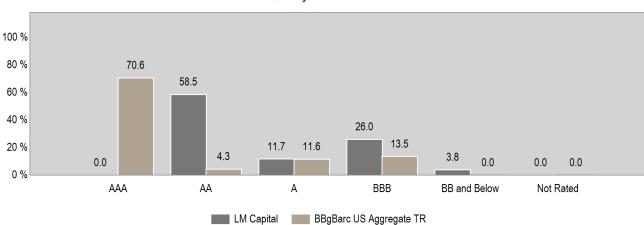
# Q4-17 ar 1.0% ears 3.5% ears 28.3% ears 30.1% ('ears 25.3% Years 2.6%

4.6%

4.7% 0.0%

Maturity

-	 1J-20 Teals
-	 >20 Years
	Not Rated/Cash



# MacKay Shields

#### As of December 31, 2017

## Characteristics

Market Value: \$22.0 Million and 5.9% of Fund



#### Characteristics

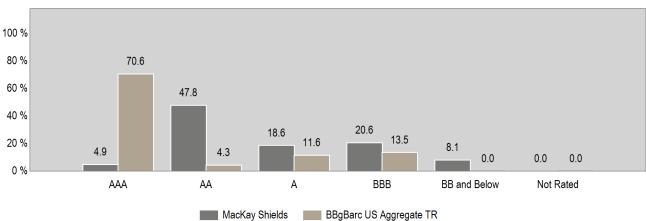
	Portfolio	Index
	Q4-17	Q4-17
Yield to Maturity	2.9%	2.7%
Avg. Eff. Maturity	7.9 yrs.	8.3 yrs.
Avg. Duration	6.0 yrs.	6.0 yrs.
Avg. Quality	А	

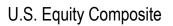
Region	Number Of Assets
North America ex U.S.	1
United States	186
Europe Ex U.K.	1
Other	1
Total	189

#### Sector Portfolio Index Q4-17 Q4-17 UST/Agency 20.8% 43.9% Corporate 48.0% 25.7% MBS 29.9% 26.4% ABS 0.5% ---0.3% Foreign ---Muni ---------Other 4.5%

# Maturity

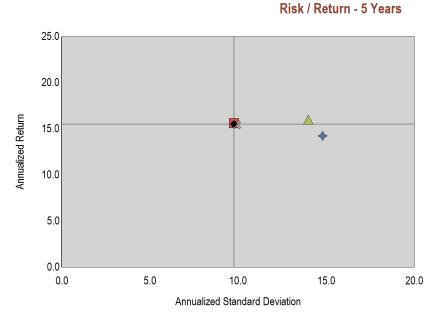
	Q4-17
<1 Year	5.1%
1-3 Years	18.0%
3-5 Years	19.7%
5-7 Years	25.2%
7-10 Years	14.8%
10-15 Years	2.5%
15-20 Years	0.5%
>20 Years	14.2%
Not Rated/Cash	0.0%





## Characteristics

Market Value: \$107.4 Million and 28.5% of Fund





- Great Lakes
- Ariel
- RBC
- Dow Jones U.S. Total Stock Market

#### **Characteristics**

	Portfolio	Dow Jones U.S. Total Stock Market
Number of Holdings	3,691	3,782
Weighted Avg. Market Cap. (\$B)	86.5	149.6
Median Market Cap. (\$B)	1.4	0.9
Price To Earnings	25.8	24.9
Price To Book	4.4	4.5
Price To Sales	3.0	3.6
Return on Equity (%)	19.0	18.4
Yield (%)	1.7	1.7
Beta	1.1	1.0
R-Squared	1.0	1.0

#### **Characteristics**

	Portfolio	Dow Jones U.S. Total Stock Market
INDUSTRY SECTOR DISTRIBUTION (% Equity)		
Energy	6.2	5.8
Materials	2.4	3.4
Industrials	15.5	10.9
Consumer Discretionary	16.6	12.6
Consumer Staples	5.3	7.3
Health Care	11.6	13.3
Financials	16.5	15.2
Information Technology	16.6	22.8
Telecommunication Services	0.9	1.9
Utilities	2.2	3.0
Real Estate	4.0	3.9
Unclassified	0.1	0.0

Largest Holdings		
	End Weight	Return
APPLE	1.7	10.2
LAZARD 'A'	1.2	17.1
KENNAMETAL	1.1	20.6
MICROSOFT	1.1	15.4
BERKSHIRE HATHAWAY 'B'	1.1	8.1

Top Contributors	
Dee Wet	Dature

	Beg Wgt	Return	Contribution
KENNAMETAL	1.1	20.6	0.2
LAZARD 'A'	1.2	17.1	0.2
JONES LANG LASALLE	0.9	20.9	0.2
MICROSOFT	1.2	15.4	0.2
APPLE	1.7	10.2	0.2

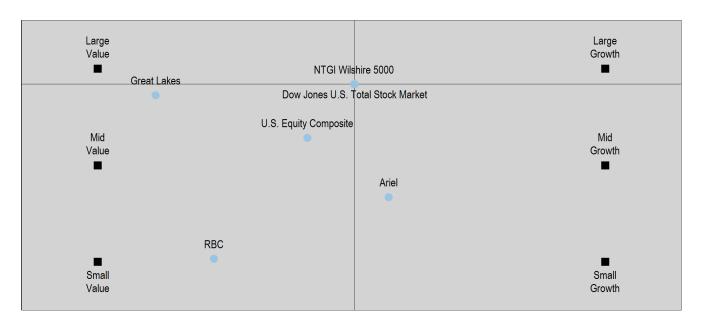
#### **Bottom Contributors**

	Beg Wgt	Return	Contribution
GENERAL ELECTRIC	0.7	-27.3	-0.2
UNIVERSAL ELECTRONICS	0.4	-25.5	-0.1
MERCK & COMPANY	0.8	-11.4	-0.1
ANIXTER INTL.	0.7	-10.6	-0.1
CVS HEALTH	0.7	-10.3	-0.1

#### **Market Capitalization**

	Small Cap	Small/ Mid	Mid Cap	Mid/ Large	Large Cap
U.S. Equity Composite	17.0%	24.3%	16.0%	18.7%	24.0%
Dow Jones U.S. Total Stock Market	6.0%	9.3%	16.4%	27.3%	40.9%
Weight Over/Under	11.0%	15.0%	-0.4%	-8.6%	-16.9%





## U.S. Equity Style Map 3 Years Ending December 31, 2017

#### **Common Holdings Matrix**

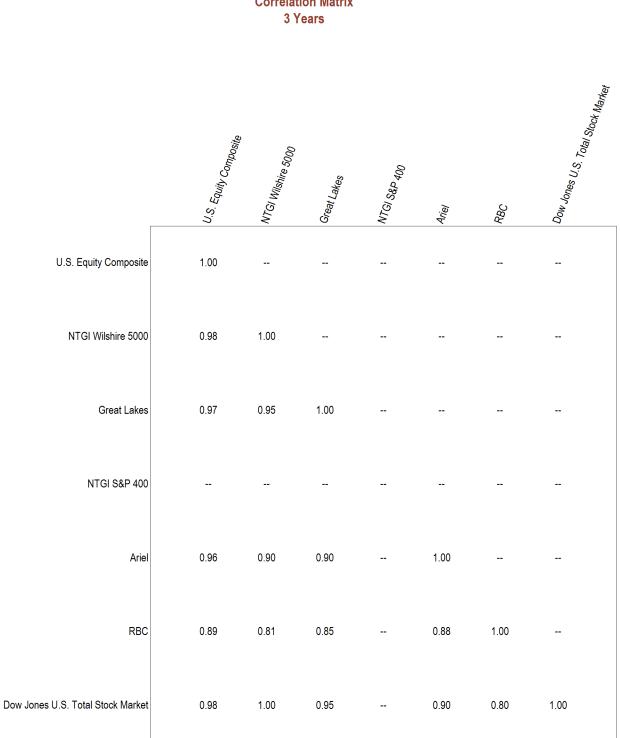
	MT.	u GI Wilshire 5000	č	creat Lakes	NTO.	100 S&P 400		12	Car	2	
	#	%	#	%	#	%	#	%	#	%	
NTGI Wilshire 5000			42	97	400	99	38	95	77	98	
Great Lakes	42	22			0	0	0	0	0	0	
NTGI S&P 400	400	6	0	0			16	37	18	26	
Ariel	38	1	0	0	16	4			0	0	
RBC	77	1	0	0	18	5	0	0			



U.S. Equity Composite

As of December 31, 2017

Market Value: \$107.4 Million and 28.5% of Fund

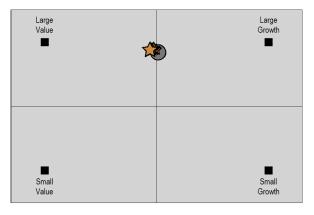




## Characteristics

Market Value: \$41.4 Million and 11.0% of Fund

#### Style Drift - 5 Years



NTGI Wilshire 5000

Wilshire 5000 Total Market 

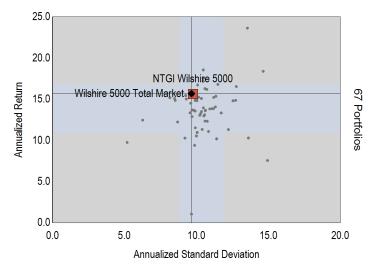
#### **Characteristics**

	Portfolio	Dow Jones U.S. Total Stock Market
Number of Holdings	3,690	3,782
Weighted Avg. Market Cap. (\$B)	149.5	149.6
Median Market Cap. (\$B)	1.0	0.9
Price To Earnings	26.6	24.9
Price To Book	5.8	4.5
Price To Sales	3.8	3.6
Return on Equity (%)	22.0	18.4
Yield (%)	1.8	1.7
Beta	1.0	1.0
R-Squared	1.0	1.0

#### **Characteristics**

	Portfolio	Dow Jones U.S. Total Stock Market
INDUSTRY SECTOR DISTRIBUTION (% Ed	quity)	
Energy	5.7	5.8
Materials	3.4	3.4
Industrials	10.9	10.9
Consumer Discretionary	12.5	12.6
Consumer Staples	7.3	7.3
Health Care	13.2	13.3
Financials	15.0	15.2
Information Technology	22.6	22.8
Telecommunication Services	1.9	1.9
Utilities	2.9	3.0
Real Estate	3.9	3.9
Unclassified	0.2	0.0

#### Risk / Return - 5 Years



#### Largest Holdings

	End Weight	Return
APPLE	3.1	10.2
MICROSOFT	2.4	15.4
AMAZON.COM	1.7	21.6
FACEBOOK CLASS A	1.5	3.3
BERKSHIRE HATHAWAY 'B'	1.4	8.1

#### **Top Contributors**

	Beg Wgt	Return	Contribution
MICROSOFT	2.2	15.4	0.3
AMAZON.COM	1.4	21.6	0.3
APPLE	3.0	10.2	0.3
JP MORGAN CHASE & CO.	1.3	12.6	0.2
BANK OF AMERICA	0.9	17.0	0.2

#### **Bottom Contributors**

	Beg Wgt	Return	Contribution
GENERAL ELECTRIC	0.8	-27.3	-0.2
CELGENE	0.4	-28.4	-0.1
MERCK & COMPANY	0.7	-11.4	-0.1
ALLERGAN	0.3	-19.9	-0.1
PG&E	0.1	-34.2	0.0

#### **Market Capitalization**

	Small Cap	Small/ Mid	Mid Cap	Mid/ Large	Large Cap
NTGI Wilshire 5000	5.9%	9.4%	16.5%	27.4%	40.9%
Dow Jones U.S. Total Stock Market	6.0%	9.3%	16.4%	27.3%	40.9%
Weight Over/Under	-0.1%	0.0%	0.0%	0.1%	0.0%

## NTGI Wilshire 5000

## Attribution

As of December 31, 2017

Market Value: \$41.4 Million and 11.0% of Fund

#### Sector Attribution vs Dow Jones U.S. Total Stock Market

GICS Sector	Portfolio Weight	Index Weight	Excess Weight	Portfolio USD Return	Index USD Return	Excess Return	Allocation Effect (Local)	Selection Effect (Local)	Active Contrib.	Passive Contrib.	Total Contrib.
Energy	5.8%	5.8%	0.0%	-0.9%	6.5%	-7.5%		0.0%	0.0%	0.0%	0.0%
Materials	3.4%	3.4%	0.0%	3.7%	7.0%	-3.3%		0.0%	0.0%	0.0%	0.0%
Industrials	10.8%	10.8%	0.0%	0.7%	6.5%	-5.8%		0.0%	0.0%	0.0%	0.0%
Consumer Discretionary	12.2%	12.3%	0.0%	1.6%	9.0%	-7.5%		0.0%	0.0%	0.3%	0.3%
Consumer Staples	7.3%	7.3%	0.0%	-1.4%	6.8%	-8.2%		0.0%	0.0%	0.0%	0.0%
Health Care	14.0%	14.0%	0.0%	-0.8%	1.5%	-2.3%		0.0%	0.0%	-0.7%	-0.7%
Financials	15.1%	15.1%	0.0%	2.6%	7.6%	-5.0%		0.0%	0.0%	0.2%	0.2%
Information Technology	22.3%	22.3%	0.0%	7.4%	8.5%	-1.1%		0.0%	0.0%	0.5%	0.5%
Telecommunication Services	2.0%	2.0%	0.0%	-6.9%	2.3%	-9.2%		0.0%	0.0%	-0.1%	-0.1%
Utilities	3.1%	3.1%	0.0%	4.0%	0.5%	3.5%		0.0%	0.0%	-0.2%	-0.2%
Real Estate	4.0%	4.0%	0.0%	0.2%	2.7%	-2.5%		0.0%	0.0%	-0.1%	-0.1%
Unclassified	0.0%	0.0%	0.0%	-0.2%	3.2%	-3.4%		0.0%	0.0%	0.0%	0.0%

#### Performance Attribution vs. Dow Jones U.S. Total Stock Market

	Total	Selection	Allocation	Interaction
	Effects	Effect	Effect	Effects
Energy	0.0%	0.0%	0.0%	0.0%
Materials	0.0%	0.0%	0.0%	0.0%
Industrials	0.0%	0.0%	0.0%	0.0%
Consumer Discretionary	0.0%	0.0%	0.0%	0.0%
Consumer Staples	0.0%	0.0%	0.0%	0.0%
Health Care	0.0%	0.0%	0.0%	0.0%
Financials	0.0%	0.0%	0.0%	0.0%
Information Technology	0.0%	0.0%	0.0%	0.0%
Telecommunication Services	0.0%	0.0%	0.0%	0.0%
Utilities	0.0%	0.0%	0.0%	0.0%
Real Estate	0.0%	0.0%	0.0%	0.0%
Cash	0.0%	0.0%	0.0%	0.0%
Portfolio	-0.1% =	0.0% +	-0.1% +	0.0%

#### Market Cap Attribution vs. Dow Jones U.S. Total Stock Market

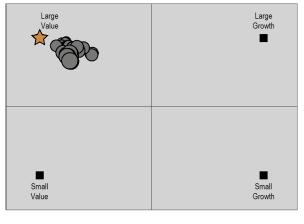
	Portfolio Weight	Index Weight	Excess Weight	Portfolio USD Return	Index USD Return	Excess USD Return	Allocation Effect (Local)	Selection Effect (Local)	Active Contrib.	Passive Contrib.	Total Contrib.
Market Cap. Quintile (\$Bil)											
1) Above 232.00	19.8%	19.8%	0.0%	6.0%	10.2%	-4.2%	0.2%	0.0%	0.2%	0.8%	1.0%
2) 94.48 - 232.00	20.2%	20.2%	0.0%	-0.1%	3.9%	-4.0%	0.4%	1.7%	2.1%	-0.5%	1.6%
3) 38.33 - 94.48	20.0%	20.0%	0.0%	2.1%	6.4%	-4.2%	0.0%	-3.8%	-3.8%	0.0%	-3.8%
4) 11.64 - 38.33	20.0%	20.0%	0.0%	1.6%	5.9%	-4.3%	0.1%	-0.7%	-0.6%	-0.1%	-0.7%
5) 0.00 - 11.64	20.0%	20.0%	0.0%	1.2%	5.2%	-4.0%	-0.3%	-1.7%	-2.0%	-0.2%	-2.2%
Total				2.2%	6.3%	-4.1%	0.4%	-4.6%	-4.1%	0.0%	-4.1%



## Characteristics

Market Value: \$19.5 Million and 5.2% of Fund

#### Style Drift - 5 Years



Great Lakes 🛛 🌟 Russell 1000 Value

#### Characteristics

	Portfolio	Russell 1000 Value
Number of Holdings	43	713
Weighted Avg. Market Cap. (\$B)	141.4	119.4
Median Market Cap. (\$B)	79.8	9.4
Price To Earnings	24.8	21.0
Price To Book	3.3	2.7
Price To Sales	2.6	2.9
Return on Equity (%)	20.4	11.5
Yield (%)	2.2	2.3
Beta	1.0	1.0
R-Squared	1.0	1.0

#### **Characteristics**

	Portfolio	Russell 1000 Value
INDUSTRY SECTOR DISTRIBUTION (% E	quity)	
Energy	12.5	11.0
Materials	0.0	2.9
Industrials	14.1	8.4
Consumer Discretionary	6.5	6.8
Consumer Staples	7.8	8.6
Health Care	19.0	13.5
Financials	23.5	26.6
Information Technology	10.0	8.5
Telecommunication Services	0.0	3.0
Utilities	3.4	5.9
Real Estate	0.0	4.7
Unclassified	0.0	0.0



Annualized Standard Deviation

	End Weight	Return
GENERAL ELECTRIC	3.9	-27.3
SCHLUMBERGER	3.7	-2.6
HARLEY-DAVIDSON	3.5	6.3
PHILIP MORRIS INTL.	3.2	-3.9
EMERSON ELECTRIC	3.0	11.8

#### **Top Contributors**

	Beg Wgt	Return	Contribution
DISCOVER FINANCIAL SVS.	2.5	19.9	0.5
INTEL	2.0	21.9	0.4
BANK OF AMERICA	2.5	17.0	0.4
UNITEDHEALTH GROUP	3.0	12.9	0.4
EMERSON ELECTRIC	3.1	11.8	0.4

#### **Bottom Contributors**

	Beg Wgt	Return	Contribution
GENERAL ELECTRIC	2.3	-27.3	-0.6
MERCK & COMPANY	3.0	-11.4	-0.3
CVS HEALTH	2.8	-10.3	-0.3
SCHLUMBERGER	3.5	-2.6	-0.1
AMGEN	1.5	-6.1	-0.1

#### **Market Capitalization**

	Small Cap	Small/ Mid	Mid Cap	Mid/ Large	Large Cap
Great Lakes	0.0%	3.6%	7.4%	44.5%	44.5%
Russell 1000 Value	0.7%	9.2%	20.4%	28.2%	41.5%
Weight Over/Under	-0.7%	-5.6%	-13.0%	16.2%	3.1%

27 Marquette Associates, Inc.



Attribution

Market Value: \$19.5 Million and 5.2% of Fund

#### Sector Attribution vs Russell 1000 Value

GICS Sector	Portfolio Weight	Index Weight	Excess Weight	Portfolio USD Return	Index USD Return	Excess Return	Allocation Effect (Local)	Selection Effect (Local)	Active Contrib.	Passive Contrib.	Total Contrib.
Energy	14.2%	10.9%	3.3%	-2.4%	6.4%	-8.8%	0.6%	2.8%	3.4%	0.1%	3.6%
Materials	0.0%	2.8%	-2.8%		8.8%		1.0%	0.0%	1.0%	0.1%	1.1%
Industrials	13.3%	8.6%	4.7%	-1.8%	1.4%	-3.2%	1.3%	0.4%	1.8%	-0.3%	1.4%
Consumer Discretionary	7.1%	6.8%	0.4%	-0.4%	5.7%	-6.0%	0.1%	-0.4%	-0.3%	0.0%	-0.3%
Consumer Staples	8.4%	8.7%	-0.3%	-6.3%	4.0%	-10.4%	-0.1%	3.9%	3.8%	-0.1%	3.7%
Health Care	16.2%	13.9%	2.3%	-1.7%	2.1%	-3.8%	0.4%	2.1%	2.5%	-0.4%	2.1%
Financials	24.8%	26.0%	-1.2%	4.1%	8.5%	-4.4%	0.3%	-3.5%	-3.2%	0.8%	-2.3%
Information Technology	12.4%	8.2%	4.3%	10.0%	10.2%	-0.2%	-2.8%	-6.1%	-8.9%	0.4%	-8.5%
Telecommunication Services	0.0%	3.2%	-3.2%		2.1%		-3.8%	0.0%	-3.8%	-0.1%	-3.9%
Utilities	3.6%	6.2%	-2.6%	5.9%	0.5%	5.3%	1.1%	-0.8%	0.2%	-0.3%	-0.1%
Real Estate	0.0%	4.8%	-4.8%		1.8%		-0.9%	0.0%	-0.9%	-0.2%	-1.0%
Total				1.1%	5.3%	-4.3%	-2.8%	-1.5%	-4.3%	0.0%	-4.3%

#### Performance Attribution vs. Russell 1000 Value

	Total	Selection	Allocation	Interaction
	Effects	Effect	Effect	Effects
Energy	-0.1%	-0.2%	0.2%	0.0%
Materials	-0.3%		-0.3%	
Industrials	0.1%	0.0%	0.1%	0.0%
Consumer Discretionary	0.1%	0.1%	0.0%	0.0%
Consumer Staples	-0.5%	-0.5%	0.0%	0.0%
Health Care	0.3%	0.2%	0.0%	0.0%
Financials	-0.1%	0.1%	-0.2%	0.0%
Information Technology	0.3%	-0.1%	0.4%	0.0%
Telecommunication Services	-0.1%		-0.1%	
Utilities	0.3%	0.5%	0.0%	-0.2%
Real Estate	-0.1%		-0.1%	
Cash	0.0%	0.0%	0.0%	0.0%
Portfolio	-0.1%	= 0.2%	+ 0.0%	+ -0.2%

#### Market Cap Attribution vs. Russell 1000 Value

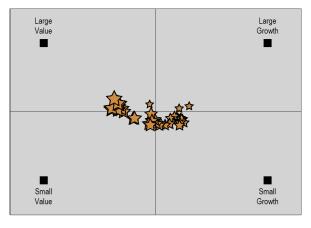
	Portfolio Weight	Index Weight	Excess Weight	Portfolio USD Return	Index USD Return	Excess USD Return	Allocation Effect (Local)	Selection Effect (Local)	Active Contrib.	Passive Contrib.	Total Contrib.
Market Cap. Quintile (\$Bil)											
1) Above 232.00	13.6%	19.9%	-6.3%	6.8%	8.7%	-1.9%	1.1%	-7.9%	-6.8%	0.7%	-6.1%
2) 96.58 - 232.00	29.5%	19.9%	9.6%	-1.7%	1.3%	-3.0%	2.4%	1.4%	3.8%	-0.8%	3.0%
3) 40.43 - 96.58	30.4%	20.0%	10.4%	1.7%	4.9%	-3.3%	-0.5%	-2.0%	-2.5%	-0.1%	-2.6%
4) 14.95 - 40.43	19.4%	20.1%	-0.7%	1.3%	5.9%	-4.6%	0.0%	-0.3%	-0.3%	0.1%	-0.2%
5) 0.00 - 14.95	7.1%	20.1%	-13.0%	-1.8%	5.7%	-7.5%	-0.4%	2.0%	1.6%	0.1%	1.6%
Total				1.1%	5.3%	-4.3%	2.6%	-6.9%	-4.3%	0.0%	-4.3%



## Characteristics

Market Value: \$7.7 Million and 2.0% of Fund

#### Style Drift - 5 Years



NTGI S&P 400

S&P 400 MidCap

#### Characteristics

☆

	Portfolio	S&P 400 MidCap
Number of Holdings	402	401
Weighted Avg. Market Cap. (\$B)	5.8	5.8
Median Market Cap. (\$B)	4.1	4.1
Price To Earnings	26.8	26.3
Price To Book	4.2	3.7
Price To Sales	3.1	3.1
Return on Equity (%)	17.3	13.5
Yield (%)	1.5	1.5
Beta		1.0
R-Squared		1.0

#### Characteristics

	Portfolio	S&P 400 MidCap
INDUSTRY SECTOR DISTRIBUTION (% E	quity)	
Energy	4.2	4.3
Materials	6.8	6.9
Industrials	16.0	16.1
Consumer Discretionary	12.1	12.2
Consumer Staples	3.8	3.8
Health Care	7.5	7.6
Financials	17.0	17.1
Information Technology	17.3	17.4
Telecommunication Services	0.1	0.1
Utilities	5.2	5.3
Real Estate	9.1	9.2
Unclassified	0.2	0.0

Lar	gest Holdings	
	End Weight	Return
TAKE TWO INTACT.SFTW.	0.7	7.4
SVB FINANCIAL GROUP	0.7	25.0
NVR	0.7	22.9
MSCI	0.6	8.6
TELEFLEX	0.6	3.0

#### **Top Contributors**

	Beg Wgt	Return	Contribution
HOLLYFRONTIER	0.4	43.5	0.2
SVB FINANCIAL GROUP	0.6	25.0	0.1
NVR	0.6	22.9	0.1
STEEL DYNAMICS	0.5	25.6	0.1
COPART	0.4	25.7	0.1

#### **Bottom Contributors**

	Beg Wgt	Return	Contribution
MALLINCKRODT	0.2	-39.6	-0.1
ACADIA HEALTHCARE CO.	0.2	-31.7	-0.1
TREEHOUSE FOODS	0.2	-27.0	-0.1
MEDIDATA SOLUTIONS	0.3	-18.8	0.0
EDGEWELL PERSONAL CARE	0.2	-18.4	0.0

#### **Market Capitalization**

	Small Cap	Small/ Mid	Mid Cap	Mid/ Large	Large Cap
zzz - NTGI Large-Cap Growth	0.0%	0.0%	0.0%	0.0%	0.0%
Russell 1000 Growth	0.2%	6.2%	15.0%	31.0%	47.6%
Weight Over/Under	-0.2%	-6.2%	-15.0%	-31.0%	-47.6%

## NTGI S&P 400

#### As of December 31, 2017

## Attribution

Market Value: \$7.7 Million and 2.0% of Fund

#### Sector Attribution vs S&P 400 MidCap

GICS Sector	Portfolio Weight	Index Weight	Excess Weight	Portfolio USD Return	Index USD Return	Excess Return	Allocation Effect (Local)	Selection Effect (Local)	Active Contrib.	Passive Contrib.	Total Contrib.
Energy	4.2%	4.2%	0.0%	-3.6%	9.7%	-13.3%		0.0%	0.0%	0.1%	0.1%
Materials	6.9%	6.9%	0.0%	3.0%	6.1%	-3.1%		0.0%	0.0%	0.0%	0.0%
Industrials	15.6%	15.9%	-0.3%	3.0%	8.6%	-5.6%		0.0%	0.0%	0.4%	0.4%
Consumer Discretionary	11.4%	11.4%	0.0%	1.8%	10.2%	-8.4%		0.0%	0.0%	0.4%	0.4%
Consumer Staples	3.9%	3.9%	0.0%	-1.0%	5.3%	-6.3%		0.0%	0.0%	0.0%	0.0%
Health Care	8.2%	8.2%	0.0%	0.8%	1.9%	-1.1%		0.0%	0.0%	-0.4%	-0.4%
Financials	16.8%	16.8%	0.0%	1.8%	6.3%	-4.5%		0.0%	0.0%	0.0%	0.0%
Information Technology	17.4%	17.4%	0.0%	5.8%	6.6%	-0.8%		0.0%	0.0%	0.1%	0.1%
Telecommunication Services	0.2%	0.2%	0.0%	4.0%	-10.1%	14.1%		0.0%	0.0%	0.0%	0.0%
Utilities	5.5%	5.5%	0.0%	4.7%	2.6%	2.1%		0.0%	0.0%	-0.2%	-0.2%
Real Estate	9.7%	9.6%	0.0%	-0.9%	2.3%	-3.2%		0.0%	0.0%	-0.4%	-0.4%
Unclassified	0.3%	0.0%	0.3%	-0.2%		0.0%		0.0%	0.0%	0.0%	0.0%

#### NTGI S&P 400 Performance Attribution vs. S&P 400 MidCap

	Total	Selection	Allocation	Interaction
	Effects	Effect	Effect	Effects
Energy	0.0%	0.0%	0.0%	0.0%
Materials	0.0%	0.0%	0.0%	0.0%
Industrials	0.0%	0.0%	0.0%	0.0%
Consumer Discretionary	0.0%	0.0%	0.0%	0.0%
Consumer Staples	0.0%	0.0%	0.0%	0.0%
Health Care	0.0%	0.0%	0.0%	0.0%
Financials	0.0%	0.0%	0.0%	0.0%
Information Technology	0.0%	0.0%	0.0%	0.0%
Telecommunication Services	0.0%	0.0%	0.0%	0.0%
Utilities	0.0%	0.0%	0.0%	0.0%
Real Estate	0.0%	0.0%	0.0%	0.0%
Cash	0.0%	0.0%	0.0%	0.0%
Portfolio	-0.2% =	0.0% +	-0.2% +	0.0%

#### Market Cap Attribution vs. S&P 400 MidCap

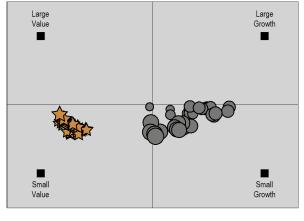
	Portfolio Weight	Index Weight	Excess Weight	Portfolio USD Return	Index USD Return	Excess USD Return	Allocation Effect (Local)	Selection Effect (Local)	Active Contrib.	Passive Contrib.	Total Contrib.
Market Cap. Quintile (\$Bil)											
1) Above 7.27	19.8%	19.8%	0.0%	5.6%	9.3%	-3.7%	-0.7%	-1.0%	-1.7%	0.6%	-1.1%
2) 5.65 - 7.27	20.2%	20.2%	0.0%	3.5%	7.5%	-4.0%	-0.2%	-0.1%	-0.4%	0.3%	-0.1%
3) 4.43 - 5.65	19.8%	19.8%	0.0%	1.8%	6.2%	-4.3%	-0.1%	-0.9%	-1.1%	0.0%	-1.1%
4) 3.36 - 4.43	20.0%	20.0%	0.0%	0.9%	3.6%	-2.7%	0.2%	0.0%	0.3%	-0.5%	-0.2%
5) 0.00 - 3.36	20.2%	20.2%	0.0%	-0.6%	4.7%	-5.3%	-0.8%	-0.4%	-1.2%	-0.3%	-1.5%
Total				2.2%	6.3%	-4.0%	-1.5%	-2.5%	-4.0%	0.0%	-4.0%



## Characteristics

Market Value: \$26.6 Million and 7.1% of Fund

#### Style Drift - 5 Years



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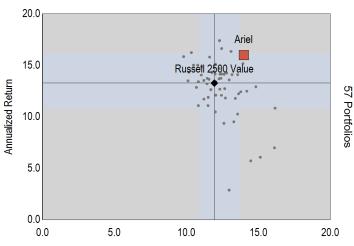
🌒 Ariel 🛛 🛧 Russell 2500 Value

#### Characteristics

	Portfolio	Russell 2500 Value
Number of Holdings	39	1,752
Weighted Avg. Market Cap. (\$B)	8.0	4.8
Median Market Cap. (\$B)	5.2	1.0
Price To Earnings	22.5	19.3
Price To Book	3.1	2.2
Price To Sales	1.9	2.9
Return on Equity (%)	13.7	7.5
Yield (%)	1.6	1.8
Beta	1.1	1.0
R-Squared	0.8	1.0

#### **Characteristics**

	Portfolio	Russell 2500 Value
INDUSTRY SECTOR DISTRIBUTION (% Ed	quity)	
Energy	4.0	7.1
Materials	0.0	5.6
Industrials	17.2	13.9
Consumer Discretionary	29.2	10.7
Consumer Staples	3.0	3.4
Health Care	7.0	5.5
Financials	14.0	24.1
Information Technology	13.7	8.2
Telecommunication Services	0.0	0.3
Utilities	0.0	6.7
Real Estate	7.1	14.5
Unclassified	0.0	0.0



Risk / Return - 5 Years

Annualized Standard Deviation

#### Largest Holdings

	End Weight	Return
LAZARD 'A'	4.8	17.1
KENNAMETAL	4.5	20.6
ZEBRA TECHNOLOGIES 'A'	4.2	-4.4
MSG NETWORKS	3.8	-4.5
JONES LANG LASALLE	3.7	20.9

#### **Top Contributors**

	Beg Wgt	Return	Contribution
KENNAMETAL	4.1	20.6	0.8
LAZARD 'A'	4.7	17.1	0.8
JONES LANG LASALLE	3.6	20.9	0.7
BRISTOW GROUP	1.3	44.1	0.6
SIMPSON MNFG.	2.9	17.6	0.5

#### **Bottom Contributors**

	Beg Wgt	Return	Contribution
ANIXTER INTL.	2.8	-10.6	-0.3
ZEBRA TECHNOLOGIES 'A'	4.7	-4.4	-0.2
MSG NETWORKS	3.7	-4.5	-0.2
INTERPUBLIC GROUP	2.9	-2.1	-0.1
MADISON SQUARE GARDEN CL.A	1.5	-1.5	0.0

#### **Market Capitalization**

	Small Cap	Small/ Mid	Mid Cap	Mid/ Large	Large Cap
Ariel	24.5%	46.5%	29.0%	0.0%	0.0%
Russell 2500 Value	34.4%	51.2%	14.4%	0.0%	0.0%
Weight Over/Under	-9.8%	-4.7%	14.6%	0.0%	0.0%



Attribution

Market Value: \$26.6 Million and 7.1% of Fund

#### Sector Attribution vs Russell 2500 Value

GICS Sector	Portfolio Weight	Index Weight	Excess Weight	Portfolio USD Return	Index USD Return	Excess Return	Allocation Effect (Local)	Selection Effect (Local)	Active Contrib.	Passive Contrib.	Total Contrib.
Energy	3.8%	6.8%	-3.0%	-2.5%	7.7%	-10.2%	-1.2%	-0.4%	-1.5%	0.2%	-1.3%
Materials	0.0%	5.2%	-5.2%		9.8%		0.9%	0.0%	0.9%	0.3%	1.2%
Industrials	14.4%	13.5%	0.9%	6.5%	7.5%	-1.0%	-0.2%	-5.4%	-5.6%	0.4%	-5.1%
Consumer Discretionary	31.3%	10.3%	21.0%	-3.9%	7.6%	-11.5%	3.4%	8.5%	12.0%	0.4%	12.3%
Consumer Staples	2.2%	3.4%	-1.2%	1.1%	4.8%	-3.7%	-0.3%	-0.6%	-0.8%	0.0%	-0.8%
Health Care	10.8%	6.0%	4.8%	3.0%	-1.5%	4.5%	1.4%	-5.6%	-4.3%	-0.3%	-4.6%
Financials	14.3%	24.5%	-10.2%	4.0%	2.8%	1.2%	0.4%	-4.3%	-3.9%	-0.3%	-4.2%
Information Technology	16.0%	8.4%	7.6%	0.3%	2.8%	-2.5%	-1.5%	3.4%	1.9%	-0.1%	1.8%
Telecommunication Services	0.0%	0.4%	-0.4%		-4.5%		0.1%	0.0%	0.1%	0.0%	0.1%
Utilities	0.0%	6.8%	-6.8%		2.4%		2.3%	0.0%	2.3%	-0.1%	2.2%
Real Estate	7.3%	14.7%	-7.4%	4.3%	1.6%	2.7%	-0.9%	-3.6%	-4.6%	-0.4%	-4.9%
Total				0.9%	4.2%	-3.3%	4.6%	-7.9%	-3.3%	0.0%	-3.3%

#### Performance Attribution vs. Russell 2500 Value

	Total	Selection	Allocation	Interaction
	Effects	Effect	Effect	Effects
Energy	0.1%	0.7%	-0.2%	-0.3%
Materials	-0.5%		-0.5%	
Industrials	0.7%	0.7%	0.0%	0.0%
Consumer Discretionary	0.8%	-0.2%	1.5%	-0.4%
Consumer Staples	0.2%	0.5%	-0.1%	-0.2%
Health Care	0.6%	0.4%	-0.1%	0.3%
Financials	1.1%	2.5%	-0.3%	-1.1%
Information Technology	-0.6%	-0.4%	0.2%	-0.4%
Telecommunication Services	0.0%		0.0%	
Utilities	-0.2%		-0.2%	
Real Estate	1.0%	2.4%	-0.1%	-1.3%
Cash	0.0%	0.0%	0.0%	0.0%
Portfolio	3.3%	= 6.5%	+ 0.2%	+ -3.4%

#### Market Cap Attribution vs. Russell 2500 Value

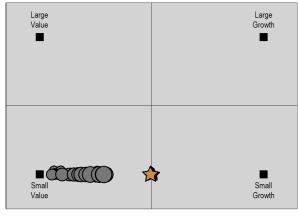
	Portfolio Weight	Index Weight	Excess Weight	Portfolio USD Return	Index USD Return	Excess USD Return	Allocation Effect (Local)	Selection Effect (Local)	Active Contrib.	Passive Contrib.	Total Contrib.
Market Cap. Quintile (\$Bil)											
1) Above 6.93	34.9%	20.0%	14.9%	1.3%	7.8%	-6.5%	-2.6%	3.5%	0.9%	0.7%	1.6%
2) 4.77 - 6.93	26.8%	20.0%	6.8%	3.9%	5.8%	-2.0%	-0.6%	-6.3%	-6.9%	0.3%	-6.5%
3) 3.36 - 4.77	5.1%	19.9%	-14.8%	2.3%	3.1%	-0.7%	-1.3%	-1.3%	-2.6%	-0.2%	-2.9%
4) 1.68 - 3.36	24.1%	20.1%	4.0%	-0.2%	2.8%	-3.0%	0.4%	-0.8%	-0.4%	-0.3%	-0.7%
5) 0.00 - 1.68	9.1%	20.0%	-10.9%	-7.4%	1.5%	-8.9%	-0.7%	6.4%	5.7%	-0.5%	5.1%
Total				0.9%	4.2%	-3.3%	-4.8%	1.5%	-3.3%	0.0%	-3.3%



## Characteristics

Market Value: \$12.2 Million and 3.3% of Fund

#### Style Drift - 5 Years



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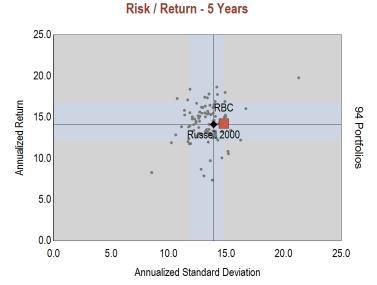
RBC 
 Russell 2000

#### Characteristics

	Portfolio	Russell 2000
Number of Holdings	79	1,983
Weighted Avg. Market Cap. (\$B)	2.5	2.4
Median Market Cap. (\$B)	1.6	0.8
Price To Earnings	30.4	18.4
Price To Book	4.0	3.3
Price To Sales	2.6	3.1
Return on Equity (%)	18.3	7.8
Yield (%)	0.6	1.0
Beta	1.1	1.0
R-Squared	0.9	1.0

#### Characteristics

	Portfolio	Russell 2000
INDUSTRY SECTOR DISTRIBUTION (% E	quity)	
Energy	4.0	3.8
Materials	5.2	4.6
Industrials	29.6	15.4
Consumer Discretionary	22.0	12.6
Consumer Staples	0.4	2.8
Health Care	7.2	15.4
Financials	15.0	17.8
Information Technology	12.6	16.7
Telecommunication Services	1.5	0.8
Utilities	0.6	3.5
Real Estate	0.8	6.7
Unclassified	0.0	0.0



#### Largest Holdings

	End Weight	Return
PATRICK INDUSTRIES	5.1	23.9
COLUMBUS MCKINNON NY	4.2	5.7
GRAND CANYON EDUCATION	3.2	-1.4
LCI INDUSTRIES	3.2	12.7
MKS INSTRUMENTS	3.0	0.2

#### **Top Contributors**

	Beg Wgt	Return	Contribution
PATRICK INDUSTRIES	4.6	23.9	1.1
ASTRONICS	1.4	39.4	0.6
COHERENT	2.2	20.0	0.4
LCI INDUSTRIES	3.0	12.7	0.4
GLOBUS MEDICAL CL.A	0.9	38.3	0.4

#### Bottom Contributors

	Beg Wgt	Return	Contribution
UNIVERSAL ELECTRONICS	3.1	-25.5	-0.8
LYDALL	1.6	-11.4	-0.2
DUCOMMUN	1.5	-11.2	-0.2
FOX FACTORY HOLDING	1.5	-9.9	-0.1
OMNOVA SOLUTIONS	1.5	-8.7	-0.1

#### **Market Capitalization**

	Small Cap	Small/ Mid	Mid Cap	Mid/ Large	Large Cap
RBC	68.2%	30.5%	1.3%	0.0%	0.0%
Russell 2000	70.1%	29.3%	0.5%	0.0%	0.0%
Weight Over/Under	-2.0%	1.2%	0.8%	0.0%	0.0%



Attribution

Market Value: \$12.2 Million and 3.3% of Fund

#### Sector Attribution vs Russell 2000

GICS Sector	Portfolio Weight	Index Weight	Excess Weight	Portfolio USD Return	Index USD Return	Excess Return	Allocation Effect (Local)	Selection Effect (Local)	Active Contrib.	Passive Contrib.	Total Contrib.
Energy	4.2%	3.6%	0.6%	-6.0%	6.1%	-12.1%	0.0%	0.0%	0.0%	0.1%	0.1%
Materials	5.6%	4.4%	1.2%	2.3%	4.1%	-1.8%	0.0%	0.0%	0.0%	0.0%	0.0%
Industrials	28.2%	15.1%	13.1%	5.4%	6.3%	-0.9%	0.0%	-0.1%	-0.1%	0.5%	0.4%
Consumer Discretionary	22.2%	11.9%	10.3%	-1.1%	7.9%	-9.0%	0.0%	0.0%	0.0%	0.5%	0.6%
Consumer Staples	0.4%	2.7%	-2.3%	2.3%	7.2%	-4.9%	0.0%	0.0%	0.0%	0.1%	0.1%
Health Care	6.4%	15.7%	-9.4%	3.8%	2.6%	1.3%	0.0%	0.0%	-0.1%	-0.1%	-0.2%
Financials	14.7%	18.3%	-3.6%	3.0%	1.6%	1.4%	0.0%	0.0%	0.0%	-0.3%	-0.3%
Information Technology	13.9%	16.8%	-2.9%	8.5%	1.0%	7.5%	0.0%	-0.1%	-0.1%	-0.4%	-0.4%
Telecommunication Services	1.1%	0.8%	0.3%	-0.1%	-4.0%	3.9%	0.0%	0.0%	0.0%	-0.1%	-0.1%
Utilities	1.4%	3.6%	-2.3%	5.8%	1.1%	4.7%	0.0%	0.0%	0.0%	-0.1%	-0.1%
Real Estate	2.0%	7.0%	-5.0%	-0.1%	-0.5%	0.4%	0.0%	0.0%	0.0%	-0.3%	-0.3%
Total				3.1%	3.3%	-0.2%	0.0%	-0.2%	-0.2%	0.0%	-0.2%

#### Performance Attribution vs. Russell 2000

	Total	Selection	Allocation	Interaction
	Effects	Effect	Effect	Effects
Energy	-0.1%	-0.1%	0.0%	0.0%
Materials	-0.2%	-0.2%	0.0%	0.0%
Industrials	1.7%	0.5%	0.8%	0.4%
Consumer Discretionary	-1.3%	-1.2%	0.7%	-0.9%
Consumer Staples	-0.2%	-0.3%	-0.2%	0.2%
Health Care	0.3%	1.3%	-0.2%	-0.8%
Financials	0.2%	0.4%	-0.1%	-0.1%
Information Technology	0.8%	1.1%	0.0%	-0.2%
Telecommunication Services	0.3%	0.2%	0.0%	0.1%
Utilities	0.0%	0.0%	0.0%	0.0%
Real Estate	0.1%	0.3%	0.0%	-0.2%
Cash	0.0%	0.0%	0.0%	0.0%
Portfolio	1.6% =	2.1% +	1.1% +	-1.6%

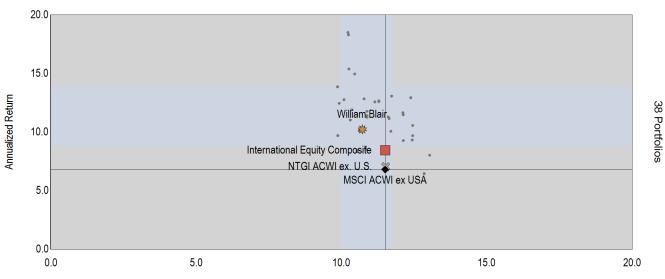
#### Market Cap Attribution vs. Russell 2000

	Portfolio Weight	Index Weight	Excess Weight	Portfolio USD Return	Index USD Return	Excess USD Return	Allocation Effect (Local)	Selection Effect (Local)	Active Contrib.	Passive Contrib.	Total Contrib.
Market Cap. Quintile (\$Bil)											
1) Above 3.34	26.6%	19.9%	6.7%	5.1%	4.7%	0.4%	0.0%	0.0%	-0.1%	0.3%	0.2%
2) 2.40 - 3.34	12.6%	20.1%	-7.5%	0.4%	3.2%	-2.8%	0.0%	0.0%	0.0%	0.0%	0.0%
3) 1.64 - 2.40	8.9%	20.0%	-11.1%	1.6%	4.4%	-2.7%	0.0%	0.0%	0.0%	0.2%	0.2%
4) 0.96 - 1.64	23.4%	20.1%	3.3%	5.6%	2.5%	3.1%	0.0%	-0.1%	-0.1%	-0.2%	-0.3%
5) 0.00 - 0.96	28.5%	19.9%	8.6%	0.8%	1.7%	-0.9%	0.0%	0.0%	0.0%	-0.3%	-0.3%
Total				3.1%	3.3%	-0.2%	0.0%	-0.2%	-0.2%	0.0%	-0.2%

### Characteristics

Market Value: \$79.3 Million and 21.1% of Fund

As of December 31, 2017



### Annualized Standard Deviation

#### Characteristics

	Portfolio	MSCI ACWI ex USA Gross
Number of Holdings	2,097	1,866
Weighted Avg. Market Cap. (\$B)	53.1	66.3
Median Market Cap. (\$B)	7.5	8.6
Price To Earnings	22.3	20.8
Price To Book	4.0	2.8
Price To Sales	3.0	2.2
Return on Equity (%)	18.9	15.0
Yield (%)	2.4	2.7
Beta	1.0	1.0
R-Squared	1.0	1.0

Region	% of Total	% of Bench
North America ex U.S.	5.5%	6.6%
United States	1.0%	0.0%
Europe Ex U.K.	26.7%	31.6%
United Kingdom	10.4%	12.1%
Pacific Basin Ex Japan	11.1%	8.3%
Japan	16.8%	16.6%
Emerging Markets	27.5%	24.5%
Other	1.1%	0.5%
Total	100.0%	100.0%

### Characteristics

		MSCI		Market Capitaliza	tion			
INDUSTRY SECTOR DISTRIBUTION (% Equity)	Portfolio	ACWI ex USA Gross		Small Cap	Small/ Mid	Mid Cap	Mid/ Large	Large Cap
Energy	5.8	6.7	International Equity Composite	10.2%	23.9%	22.5%	25.4%	18.0%
Materials	7.7	8.1						
Industrials	13.9	11.9						
Consumer Discretionary	12.1	11.3						
Consumer Staples	8.4	9.5						
Health Care	6.4	7.6						
Financials	22.6	23.1						
Information Technology	12.9	11.5						
Telecommunication Services	3.0	4.0						
Utilities	2.6	2.9						

3.2

0.0

3.0

0.1

### Risk / Return - 5 Years

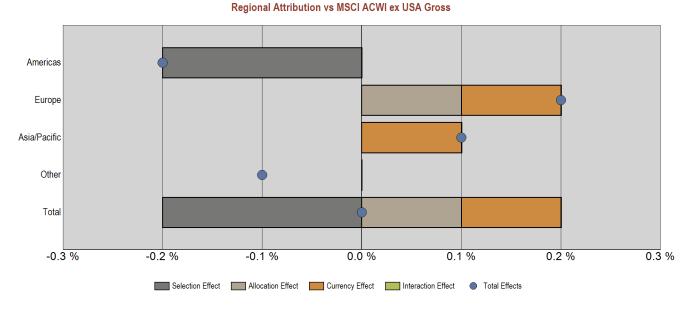
Real Estate

Unclassified

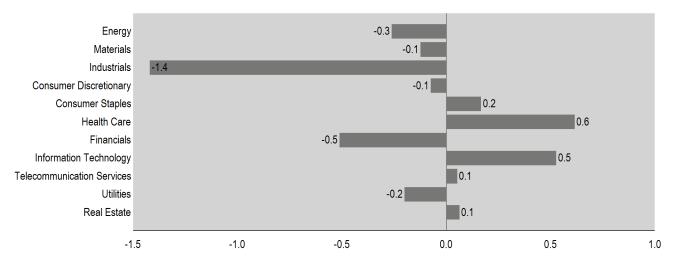
### Attribution

Market Value: \$79.3 Million and 21.1% of Fund

As of December 31, 2017



### Active Contribution vs. MSCI ACWI ex USA Gross



International Equity Composite

### Market Cap Attribution vs. MSCI ACWI ex USA Gross

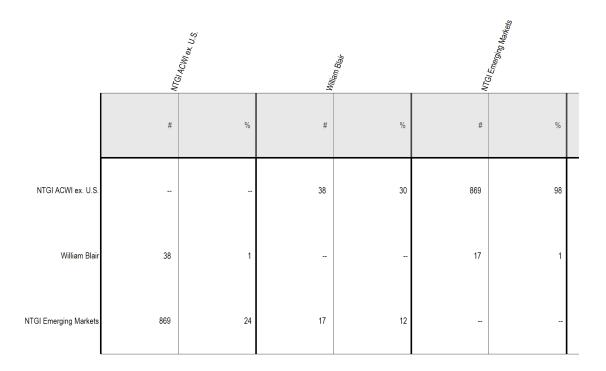
	Portfolio Weight	Index Weight	Excess Weight	Portfolio USD Return	Index USD Return	Excess USD Return	Allocation Effect (Local)	Selection Effect (Local)	Active Contrib.	Passive Contrib.	Total Contrib.
Market Cap. Quintile (\$Bil)											
1) Above 97.39	15.1%	20.0%	-4.9%	2.7%	3.8%	-1.2%	-0.3%	55.6%	55.3%	-0.2%	55.0%
2) 46.60 - 97.39	13.9%	19.9%	-6.0%	2.1%	4.7%	-2.6%	-1.7%	44.9%	43.2%	-0.1%	43.1%
3) 23.74 - 46.60	14.7%	20.0%	-5.3%	1.8%	5.2%	-3.4%	1.3%	22.7%	24.0%	0.0%	24.0%
4) 11.16 - 23.74	16.1%	20.1%	-4.0%	2.1%	5.2%	-3.1%	-4.3%	8.0%	3.7%	0.0%	3.7%
5) 0.00 - 11.16	40.3%	20.0%	20.3%	1.5%	6.2%	-4.7%	-23.9%	-105.3%	-129.2%	0.2%	-129.0%
Total				1.9%	5.0%	-3.1%	-28.9%	25.8%	-3.1%	0.0%	-3.1%

As of December 31, 2017

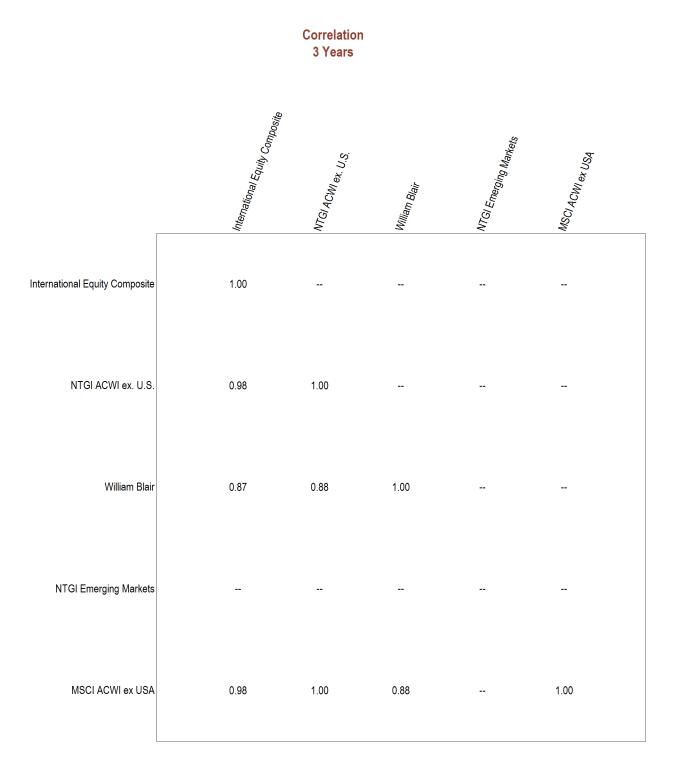


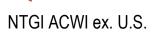
### Equity Style Map 3 Years Ending December 31, 2017

### **Common Holdings Matrix**



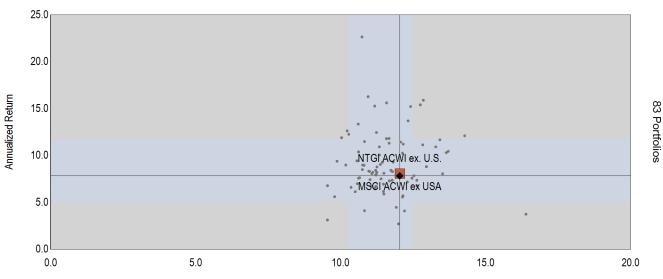
As of December 31, 2017





### Characteristics

Market Value: \$50.7 Million and 13.5% of Fund



Risk / Return - 3 Years

### Annualized Standard Deviation

#### Characteristics

	Portfolio	MSCI ACWI ex USA Gross
Number of Holdings	1,990	1,866
Weighted Avg. Market Cap. (\$B)	66.4	66.3
Median Market Cap. (\$B)	8.6	8.6
Price To Earnings	21.0	20.8
Price To Book	3.5	2.8
Price To Sales	2.8	2.2
Return on Equity (%)	16.6	15.0
Yield (%)	2.7	2.7
Beta	1.0	1.0
R-Squared	1.0	1.0

Region	% of Total	% of Bench
North America ex U.S.	6.5%	6.6%
United States	0.5%	0.0%
Europe Ex U.K.	32.3%	31.6%
United Kingdom	9.9%	12.1%
Pacific Basin Ex Japan	12.3%	8.3%
Japan	16.7%	16.6%
Emerging Markets	21.4%	24.5%
Other	0.5%	0.5%
Total	100.0%	100.0%

#### Characteristics

	Portfolio	MSCI ACWI ex USA Gross
INDUSTRY SECTOR DISTRIBUTION (% Ed	quity)	
Energy	6.7	6.7
Materials	7.9	8.1
Industrials	11.9	11.9
Consumer Discretionary	11.3	11.3
Consumer Staples	9.6	9.5
Health Care	7.6	7.6
Financials	22.9	23.1
Information Technology	11.4	11.5
Telecommunication Services	4.0	4.0
Utilities	2.9	2.9
Real Estate	3.1	3.2

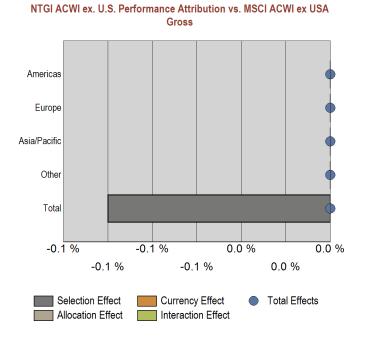
# Market CapitalizationSmall<br/>CapMid<br/>CapLarge<br/>CapNTGI ACWI ex. U.S.6.2%19.2%74.6%MSCI ACWI ex USA Gross4.8%19.2%76.0%

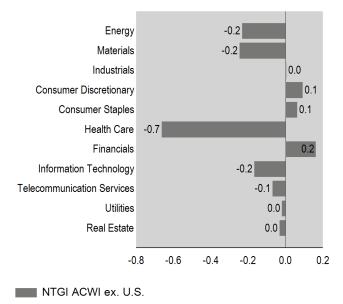


### Attribution

Market Value: \$50.7 Million and 13.5% of Fund

### **Active Contribution**





### **Performance By Characteristic**

	Portfolio Weight	Index Weight	Excess Weight	Portfolio USD Return	Index USD Return	Excess USD Return	Allocation Effect (Local)	Selection Effect (Local)	Active Contrib.	Passive Contrib.	Total Contrib.
Market Cap. Quintile (\$Bil)											
1) Above 97.39	19.8%	20.0%	-0.2%	1.9%	3.8%	-1.9%	0.0%	-1.3%	-1.3%	-0.2%	-1.5%
2) 46.60 - 97.39	19.6%	19.9%	-0.4%	1.7%	4.7%	-2.9%	0.0%	-0.5%	-0.6%	-0.1%	-0.6%
3) 23.74 - 46.60	19.9%	20.0%	-0.1%	1.8%	5.2%	-3.4%	0.0%	-0.4%	-0.4%	0.0%	-0.4%
4) 11.16 - 23.74	20.1%	20.1%	0.0%	2.2%	5.2%	-3.1%	0.0%	-1.7%	-1.7%	0.0%	-1.6%
5) 0.00 - 11.16	20.6%	20.0%	0.6%	1.7%	6.2%	-4.5%	-0.2%	1.0%	0.7%	0.2%	1.0%

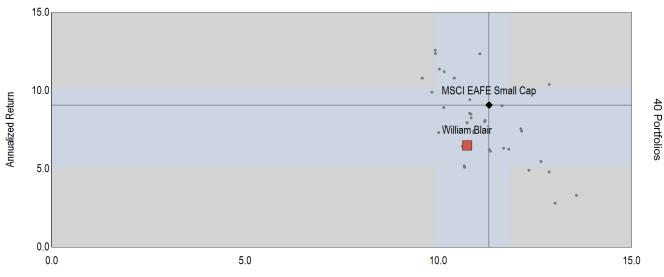


## Characteristics

Market Value: \$20.3 Million and 5.4% of Fund

% of

% of



Risk / Return - 4 Years

### Annualized Standard Deviation

### Characteristics

	Portfolio	MSCI EAFE Small Cap
Number of Holdings	141	2,307
Weighted Avg. Market Cap. (\$B)	4.3	2.8
Median Market Cap. (\$B)	3.4	1.2
Price To Earnings	25.6	20.0
Price To Book	5.5	2.7
Price To Sales	3.0	2.1
Return on Equity (%)	24.8	13.0
Yield (%)	1.9	2.1
Beta	0.9	1.0
R-Squared	0.9	1.0

Region	% of Total	% of Bench
North America ex U.S.	5.1%	0.0%
United States	2.4%	0.0%
Europe Ex U.K.	23.3%	37.7%
United Kingdom	16.1%	18.5%
Pacific Basin Ex Japan	7.4%	11.5%
Japan	23.8%	30.7%
Emerging Markets	18.8%	0.0%
Other	3.1%	1.5%
Total	100.0%	100.0%

### Characteristics

	Portfolio	MSCI EAFE Small Cap
INDUSTRY SECTOR DISTRIBUTION (% Ed	quity)	
Energy	3.4	2.5
Materials	7.6	9.5
Industrials	22.6	21.4
Consumer Discretionary	15.1	16.1
Consumer Staples	6.2	7.0
Health Care	5.0	6.7
Financials	21.6	11.6
Information Technology	11.0	11.5
Telecommunication Services	0.0	1.4
Utilities	2.2	2.0
Real Estate	2.7	10.4
Unclassified	0.0	0.0

### **Market Capitalization**

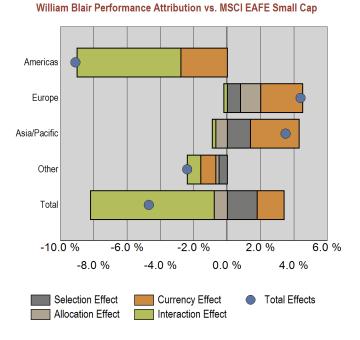
	Small	Small/	Mid	Mid/	Large
	Cap	Mid	Cap	Large	Cap
William Blair	36.4%	56.0%	7.6%	0.0%	0.0%

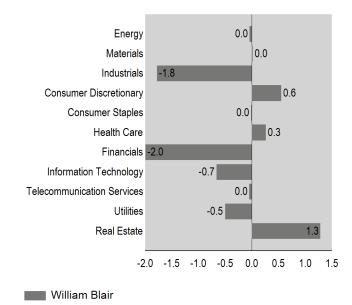


Attribution

Market Value: \$20.3 Million and 5.4% of Fund

### **Active Contribution**





### **Performance By Characteristic**

	Portfolio Weight	Index Weight	Excess Weight	Portfolio USD Return	Index USD Return	Excess USD Return	Allocation Effect (Local)	Selection Effect (Local)	Active Contrib.	Passive Contrib.	Total Contrib.
Market Cap. Quintile (\$Bil)											
1) Above 4.17	40.7%	19.9%	20.8%	1.6%	6.2%	-4.7%	0.2%	-3.8%	-3.5%	0.1%	-3.5%
2) 2.90 - 4.17	24.1%	20.1%	4.1%	1.4%	6.2%	-4.7%	0.3%	-3.2%	-2.9%	0.0%	-2.8%
3) 1.88 - 2.90	19.1%	20.1%	-1.0%	0.4%	6.2%	-5.9%	0.0%	-1.9%	-1.9%	0.1%	-1.8%
4) 1.12 - 1.88	13.3%	20.0%	-6.7%	1.8%	5.8%	-4.1%	-0.1%	1.0%	1.0%	0.0%	1.0%
5) 0.00 - 1.12	2.8%	20.0%	-17.1%	-1.6%	5.3%	-6.9%	1.0%	1.6%	2.6%	-0.1%	2.4%

# NTGI Emerging Markets

As of December 31, 2017

## Characteristics

Market Value: \$8.3 Million and 2.2% of Fund

60.0 50.0 NTGI Emerging Markets 40.0 Annualized Return 184 Portfolios **ASCI Emerging Markets** 30.0 20.0 10.0 0.0 0.0 5.0 10.0 15.0 Annualized Standard Deviation

### Characteristics

	Portfolio	MSCI Emerging Markets
Number of Holdings	905	846
Weighted Avg. Market Cap. (\$B)	89.2	89.8
Median Market Cap. (\$B)	6.0	6.0
Price To Earnings	22.4	22.1
Price To Book	4.5	3.3
Price To Sales	3.7	2.7
Return on Equity (%)	19.0	18.1
Yield (%)	2.2	2.1
Beta		1.0
R-Squared		1.0

Region	% of Total	% of Bench
North America ex U.S.	0.0%	0.0%
United States	0.6%	0.0%
Europe Ex U.K.	0.3%	0.3%
United Kingdom	0.0%	0.0%
Pacific Basin Ex Japan	12.6%	0.0%
Japan	0.0%	0.0%
Emerging Markets	85.9%	99.0%
Other	0.6%	0.6%
Total	100.0%	100.0%

### Characteristics

	Portfolio	MSCI Emerging Markets
INDUSTRY SECTOR DISTRIBUTION (% Eq	uity)	
Energy	6.6	6.8
Materials	7.3	7.4
Industrials	5.2	5.3
Consumer Discretionary	10.0	10.2
Consumer Staples	6.4	6.5
Health Care	2.6	2.7
Financials	23.0	23.5
Information Technology	26.9	27.7
Telecommunication Services	4.7	4.8
Utilities	2.3	2.4
Real Estate	2.7	2.8
Unclassified	0.1	0.0

### **Market Capitalization**

	Small Cap	Mid Cap	Large Cap
NTGI Emerging Markets	3.5%	15.4%	81.1%
MSCI Emerging Markets	3.7%	15.5%	80.8%

### Risk / Return - 1 Year

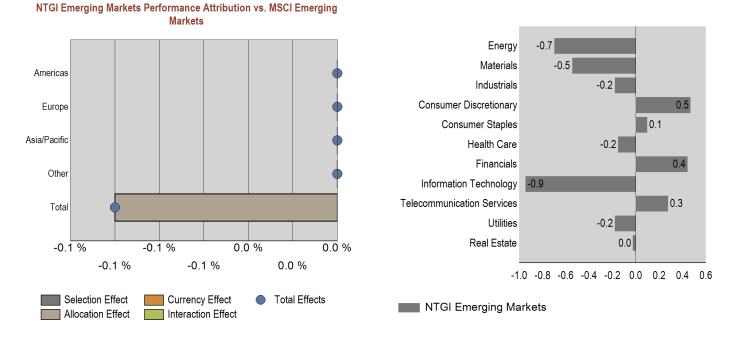
# NTGI Emerging Markets

As of December 31, 2017

### Attribution

Market Value: \$8.3 Million and 2.2% of Fund

### **Active Contribution**



### **Performance By Characteristic**

	Portfolio Weight	Index Weight	Excess Weight	Portfolio USD Return	Index USD Return	Excess USD Return	Allocation Effect (Local)	Selection Effect (Local)	Active Contrib.	Passive Contrib.	Total Contrib.
Market Cap. Quintile (\$Bil)											
1) Above 104.55	19.4%	20.0%	-0.6%	7.6%	8.6%	-1.0%	-3.3%	19.1%	15.8%	0.3%	16.0%
2) 33.04 - 104.55	21.1%	20.0%	1.1%	3.3%	8.6%	-5.2%	1.8%	-20.0%	-18.2%	0.3%	-17.9%
3) 15.32 - 33.04	19.7%	20.0%	-0.4%	2.8%	5.9%	-3.1%	0.6%	-1.9%	-1.3%	-0.3%	-1.6%
4) 6.89 - 15.32	20.0%	20.0%	0.0%	2.4%	7.0%	-4.6%	0.1%	-0.2%	-0.1%	0.0%	-0.1%
5) 0.00 - 6.89	19.9%	20.0%	-0.1%	1.4%	6.3%	-4.9%	0.5%	-0.5%	0.0%	-0.2%	-0.2%



#### Characteristics

### Characteristics

Market Value: \$11.7 Million and 3.1% of Fund

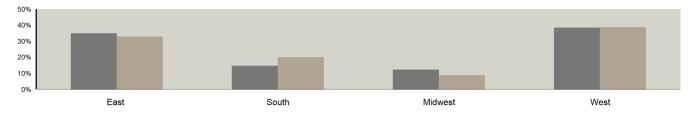
### Strategy Breakdown

	UBS Trumbull Property Fund (TPF)		% of Portfolio	Top Five Metro Areas	% of I
	,	Due Due/Fund Constant			
Number of Properties	211	Pre-Dvp/Fwd Comm.	0.3%	New York	13
Total Square Feet	69,287,625	Development	2.2%	Los Angeles-LongBeach	
% in Top Ten	23.6%	Re-Development	0.0%	Chicago	10
% Leased (By Square Feet)	92.2%	Initial Leasing	1.6%	Boston	8
% Leverage	17.2%	Operating	95.9%	San Francisco	7
% Equity	54.8%	Cash, Debt & Other	0.0%		
% Joint Ventures	41.1%				
1-Year Dividend Yield	4.3%			Queue %	
1-Year Net Income Return	3.8%	Fund GAV	\$23,672,547,000	0.8%	
1-Year Gross Appreciation Return	1.6%	Fund NAV	\$19,288,745,000	1.0%	
1-Year Gross Total Return	6.3%	Queue	+\$196,000,000		
% of Portfolio Owned by Client	0.1%	Queue Length ey will	be taken in at next		

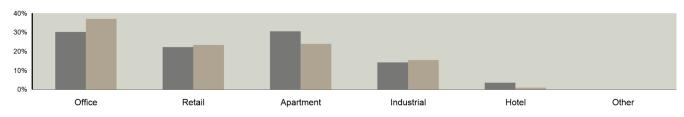
#### Top Ten Holdings Investment Detail

			Total Cost		
Property	Туре	Location	(\$M) Fair Ma	arket Value (\$M)	% of Fund
53 State Street	Office	Boston, MA	\$687.7	\$792.0	4.0%
CambridgeSide	Retail	Cambridge, MA	\$323.7	\$625.2	3.1%
135 West 50th Street	Office	New York, NY	\$673.7	\$589.0	3.0%
Liberty Green-Liberty Luxe	Apartment	New York, NY	\$391.6	\$518.0	2.6%
35 West Wacker	Office	Chicago, IL	\$420.5	\$464.4	2.3%
120 Broadway	Office	New York, NY	\$242.1	\$381.5	1.9%
Galleria Dallas	Retail	Dallas, TX	\$424.1	\$364.7	1.8%
Shops at Montebello	Retail	Montebello, CA	\$196.8	\$342.0	1.7%
1177 Avenue of the Americas	Office	New York, NY	\$293.5	\$312.3	1.6%
Bay Street Emeryville	Retail	Emeryville, CA	\$310.3	\$309.9	1.6%
Total			\$3,964.0	\$4,699.0	23.6%

### Regional Breakdown by NAV (Excluding Cash & Debt)

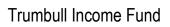


### Property Type Breakdown by NAV (Excluding Cash & Debt)



#### Property Size Breakdown by NAV (Excluding Cash & Debt)





#### Characteristics

### Characteristics

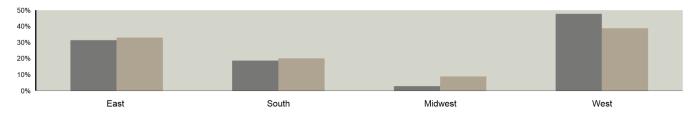
Market Value: \$11.8 Million and 3.1% of Fund Strategy Breakdown

UBS Trumbu	II Property Income Fund (TPI)		% of Portfolio	Top Five Metro Areas	% of NA
Number of Properties	53	Pre-Dvp/Fwd Comm.	0.0%	Los Angeles-LongBeach	15.99
Total Square Feet	3,266,908	Development	14.0%	San Diego	11.99
% in Top Ten	32.9%	Re-Development	0.0%	Boston	11.69
% Leased (By Square Feet)	95.6%	Initial Leasing	0.0%	Washington DC	10.89
% Leverage	0.0%	Operating	86.0%	Atlanta	10.39
% Equity	11.2%	Cash, Debt & Other	0.0%		
% Joint Ventures	88.8%				
1-Year Dividend Yield	4.3%			Queue %	
1-Year Net Income Return	3.4%	Fund GAV	\$3,152,902,000	17.5%	
1-Year Gross Appreciation Return	1.1%	Fund NAV	\$3,088,132,000	17.9%	
1-Year Gross Total Return	5.4%	Queue	+\$552,000,000		
% of Portfolio Owned by Client	0.4%	Queue Length	15-21		

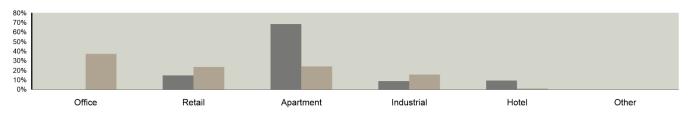
### Top Ten Holdings Investment Detail

	Total Cost							
Property	Туре	Location	(\$M) Fair Ma	rket Value (\$M)	% of Fund			
Angelene	Apartment	Los Angeles, CA	\$86.7	\$118.2	4.0%			
Wareham Crossing	Retail	Wareham, MA	\$87.0	\$106.8	3.6%			
Parc Meridian at Eisenhower	Apartment	Alexandria, VA	\$75.5	\$103.5	3.5%			
Coppins Well	Apartment	Seattle, WA	\$85.4	\$96.3	3.3%			
Meridian Courthouse Commons	Apartment	Arlington, VA	\$3.5	\$96.0	3.3%			
The Post	Apartment	Seattle, WA	\$68.9	\$94.0	3.2%			
SkyHouse Midtown	Apartment	Atlanta, GA	\$68.0	\$93.7	3.2%			
SkyHouse Buckhead	Apartment	Atlanta, GA	\$67.4	\$92.1	3.1%			
SkyHouse South	Apartment	Atlanta, GA	\$59.1	\$83.4	2.8%			
Wilshire Boulevard	Apartment	Los Angeles, CA	\$51.8	\$81.1	2.8%			
Total			\$653.4	\$965.1	32.9%			

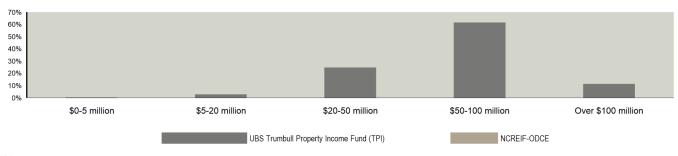
### Regional Breakdown by NAV (Excluding Cash & Debt)



#### Property Type Breakdown by NAV (Excluding Cash & Debt)



### Property Size Breakdown by NAV (Excluding Cash & Debt)



# Principal Enhanced Property Fund

### As of December 31, 2017

#### Characteristics

### Characteristics

Market Value: \$12.5 Million and 3.3% of Fund

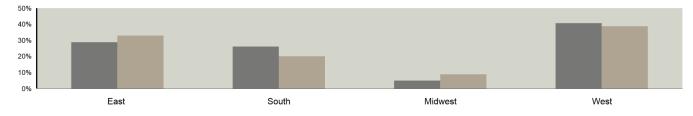
### Strategy Breakdown

Principal Fr	hanced Property Fund, L.P		% of Portfolio	Top Five Metro Areas
•	47	Pre-Dvp/Fwd Comm.	0.0%	Denver
Number of Properties				
Total Square Feet	12,575,645	Development	3.0%	Seattle
% in Top Ten	37.9%	Re-Development	0.0%	Houston
% Leased (By Square Feet)	92.1%	Initial Leasing	10.2%	Charlotte
% Leverage	37.9%	Operating	84.9%	Oakland
% Equity	62.1%	Cash, Debt & Other	1.9%	
% Joint Ventures	41.5%			
1-Year Dividend Yield	6.0%			Queue %
1-Year Net Income Return	4.1%	Fund GAV	\$2,656,487,137	7.1%
1-Year Gross Appreciation Return	3.9%	Fund NAV	\$1,490,459,452	12.7%
1-Year Gross Total Return	9.4%	Queue	+\$189,805,000	
% of Portfolio Owned by Client	0.8%	Queue Length	9-12 months	

### Top Ten Holdings Investment Detail

			Total Cost		
Property	Туре	Location	(\$M) Fair Ma	rket Value (\$M)	% of Fund
Piedmont Office	Office	Charlotte, NC	\$142.1	\$144.6	5.6%
Bay Center	Office	Oakland, CA	\$139.2	\$129.5	5.0%
The Courts at Spring Mill Station	Multifamily	Philadelphia, PA	\$92.8	\$102.3	4.0%
Cerritos Towne Center	Office	Los Angeles, CA	\$151.4	\$91.2	3.5%
Solaris Key	Multifamily	Tampa, FL	\$86.2	\$91.2	3.5%
Mid-South Logistics Center	Industrial	Nashville, TN	\$72.8	\$89.2	3.5%
Bay Area Business Park (Phase I)	Industrial	Houston, TX	\$53.8	\$86.5	3.4%
Baybrook Square	Retail	Houston, TX	\$68.6	\$85.5	3.3%
Coda	Multifamily	Denver, CO	\$57.0	\$79.9	3.1%
Tech Place on 101	Office	San Jose, CA	\$43.8	\$78.9	3.1%
Total			\$907.8	\$978.8	37.9%

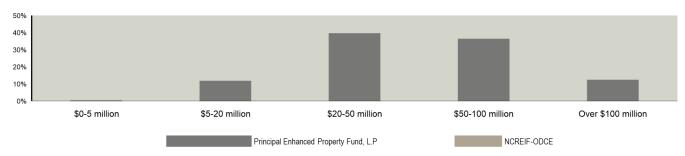
### Regional Breakdown by NAV (Excluding Cash & Debt)



#### Property Type Breakdown by NAV (Excluding Cash & Debt)



#### Property Size Breakdown by NAV (Excluding Cash & Debt)



\*Other:Land

# Total Fund Composite

# Fee Schedule

Market Value: \$376.4 Million and 100.0% of Fund

Asset Class	Investment Manager	Fee Schedule	Expense Ratio & Estimated Annual Fee <sup>1</sup>	Industry Average <sup>2</sup>
Core Fixed Income	Chicago Equity	0.25% on the first \$25 million 0.20% on the next \$75 million 0.15% on the Balance	0.25% \$40,033	0.30%
Core Fixed Income	LM Capital	0.15% on the first \$100 million 0.10% on the Balance	0.15% \$30,524	0.30%
Core Fixed Income	MacKay Shields	0.35% on the first \$25 million 0.25% on the next \$75 million 0.20% on the Balance	0.35% \$77,122	0.30%
MBS Fixed Income	Ullico - W1	0.85% on the first \$100 million 0.70% on the balance	0.85% \$78,569	0.00%
All-Cap Core	NTGI Wilshire 5000	0.02% on the balance	0.02% \$8,271	0.05%
Large-Cap Value	Great Lakes	0.35% on the Balance	0.35% \$68,156	0.61%
Mid-Cap Core	NTGI S&P 400	0.015% on the Balance	0.015% \$1,155	0.05%
Smid-Cap Value	Ariel	0.60% on the Balance	0.60% \$159,761	0.90%
Small-Cap Core	RBC	0.85% on the first \$40 million $0.65%$ on the balance	0.85% \$104,054	0.84%
Non-U.S. All-Cap Core	NTGI ACWI ex. U.S.	0.035% on the Balance	0.04% \$17,736	0.11%
Non-U.S. Small-Cap Growth	William Blair	1.08% on the Balance	1.08% \$219,678	1.17%
Emerging Markets	NTGI Emerging Markets	0.08% on the Balance	0.08% \$6,650	0.95%
Long/Short Hedge Fund	Parametric	0.35% on the Balance	0.35% \$88,060	1.00%
Risk Parity	Invesco Balanced Risk Allocation	0.45% on the first \$100 million 0.35% on the Balance	0.45% \$46,749	0.72%
Core Real Estate	Trumbull Property Fund	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 \$75 million 0.67% on the next \$150 million 0.60% on the Balance	0.94% \$109,781	1.01%
Core Real Estate	Trumbull Income Fund	0.97% on the first \$10 million 0.845% on the next \$15 million 0.815% on the next \$75 million 0.79% on the next \$150 million 0.76% on the Balance	0.95% \$112,244	1.01%
Value-Added Real Estate	Principal Enhanced Property Fund	1.30% on the first \$10 million 1.20% on the next \$50 million 1.10% on the next \$100 million 1.00% on the Balance	1.28% \$160,206	1.01%

Marquette Associates

# Total Fund Composite

# Fee Schedule

Market Value: \$376.4 Million and 100.0% of Fund

Asset Class	Investment Manager	Fee Schedule	Expense Ratio & Estimated Annual Fee <sup>1</sup>	Industry Average <sup>2</sup>
LBO Private Equity FoF	HarbourVest VII - Buyout Fund	0.30% on the Balance Discounted Fee Schedule	0.30% \$9,615	1.25%
Mezz./Special Sit. Private Equity FoF	HarbourVest VII - Mezzanine	0.30% on the Balance Discounted Fee Schedule	0.30% \$1,119	1.25%
Venture Private Equity FoF	HarbourVest VII - Venture Fund	0.30% on the Balance Discounted Fee Schedule	0.30% \$5,753	1.25%
Global Divers. Private Equity FoF	HarbourVest 2017 Global Fund	0.69% on Commitment	5.53% \$51,750	10.02%
U.S. Private Equity FoF	Mesirow Fund III	1.00% on Commitment	3.37% \$70,000	4.21%
U.S. Private Equity FoF	Mesirow Fund IV	1.00% on Commitment	1.74% \$100,000	2.17%
Private Equity Co-Investment	Mesirow Fund IX	0.53% on Commitment	5.36% \$15,900	12.63%
U.S. Private Equity FoF	NYLCAP Fund I	1.00% on Commitment	2.06% \$100,000	2.58%
U.S. Private Equity FoF	PineBridge V	0.85% on Commitment	2.77% \$85,000	4.07%
Core Infrastructure	Ullico - Infrastructure	1.75% on the Balance	1.75% \$198,407	2.00%
Global Infrastructure	IFM Global Infrastructure (U.S)	0.77% on the Balance	0.77% \$92,331	2.00%
Total Investment Management Fees			0.55% \$2,058,624	0.76%

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

<sup>2</sup> Source: 2016 Marquette Associates Investment Management Fee Study.