

(Preliminary, Subject to Change)



Employees' Pension System

City of Knoxville

Employees' Pension System

Executive Summary

December 31, 2021

Manager Status

Market Value: \$740.8 Million and 100.0% of Fund

Investment Manager	Asset Class	Status	Reason
IR+M Core Fixed	Core Fixed Income	In Compliance	
Schroders (STW) Fixed Income	Long-Term Govt. Fixed Income	In Compliance	
IR+M TIPS	TIPS	In Compliance	
Ninety One EMD Blend	EM Fixed Income	In Compliance	
Parametric Defensive Equity	Defensive Equity	In Compliance	
Eagle Capital Management	Large-Cap Value	In Compliance	
NT Russell 1000 Growth Index Fund	Large-Cap Growth	In Compliance	
Pinnacle Associates Small Mid Cap	Smid-Cap Growth	In Compliance	
William Blair Small Cap Value	Small-Cap Value	Alert	Organizational Issues
Silchester International Value	Non-U.S. Large-Cap Value	In Compliance	
Acadian Emerging Markets	Emerging Markets	In Compliance	
NT Quality Low Volatility	Global Low-Volatility	In Compliance	
Neuberger Berman Crossroads IXX (2010)	Global Divers. Private Equity FoF	In Compliance	
Fort Washington Private Equity Fund III	Secondary Private Equity FoF	In Compliance	
Fort Washington Private Equity Fund IX	Global Divers. Private Equity FoF	In Compliance	
Aberdeen Private Equity VII	LBO Private Equity FoF	In Compliance	
57 Stars Global Opportunity Fund	Global Divers. Private Equity FoF	In Compliance	
Top Tier Venture Velocity Fund I	Venture Private Equity FoF	In Compliance	
Top Tier Venture Velocity Fund IV	Venture Private Equity FoF	In Compliance	
Neuberger Berman Crossroads XXI	Global Divers. Private Equity FoF	In Compliance	
Partners Group II	Global Divers. Private Equity FoF	In Compliance	
Fort Washington Private Equity Fund X	Global Divers. Private Equity FoF	In Compliance	
Adams Street Direct 2009	Divers. Private Equity	In Compliance	
Adams Street US	U.S. Divers. Private Equity	In Compliance	
Adams Street Non-US Developed	Non-U.S. Divers. Private Equity FoF	In Compliance	
Adams Street Non-US Emerging	Non-U.S. Divers. Private Equity FoF	In Compliance	
Adams Street US SMB II	U.S. Divers. Private Equity	In Compliance	
PanAgora Diversified Risk	Risk Parity	In Compliance	
Principal Global Investors	Core Real Estate	In Compliance	
RREEF America II	Core Real Estate	In Compliance	
Aether Real Assets I	Real Assets	In Compliance	
Aether Real Assets II	Real Assets	In Compliance	
DWS RREEF Global Infrastructure	Global Infrastructure	In Compliance	
ULLICO Infrastructure	Core Infrastructure	In Compliance	
IFM Global Infrastructure	Core Infrastructure	In Compliance	

Open-End 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

Closed-End Investment Manager Evaluation Terminology

Exceeds Expections – Ranks in the 1st quartile of the respective vintage year and asset class universe.

Meets Expections – Ranks in the 2nd or 3rd quartile of the respective vintage year and asset class universe.

Below Expections - Ranks in the 3rd or 4th quartile of the respective vintage year and asset class universe.



Market Value: \$740.8 Million and 100.0% of Fund

	Asset Class	Market Value (\$)	3 Mo Net Cash Flows (\$)	% of Portfolio	Policy %	Policy Difference (\$)
Total Fund Composite		740,814,587	-4,613,959	100.0	100.0	0
Total Fixed Income Composite		199,534,149	-523	26.9	29.0	-15,302,081
Traditional Fixed Income Composite		169,596,948	-523	22.9	24.0	-8,198,553
Core Fixed Income Composite		72,829,582	-317	9.8	10.0	-1,251,877
IR+M Core Fixed	Core Fixed Income	72,829,582	-317	9.8		
Long Fixed Income Composite		73,198,218	-195	9.9	10.0	-883,240
Schroders (STW) Fixed Income	Long-Term Govt. Fixed Income	73,198,218	-195	9.9		
TIPS Composite		23,569,147	-10	3.2	4.0	-6,063,436
IR+M TIPS	TIPS	23,569,147	-10	3.2		
Emerging Debt Composite		29,937,201	0	4.0	5.0	-7,103,528
Ninety One EMD Blend	EM Fixed Income	29,937,201	0	4.0		
Total Equity Composite		415,279,855	-6,933,952	56.1	51.0	37,464,415
US Equity Composite		197,946,440	-27,588	26.7	24.0	20,150,939
Total Large Cap Composite		159,761,786	-27,359	21.6	19.0	19,007,014
Parametric Defensive Equity	Defensive Equity	34,739,092	-27,204	4.7		
Large Cap Equity Composite		125,022,694	-155	16.9	15.0	13,900,505
Eagle Capital Management	Large-Cap Value	60,878,325	-155	8.2		
NT Russell 1000 Growth Index Fund	Large-Cap Growth	64,144,368	0	8.7		
Small/Mid Cap Composite		38,184,654	-229	5.2	5.0	1,143,925
Pinnacle Associates Small Mid Cap	Smid-Cap Growth	19,967,095	-139	2.7		
William Blair Small Cap Value	Small-Cap Value	18,217,559	-90	2.5		
International Equity Composite		153,007,663	-5,139,321	20.7	19.0	12,252,891
Silchester International Value	Non-U.S. Large-Cap Value	77,179,593	-5,139,321	10.4		
Emerging Markets Composite		40,813,768	0	5.5	4.0	11,181,185
Acadian Emerging Markets	Emerging Markets	40,813,768	0	5.5		
Global Equity Composite		35,014,301	0	4.7	5.0	-2,026,428
NT Quality Low Volatility	Global Low-Volatility	35,014,301	0	4.7		

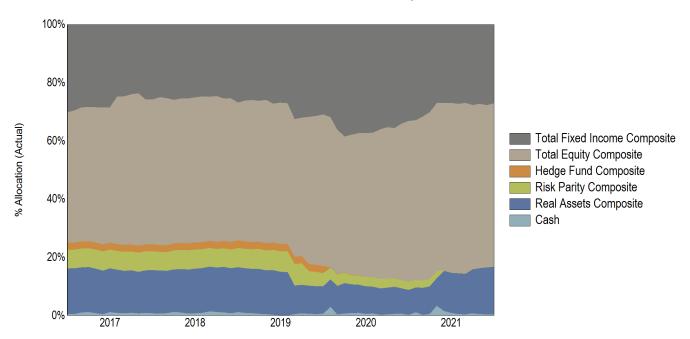
Market Value: \$740.8 Million and 100.0% of Fund

	Asset Class	Market Value (\$)	3 Mo Net Cash Flows (\$)	% of Portfolio	Policy %	Policy Difference (\$)
Private Equity Composite		64,325,752	-1,767,042	8.7	8.0	5,060,585
Neuberger Berman Crossroads IXX (2010)	Global Divers. Private Equity FoF	1,295,403	-50,000	0.2		
Fort Washington Private Equity Fund III	Secondary Private Equity FoF	1,793,176	-462,500	0.2		
Fort Washington Private Equity Fund IX	Global Divers. Private Equity FoF	6,931,901	-360,000	0.9		
Aberdeen Private Equity VII	LBO Private Equity FoF	6,543,763	-503,535	0.9		
57 Stars Global Opportunity Fund	Global Divers. Private Equity FoF	6,817,949	-193,939	0.9		
Top Tier Venture Velocity Fund I	Venture Private Equity FoF	3,328,767	-230,860	0.4		
Top Tier Venture Velocity Fund IV	Venture Private Equity FoF	251,612	251,612	0.0		
Neuberger Berman Crossroads XXI	Global Divers. Private Equity FoF	5,774,880	-145,000	0.8		
Partners Group II	Global Divers. Private Equity FoF	22,771,573	0	3.1		
Fort Washington Private Equity Fund X	Global Divers. Private Equity FoF	4,993,860	0	0.7		
Adams Street Composite		3,822,868	-72,820	0.5		3,822,868
Adams Street Direct 2009	Divers. Private Equity	269,319	-11,017	0.0		
Adams Street US	U.S. Divers. Private Equity	1,655,994	-176,948	0.2		
Adams Street Non-US Developed	Non-U.S. Divers. Private Equity FoF	774,485	-96,004	0.1		
Adams Street Non-US Emerging	Non-U.S. Divers. Private Equity FoF	433,554	-58,851	0.1		
Adams Street US SMB II	U.S. Divers. Private Equity	689,516	270,000	0.1		
Risk Parity Composite		874,034	0	0.1	0.0	874,034
PanAgora Diversified Risk	Risk Parity	874,034	0	0.1		
Real Assets Composite		121,523,044	5,002,344	16.4	20.0	-26,639,874
Core Real Estate Composite		75,034,629	1,045,610	10.1	10.0	953,170
Principal Global Investors	Core Real Estate	35,272,094	0	4.8		
RREEF America II	Core Real Estate	39,762,534	1,045,610	5.4		
Non-Core Real Estate		-			-	0
Energy/Natural Resources Composite		6,462,937	-689,597	0.9	0.0	6,462,937
Private Real Assets Composite		6,462,937	-689,597	0.9		6,462,937
Aether Real Assets I	Real Assets	2,735,423	-404,770	0.4		
Aether Real Assets II	Real Assets	3,727,514	-284,827	0.5		
Global Infrastructure Composite		40,025,478	4,646,331	5.4	5.0	2,984,749
DWS RREEF Global Infrastructure	Global Infrastructure	9,858,049	-15,353,669	1.3		
ULLICO Infrastructure	Core Infrastructure	10,167,429	0	1.4		
IFM Global Infrastructure	Core Infrastructure	20,000,000	20,000,000	2.7		

Asset Allocation

Market Value: \$740.8 Million and 100.0% of Fund

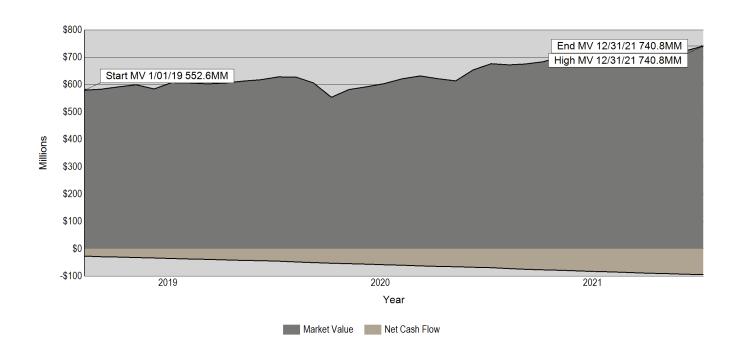
Asset Allocation History



	Current	Policy	Difference	%
Fixed Income	\$199,534,149	\$214,836,230	-\$15,302,081	-2.1%
U.S. Equity	\$197,946,440	\$177,795,501	\$20,150,939	2.7%
Non-U.S. Equity	\$153,007,663	\$140,754,772	\$12,252,891	1.7%
Hedge Funds		\$0	\$0	0.0%
Real Assets	\$121,523,044	\$148,162,917	-\$26,639,874	-3.6%
Private Equity	\$64,325,752	\$59,265,167	\$5,060,585	0.7%
Other	\$4,477,540	\$0	\$4,477,540	0.6%
Total	\$740,814,587	\$740,814,587		

Market Value History

Market Value: \$740.8 Million and 100.0% of Fund



Summary of Cash Flows

	Last Month	Year-To-Date	Fiscal Year-To-Date	One Year	Two Years
Beginning Market Value	\$723,159,713	\$676,320,886	\$719,775,809	\$676,320,886	\$628,299,326
Net Cash Flow	-\$1,442,681	-\$23,508,611	-\$10,470,243	-\$23,508,611	-\$45,467,017
Net Investment Change	\$19,097,555	\$88,002,313	\$31,509,021	\$88,002,313	\$157,982,278
Ending Market Value	\$740,814,587	\$740,814,587	\$740,814,587	\$740,814,587	\$740,814,587

Annualized Performance (Gross of Fees)

Market Value: \$740.8 Million and 100.0% of Fund

	1 Mo	3 Mo	YTD	Fiscal YTD	1 Yr	3 Yrs	5 Yrs	10 Yrs	Inception	Inception Date
Total Fund Composite	2.6%	3.7%	13.3%	4.4%	13.3%	14.1%	10.2%	9.5%	7.6%	Aug-00
Total Fund Policy Index	2.0%	3.6%	11.3%	4.0%	11.3%	13.4%	10.0%	9.2%	6.3%	Aug-00
Total Fund Allocation Index	2.7%	3.9%	11.7%	3.7%	11.7%	13.4%	9.5%	8.6%	6.6%	Aug-00
Total Fixed Income Composite	0.0%	0.7%	-1.0%	0.8%	-1.0%	8.7%	6.2%	4.9%	6.5%	Aug-00
Bloomberg US Aggregate TR	-0.3%	0.0%	-1.5%	0.1%	-1.5%	4.8%	3.6%	2.9%	4.7%	Aug-00
Traditional Fixed Income Composite	-0.3%	1.2%	-0.4%	1.6%	-0.4%	9.2%	6.4%		5.4%	Nov-14
Bloomberg US Aggregate TR	-0.3%	0.0%	-1.5%	0.1%	-1.5%	4.8%	3.6%	2.9%	3.0%	Nov-14
Core Fixed Income Composite	-0.3%	-0.1%	-1.0%	0.0%	-1.0%	5.8%	4.3%		4.0%	Sep-13
Bloomberg US Aggregate TR	-0.3%	0.0%	-1.5%	0.1%	-1.5%	4.8%	3.6%	2.9%	3.3%	Sep-13
Long Fixed Income Composite	-0.4%	2.5%	-1.4%	2.7%	-1.4%	12.7%	8.6%	7.5%	8.7%	Sep-91
Bloomberg US Govt/Credit Long TR	-0.8%	2.2%	-2.5%	2.2%	-2.5%	10.6%	7.4%	5.7%	7.7%	Sep-91
TIPS Composite	0.4%	1.5%	5.7%	3.3%	5.7%	7.0%	4.5%	2.6%	3.2%	Jul-10
Bloomberg US TIPS 1-10 Yr TR	0.5%	1.5%	5.7%	3.2%	5.7%	7.0%	4.5%	2.6%	3.2%	Jul-10
Emerging Debt Composite	1.4%	-2.0%	-4.0%	-3.7%	-4.0%	5.7%	5.4%		2.1%	Nov-13
Bloomberg Emerging Markets TR	1.0%	-0.5%	-1.7%	-1.1%	-1.7%	5.8%	4.6%	5.1%	4.8%	Nov-13
Total Equity Composite	3.4%	4.3%	20.5%	4.6%	20.5%	18.5%	14.1%	12.4%	10.0%	Oct-91
MSCI ACWI	4.0%	6.7%	18.5%	5.6%	18.5%	20.4%	14.4%	11.9%	8.1%	Oct-91
US Equity Composite	2.9%	6.7%	24.3%	7.5%	24.3%	24.8%	18.0%	15.8%	9.3%	Apr-00
Russell 3000	3.9%	9.3%	25.7%	9.2%	25.7%	25.8%	18.0%	16.3%	7.7%	Apr-00
Total Large Cap Composite	2.7%	7.1%	25.9%	8.9%	25.9%	25.9%	19.4%	16.8%	12.0%	Mar-08
Russell 1000	4.1%	9.8%	26.5%	10.0%	26.5%	26.2%	18.4%	16.5%	12.0%	Mar-08
Large Cap Equity Composite	2.6%	7.5%	27.9%	9.3%	27.9%	29.6%	21.6%	17.8%	12.7%	Mar-08
Russell 1000	4.1%	9.8%	26.5%	10.0%	26.5%	26.2%	18.4%	16.5%	12.0%	Mar-08
Small/Mid Cap Composite	4.2%	4.9%	18.3%	1.9%	18.3%	20.2%	12.2%	13.2%	9.2%	Sep-07
Russell 2500	3.3%	3.8%	18.2%	1.0%	18.2%	21.9%	13.8%	14.1%	9.8%	Sep-07
International Equity Composite	5.2%	2.4%	13.5%	0.3%	13.5%	10.6%	8.5%	8.3%	6.7%	Apr-00
International Equity Policy Index	4.1%	1.8%	7.8%	-1.2%	7.8%	13.2%	9.6%	7.3%	3.8%	Apr-00
Emerging Markets Composite	6.2%	0.8%	8.6%	-5.3%	8.6%	12.9%	10.3%	6.7%	6.8%	Jan-10
MSCI Emerging Markets	1.9%	-1.3%	-2.5%	-9.3%	-2.5%	10.9%	9.9%	5.5%	4.8%	Jan-10
Global Equity Composite	4.9%	9.9%	22.0%	10.4%	22.0%	-	-		6.8%	Oct-19
S&P Global Low Volatility Index	6.3%	6.4%	16.7%	8.0%	16.7%				6.2%	Oct-19
MSCI ACWI	4.0%	6.7%	18.5%	5.6%	18.5%	20.4%	14.4%	11.9%	19.1%	Oct-19

Annualized Performance (Gross of Fees)

Market Value: \$740.8 Million and 100.0% of Fund

	1 Mo	3 Mo	YTD	Fiscal YTD	1 Yr	3 Yrs	5 Yrs	10 Yrs	Inception	Inception Date
Private Equity Composite	0.7%	1.6%	27.3%	6.6%	27.3%	21.5%	17.2%	14.6%	-3.6%	May-09
Cambridge Associates All PE	0.0%	0.0%	23.3%	0.0%	23.3%	24.8%	21.2%	17.1%	17.1%	<i>May-09</i>
Risk Parity Composite	0.0%	0.0%	1.2%	0.0%	1.2%	12.2%	8.3%		6.9%	Jun-15
60% MSCI World/40% CITI WGBI	2.3%	4.2%	9.6%	3.7%	9.6%	14.2%	10.3%	8.1%	8.1%	Jun-15
Real Assets Composite	4.6%	7.0%	18.5%	10.9%	18.5%	7.4%	4.7%	7.6%	6.4%	Apr-04
Real Assets Policy Index	3.8%	7.7%	30.8%	12.6%	30.8%	8.8%	5.7%	7.0%	6.4%	Apr-04
Core Real Estate Composite	6.7%	10.6%	24.4%	16.9%	24.4%	10.8%	9.7%	11.4%	8.5%	Mar-04
NFI-ODCE	2.6%	8.0%	22.2%	15.1%	22.2%	9.2%	8.7%	10.4%	8.4%	Mar-04
Non-Core Real Estate										Apr-19
Energy/Natural Resources Composite	0.0%	0.0%	13.7%	-0.6%	13.7%	-3.3%	-5.0%		-5.6%	Jun-15
S&P MLP Index	2.9%	1.2%	42.0%	-3.1%	42.0%	3.5%	-1.5%	0.7%	-4.6%	Jun-15
Private Real Assets Composite	0.0%	0.0%	13.7%	-0.6%	13.7%	-5.1%	-5.9%	-1.9%	0.4%	Dec-10
Global Infrastructure Composite	1.8%	2.1%		3.2%					3.2%	May-21

Calendar Performance (Gross of Fees)

Market Value: \$740.8 Million and 100.0% of Fund

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	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
Total Fund Composite	13.3%	11.6%	17.3%	-5.6%	16.2%	8.6%	-1.1%	6.6%	17.1%	13.8%
Total Fund Policy Index	11.3%	12.5%	16.4%	-3.2%	14.2%	7.0%	1.3%	6.0%	14.9%	13.2%
Total Fund Allocation Index	11.7%	11.0%	17.7%	-6.1%	14.9%	9.0%	-3.6%	5.1%	16.1%	12.6%
Total Fixed Income Composite	-1.0%	13.8%	14.0%	-2.3%	7.6%	7.1%	-3.1%	6.7%	-1.7%	9.7%
Bloomberg US Aggregate TR	-1.5%	7.5%	8.7%	0.0%	3.5%	2.6%	0.5%	6.0%	-2.0%	4.2%
Traditional Fixed Income Composite	-0.4%	14.7%	13.9%	-1.9%	6.9%	7.3%	-1.4%			
Bloomberg US Aggregate TR	-1.5%	7.5%	8.7%	0.0%	3.5%	2.6%	0.5%	6.0%	-2.0%	4.2%
Core Fixed Income Composite	-1.0%	9.6%	9.2%	0.2%	3.9%	3.8%	0.4%	7.0%		
Bloomberg US Aggregate TR	-1.5%	7.5%	8.7%	0.0%	3.5%	2.6%	0.5%	6.0%	-2.0%	4.2%
Long Fixed Income Composite	-1.4%	21.3%	19.6%	-4.5%	10.4%	7.8%	-3.4%	20.9%	-5.7%	15.1%
Bloomberg US Govt/Credit Long TR	-2.5%	16.1%	19.6%	-4.7%	10.7%	6.7%	-3.3%	19.3%	-8.8%	8.8%
TIPS Composite	5.7%	8.5%	6.9%	-0.4%	1.9%	4.0%	-0.5%	0.9%	-5.2%	4.9%
Bloomberg US TIPS 1-10 Yr TR	5.7%	8.4%	6.9%	-0.3%	1.9%	4.0%	-0.5%	0.9%	-5.6%	5.0%
Emerging Debt Composite	-4.0%	6.8%	15.3%	-3.0%	13.3%	9.3%	-12.4%	-4.4%		
Bloomberg Emerging Markets TR	-1.7%	6.5%	13.1%	-2.5%	8.2%	9.9%	1.3%	4.8%	-4.1%	17.9%
Total Equity Composite	20.5%	12.2%	23.2%	-8.7%	27.0%	9.4%	0.4%	3.7%	25.0%	17.2%
MSCI ACWI	18.5%	16.3%	26.6%	-9.4%	24.0%	7.9%	-2.4%	4.2%	22.8%	16.1%
US Equity Composite	24.3%	20.1%	30.2%	-4.9%	23.8%	10.5%	2.9%	9.0%	32.0%	15.3%
Russell 3000	25.7%	20.9%	31.0%	-5.2%	21.1%	12.7%	0.5%	12.6%	33.6%	16.4%
Total Large Cap Composite	25.9%	21.8%	30.2%	-3.1%	25.5%	9.5%	4.4%	9.4%	33.7%	15.9%
Russell 1000	26.5%	21.0%	31.4%	-4.8%	21.7%	12.1%	0.9%	13.2%	33.1%	16.4%
Large Cap Equity Composite	27.9%	26.6%	34.5%	-3.4%	26.7%	9.5%	4.4%	9.4%	33.7%	15.9%
Russell 1000	26.5%	21.0%	31.4%	-4.8%	21.7%	12.1%	0.9%	13.2%	33.1%	16.4%
Small/Mid Cap Composite	18.3%	12.8%	30.4%	-12.9%	17.4%	14.6%	-1.7%	7.5%	35.7%	18.8%
Russell 2500	18.2%	20.0%	27.8%	-10.0%	16.8%	17.6%	-2.9%	7.1%	36.8%	17.9%
International Equity Composite	13.5%	1.8%	17.1%	-15.8%	31.9%	8.8%	-2.9%	-1.7%	18.7%	19.5%
International Equity Policy Index	7.8%	10.7%	21.5%	-14.2%	27.2%	4.5%	-5.7%	-3.9%	15.3%	16.8%
Emerging Markets Composite	8.6%	12.5%	17.8%	-18.3%	38.9%	13.9%	-17.5%	2.3%	-1.6%	23.4%
MSCI Emerging Markets	-2.5%	18.3%	18.4%	-14.6%	37.3%	11.2%	-14.9%	-2.2%	-2.6%	18.2%
Global Equity Composite	22.0%	-6.9%			-		-			
S&P Global Low Volatility Index	16.7%	-3.7%								
MSCI ACWI	18.5%	16.3%	26.6%	-9.4%	24.0%	7.9%	-2.4%	4.2%	22.8%	16.1%



Calendar Performance (Gross of Fees)

Market Value: \$740.8 Million and 100.0% of Fund

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	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
Private Equity Composite	27.3%	20.4%	16.9%	8.2%	14.0%	6.5%	15.2%	13.4%	16.3%	9.0%
Cambridge Associates All PE	23.3%	33.8%	17.8%	11.3%	20.7%	9.0%	9.8%	12.6%	21.9%	13.2%
Risk Parity Composite	1.2%	14.0%	22.6%	-7.5%	13.8%	13.2%				
60% MSCI World/40% CITI WGBI	9.6%	14.3%	18.8%	-5.4%	16.2%	5.3%	-1.7%	2.8%	13.5%	10.2%
Real Assets Composite	18.5%	-0.5%	5.0%	-2.1%	3.6%	10.5%	-2.2%	14.9%	20.7%	10.9%
Real Assets Policy Index	30.8%	-8.5%	7.6%	-0.9%	3.4%	16.0%	-7.5%	7.6%	19.2%	8.3%
Core Real Estate Composite	24.4%	1.9%	7.2%	8.4%	7.9%	8.4%	16.5%	13.5%	15.1%	12.7%
NFI-ODCE	22.2%	1.2%	5.3%	8.3%	7.6%	8.8%	15.0%	12.5%	13.9%	10.9%
Non-Core Real Estate										
Energy/Natural Resources Composite	13.7%	-15.5%	-5.7%	-13.5%	-1.1%	13.2%				
S&P MLP Index	42.0%	-28.8%	9.7%	-11.7%	-5.6%	21.9%	-35.1%	7.7%	29.7%	5.0%
Private Real Assets Composite	13.7%	-15.5%	-11.0%	-15.9%	2.9%	4.6%	-23.3%	12.2%	7.2%	15.3%
Global Infrastructure Composite										

Fiscal Year Performance (Gross of Fees)

Market Value: \$740.8 Million and 100.0% of Fund

Fiscal Year (July 1)

	Fiscal YTD	Fiscal 2021	Fiscal 2020	Fiscal 2019	Fiscal 2018	Fiscal 2017	Fiscal 2016	Fiscal 2015	Fiscal 2014	Fiscal 2013	Fiscal 2012
Total Fund Composite	4.4%	23.4%	3.0%	6.0%	7.0%	13.0%	0.4%	2.0%	18.5%	14.4%	0.7%
Total Fund Policy Index	4.0%	21.4%	4.6%	6.5%	7.2%	10.3%	2.3%	3.3%	15.8%	12.2%	0.2%
Total Fund Allocation Index	3.7%	22.9%	2.4%	5.5%	7.0%	11.4%	-0.6%	-0.4%	18.4%	12.8%	-0.2%
Total Fixed Income Composite	0.8%	2.7%	13.0%	10.6%	-0.2%	3.5%	6.3%	-1.4%	9.7%	0.1%	11.9%
Bloomberg US Aggregate TR	0.1%	-0.3%	8.7%	7.9%	-0.4%	-0.3%	6.0%	1.9%	4.4%	-0.7%	7.5%
Traditional Fixed Income Composite	1.6%	1.6%	14.9%	10.8%	-0.1%	3.2%	7.3%				
Bloomberg US Aggregate TR	0.1%	-0.3%	8.7%	7.9%	-0.4%	-0.3%	6.0%	1.9%	4.4%	-0.7%	7.5%
Core Fixed Income Composite	0.0%	1.2%	10.0%	8.1%	0.0%	0.6%	6.0%	2.4%			
Bloomberg US Aggregate TR	0.1%	-0.3%	8.7%	7.9%	-0.4%	-0.3%	6.0%	1.9%	4.4%	-0.7%	7.5%
Long Fixed Income Composite	2.7%	0.7%	21.5%	14.2%	-0.9%	-0.2%	15.8%	2.4%	16.0%	-1.9%	20.8%
Bloomberg US Govt/Credit Long TR	2.2%	-1.9%	18.9%	13.8%	-0.8%	-1.1%	15.7%	1.9%	10.8%	-4.7%	24.6%
TIPS Composite	3.3%	6.7%	5.7%	4.6%	1.4%	-0.3%	3.4%	-1.9%	3.7%	-2.9%	6.3%
Bloomberg US TIPS 1-10 Yr TR	3.2%	6.6%	5.7%	4.7%	1.5%	-0.3%	3.3%	-1.9%	3.6%	-3.1%	6.3%
Emerging Debt Composite	-3.7%	11.4%	-0.2%	11.5%	-0.1%	4.9%	4.5%	-14.0%			
Bloomberg Emerging Markets TR	-1.1%	6.3%	3.0%	11.0%	-1.0%	5.6%	7.8%	0.2%	10.2%	3.1%	9.0%
Total Equity Composite	4.6%	41.5%	-1.2%	4.0%	12.1%	24.1%	-4.9%	4.1%	22.2%	18.9%	-5.5%
MSCI ACWI	5.6%	39.3%	2.1%	5.7%	10.7%	18.8%	-3.7%	0.7%	22.9%	16.6%	-6.5%
US Equity Composite	7.5%	45.2%	5.0%	8.4%	15.6%	23.9%	-1.4%	8.9%	23.1%	18.8%	0.4%
Russell 3000	9.2%	44.2%	6.5%	9.0%	14.8%	18.5%	2.1%	7.3%	25.2%	21.5%	3.8%
Total Large Cap Composite	8.9%	43.5%	7.7%	9.9%	16.5%	23.4%	0.6%	9.4%	22.4%	20.1%	2.9%
Russell 1000	10.0%	43.1%	7.5%	10.0%	14.5%	18.0%	2.9%	7.4%	25.4%	21.2%	4.4%
Large Cap Equity Composite	9.3%	48.5%	10.3%	11.3%	18.6%	23.4%	0.6%	9.4%	22.4%	20.1%	2.9%
Russell 1000	10.0%	43.1%	7.5%	10.0%	14.5%	18.0%	2.9%	7.4%	25.4%	21.2%	4.4%
Small/Mid Cap Composite	1.9%	54.8%	-7.4%	1.7%	11.1%	25.7%	-7.0%	6.9%	25.9%	23.3%	-3.3%
Russell 2500	1.0%	57.8%	-4.7%	1.8%	16.2%	19.8%	-3.7%	5.9%	25.6%	25.6%	-2.3%
International Equity Composite	0.3%	35.4%	-9.5%	-2.3%	7.5%	26.3%	-8.7%	-0.8%	21.5%	19.5%	-11.5%
International Equity Policy Index	-1.2%	35.7%	-4.8%	1.3%	7.3%	20.5%	-10.2%	-5.3%	21.8%	13.6%	-14.6%
Emerging Markets Composite	-5.3%	45.8%	-5.1%	-1.4%	4.8%	28.8%	-12.8%	-5.0%	14.6%	8.1%	-12.7%
MSCI Emerging Markets	-9.3%	40.9%	-3.4%	1.2%	8.2%	23.7%	-12.1%	-5.1%	14.3%	2.9%	-15.9%
Global Equity Composite	10.4%	22.8%				-		-	-	-	-
S&P Global Low Volatility Index	8.0%	21.0%									
MSCI ACWI	5.6%	39.3%	2.1%	5.7%	10.7%	18.8%	-3.7%	0.7%	22.9%	16.6%	-6.5%



Fiscal Year Performance (Gross of Fees)

Market Value: \$740.8 Million and 100.0% of Fund

Fiscal Year (July 1)

	Fiscal YTD	Fiscal 2021	Fiscal 2020	Fiscal 2019	Fiscal 2018	Fiscal 2017	Fiscal 2016	Fiscal 2015	Fiscal 2014	Fiscal 2013	Fiscal 2012
Private Equity Composite	6.6%	44.3%	7.5%	11.1%	15.8%	10.8%	5.4%	13.4%	17.7%	9.0%	3.2%
Cambridge Associates All PE	0.0%	61.2%	9.6%	13.4%	18.9%	16.4%	4.5%	12.4%	24.3%	13.8%	2.4%
Risk Parity Composite	0.0%	16.5%	3.1%	10.6%	5.8%	2.5%	11.9%			-	
60% MSCI World/40% CITI WGBI	3.7%	22.6%	4.1%	6.4%	7.4%	8.8%	2.9%	-2.8%	17.0%	8.9%	-1.5%
Real Assets Composite	10.9%	8.9%	-4.6%	2.7%	3.9%	8.1%	2.0%	1.6%	21.4%	19.7%	12.5%
Real Assets Policy Index	12.6%	23.1%	-14.4%	3.3%	8.0%	5.3%	0.6%	-1.7%	19.0%	17.0%	7.9%
Core Real Estate Composite	16.9%	8.2%	3.7%	7.6%	8.6%	8.6%	12.2%	15.6%	13.3%	13.8%	12.3%
NFI-ODCE	15.1%	8.0%	2.2%	6.4%	8.4%	7.9%	11.8%	14.4%	12.7%	12.2%	12.4%
Non-Core Real Estate	-			-	-	-	-		-	-	
Energy/Natural Resources Composite	-0.6%	18.5%	-31.9%	-3.0%	-1.2%	7.3%	-12.5%	-	-	-	-
S&P MLP Index	-3.1%	62.2%	-40.2%	3.2%	-1.8%	3.2%	-18.9%	-16.5%	24.9%	29.5%	7.7%
Private Real Assets Composite	-0.6%	18.5%	-25.7%	-16.8%	-1.5%	9.8%	-9.5%	-9.0%	3.4%	8.4%	30.4%
Global Infrastructure Composite	3.2%			-	-	-	-	-	-	-	-

Annualized Performance (Gross of Fees)

Market Value: \$740.8 Million and 100.0% of Fund

	1 Mo	3 Мо	YTD	Fiscal YTD	1 Yr	3 Yrs	5 Yrs	10 Yrs	Inception	Inception Date
Total Fund Composite	2.6%	3.7%	13.3%	4.4%	13.3%	14.1%	10.2%	9.5%	7.6%	Aug-00
Total Fund Policy Index	2.0%	3.6%	11.3%	4.0%	11.3%	13.4%	10.0%	9.2%	6.3%	Aug-00
Total Fund Allocation Index	2.7%	3.9%	11.7%	3.7%	11.7%	13.4%	9.5%	8.6%	6.6%	Aug-00
Total Fixed Income Composite	0.0%	0.7%	-1.0%	0.8%	-1.0%	8.7%	6.2%	4.9%	6.5%	Aug-00
Bloomberg US Aggregate TR	-0.3%	0.0%	-1.5%	0.1%	-1.5%	4.8%	3.6%	2.9%	4.7%	Aug-00
Traditional Fixed Income Composite	-0.3%	1.2%	-0.4%	1.6%	-0.4%	9.2%	6.4%	-	5.4%	Nov-14
Bloomberg US Aggregate TR	-0.3%	0.0%	-1.5%	0.1%	-1.5%	4.8%	3.6%	2.9%	3.0%	Nov-14
Core Fixed Income Composite	-0.3%	-0.1%	-1.0%	0.0%	-1.0%	5.8%	4.3%	-	4.0%	Sep-13
Bloomberg US Aggregate TR	-0.3%	0.0%	-1.5%	0.1%	-1.5%	4.8%	3.6%	2.9%	3.3%	Sep-13
IR+M Core Fixed	-0.3%	-0.1%	-1.0%	0.0%	-1.0%	5.8%	4.3%	3.8%	4.0%	Jul-11
Bloomberg US Aggregate TR	-0.3%	0.0%	-1.5%	0.1%	-1.5%	4.8%	3.6%	2.9%	3.2%	Jul-11
Long Fixed Income Composite	-0.4%	2.5%	-1.4%	2.7%	-1.4%	12.7%	8.6%	7.5%	8.7%	Sep-91
Bloomberg US Govt/Credit Long TR	-0.8%	2.2%	-2.5%	2.2%	-2.5%	10.6%	7.4%	5.7%	7.7%	Sep-91
Schroders (STW) Fixed Income	-0.4%	2.5%	-1.4%	2.7%	-1.4%	12.7%	8.6%	7.5%	8.7%	Sep-91
Bloomberg US Govt/Credit Long TR	-0.8%	2.2%	-2.5%	2.2%	-2.5%	10.6%	7.4%	5.7%	7.7%	Sep-91
TIPS Composite	0.4%	1.5%	5.7%	3.3%	5.7%	7.0%	4.5%	2.6%	3.2%	Jul-10
Bloomberg US TIPS 1-10 Yr TR	0.5%	1.5%	5.7%	3.2%	5.7%	7.0%	4.5%	2.6%	3.2%	Jul-10
IR+M TIPS	0.4%	1.5%	5.7%	3.3%	5.7%	7.0%	4.5%	2.6%	3.2%	Jul-10
Bloomberg US TIPS 1-10 Yr TR	0.5%	1.5%	5.7%	3.2%	5.7%	7.0%	4.5%	2.6%	3.2%	Jul-10
Emerging Debt Composite	1.4%	-2.0%	-4.0%	-3.7%	-4.0%	5.7%	5.4%		2.1%	Nov-13
Bloomberg Emerging Markets TR	1.0%	-0.5%	-1.7%	-1.1%	-1.7%	5.8%	4.6%	5.1%	4.8%	Nov-13
Ninety One EMD Blend	1.4%	-2.0%	-4.0%	-3.7%	-4.0%	5.7%			5.8%	Nov-18
Bloomberg Emerging Markets TR	1.0%	-0.5%	-1.7%	-1.1%	-1.7%	5.8%	4.6%	5.1%	6.1%	Nov-18



Annualized Performance (Gross of Fees)

Market Value: \$740.8 Million and 100.0% of Fund

	1 Mo	3 Mo	YTD	Fiscal YTD	1 Yr	3 Yrs	5 Yrs	10 Yrs	Inception	Inception Date
Total Equity Composite	3.4%	4.3%	20.5%	4.6%	20.5%	18.5%	14.1%	12.4%	10.0%	Oct-91
MSCI ACWI	4.0%	6.7%	18.5%	5.6%	18.5%	20.4%	14.4%	11.9%	8.1%	Oct-91
US Equity Composite	2.9%	6.7%	24.3%	7.5%	24.3%	24.8%	18.0%	15.8%	9.3%	Apr-00
Russell 3000	3.9%	9.3%	25.7%	9.2%	25.7%	25.8%	18.0%	16.3%	7.7%	Apr-00
Total Large Cap Composite	2.7%	7.1%	25.9%	8.9%	25.9%	25.9%	19.4%	16.8%	12.0%	Mar-08
Russell 1000	4.1%	9.8%	26.5%	10.0%	26.5%	26.2%	18.4%	16.5%	12.0%	Mar-08
Parametria Defensiva Equity	3.0%	6.0%	18.1%	7.1%	18.1%	13.1%			10.9%	Aug 17
Parametric Defensive Equity S&P 500	4.5%	11.0%	28.7%	11.7%	28.7%	26.1%	 18.5%	16.6%	18.5%	Aug-17 Aug-17
CBOE Put Write Index	3.7%	7.0%	21.8%	9.0%	21.8%	12.4%	8.2%	8.2%	7.7%	Aug-17 Aug-17
										-
Large Cap Equity Composite	2.6%	7.5%	27.9%	9.3%	27.9%	29.6%	21.6%	17.8%	12.7%	Mar-08
Russell 1000	4.1%	9.8%	26.5%	10.0%	26.5%	26.2%	18.4%	16.5%	12.0%	Mar-08
Eagle Capital Management	3.0%	3.4%	27.9%	5.8%	27.9%	24.9%	18.1%	17.1%	16.4%	Sep-10
Russell 1000 Value	6.3%	7.8%	25.2%	6.9%	25.2%	17.6%	11.2%	13.0%	12.5%	Sep-10
NT Russell 1000 Growth Index Fund	2.1%	11.6%	27.6%	12.9%	27.6%	34.0%	25.2%	-	19.9%	May-15
Russell 1000 Growth	2.1%	11.6%	27.6%	12.9%	27.6%	34.1%	25.3%	19.8%	19.9%	May-15
Small/Mid Cap Composite	4.2%	4.9%	18.3%	1.9%	18.3%	20.2%	12.2%	13.2%	9.2%	Sep-07
Russell 2500	3.3%	3.8%	18.2%	1.0%	18.2%	21.9%	13.8%	14.1%	9.8%	Sep-07
Pinnacle Associates Small Mid Cap	2.5%	3.3%	13.2%	-0.9%	13.2%	28.5%	19.1%	16.9%	11.9%	Sep-07
Russell 2500 Growth	0.5%	0.2%	5.0%	-3.3%	5.0%	25.1%	17.7%	15.7%	11.0%	Sep-07 Sep-07
								70.770		
William Blair Small Cap Value	6.0%	6.8%	24.3%	5.2%	24.3%	13.2%	6.2%		8.9%	May-13
Russell 2000 Value	4.1%	4.4%	28.3%	1.2%	28.3%	18.0%	9.1%	12.0%	10.2%	May-13
International Equity Composite	5.2%	2.4%	13.5%	0.3%	13.5%	10.6%	8.5%	8.3%	6.7%	Apr-00
International Equity Policy Index	4.1%	1.8%	7.8%	-1.2%	7.8%	13.2%	9.6%	7.3%	3.8%	Apr-00
Silchester International Value	4.9%	0.1%	12.5%	-0.8%	12.5%	10.0%	8.0%	9.4%	10.5%	Nov-01
MSCI EAFE Value	6.0%	1.2%	10.9%	0.2%	10.9%	7.8%	5.3%	5.8%	5.4%	Nov-01
Emerging Markets Composite	6.2%	0.8%	8.6%	-5.3%	8.6%	12.9%	10.3%	6.7%	6.8%	Jan-10
MSCI Emerging Markets	1.9%	-1.3%	-2.5%	-9.3%	-2.5%	10.9%	9.9%	5.5%	4.8%	Jan-10
Acadian Emerging Markets	6.2%	0.8%	8.6%	-5.3%	8.6%	12.9%	10.3%	6.6%	6.7%	Jan-10
MSCI Emerging Markets	1.9%	-1.3%	-2.5%	-9.3%	-2.5%	10.9%	9.9%	5.5%	4.8%	Jan-10
Global Equity Composite	4.9%	9.9%	22.0%	10.4%	22.0%	-		-	6.8%	Oct-19
S&P Global Low Volatility Index	6.3%	6.4%	16.7%	8.0%	16.7%				6.2%	Oct-19
MSCI ACWI	4.0%	6.7%	18.5%	5.6%	18.5%	20.4%	14.4%	11.9%	19.1%	Oct-19
NT Quality Low Volatility	4.9%	9.9%	22.0%	10.4%	22.0%				22.0%	Dec-20
S&P Global Low Volatility Index	6.3%	6.4%	16.7%	8.0%	16.7%				16.7%	Dec-20

Annualized Performance (Gross of Fees)

Market Value: \$740.8 Million and 100.0% of Fund

	1 Mo	3 Mo	YTD	Fiscal YTD	1 Yr	3 Yrs	5 Yrs	10 Yrs	Inception	Inception Date
Private Equity Composite	0.7%	1.6%	27.3%	6.6%	27.3%	21.5%	17.2%	14.6%	-3.6%	May-09
Cambridge Associates All PE	0.0%	0.0%	23.3%	0.0%	23.3%	24.8%	21.2%	17.1%	17.1%	<i>May-09</i>
Partners Group II	2.0%	4.6%	21.3%	7.5%	21.3%				21.1%	Sep-20
MSCI ACWI	4.0%	6.7%	18.5%	5.6%	18.5%	20.4%	14.4%	11.9%	27.8%	Sep-20
Cambridge Associates All PE	0.0%	0.0%	23.3%	0.0%	23.3%	24.8%	21.2%	17.1%	34.3%	Sep-20
Risk Parity Composite	0.0%	0.0%	1.2%	0.0%	1.2%	12.2%	8.3%	-	6.9%	Jun-15
60% MSCI World/40% CITI WGBI	2.3%	4.2%	9.6%	3.7%	9.6%	14.2%	10.3%	8.1%	8.1%	Jun-15
PanAgora Diversified Risk	0.0%	0.0%	1.2%	0.0%	1.2%	12.2%	8.4%		7.1%	Nov-14
60% MSCI World/40% CITI WGBI	2.3%	4.2%	9.6%	3.7%	9.6%	14.2%	10.3%	8.1%	7.5%	Nov-14
Real Assets Composite	4.6%	7.0%	18.5%	10.9%	18.5%	7.4%	4.7%	7.6%	6.4%	Apr-04
Real Assets Policy Index	3.8%	7.7%	30.8%	12.6%	30.8%	8.8%	5.7%	7.0%	6.4%	Apr-04
Core Real Estate Composite	6.7%	10.6%	24.4%	16.9%	24.4%	10.8%	9.7%	11.4%	8.5%	Mar-04
NFI-ODCE	2.6%	8.0%	22.2%	15.1%	22.2%	9.2%	8.7%	10.4%	8.4%	Mar-04
Principal Global Investors	2.3%	10.3%	23.8%	16.0%	23.8%	10.4%	9.9%	11.5%	8.4%	Mar-05
NFI-ODCE	2.6%	8.0%	22.2%	15.1%	22.2%	9.2%	8.7%	10.4%	8.0%	Mar-05
RREEF America II	10.9%	10.9%	25.0%	17.7%	25.0%	11.0%	9.8%	11.5%	8.5%	Mar-04
NFI-ODCE	2.6%	8.0%	22.2%	15.1%	22.2%	9.2%	8.7%	10.4%	8.4%	Mar-04
Non-Core Real Estate	-							-		Apr-19
Energy/Natural Resources Composite	0.0%	0.0%	13.7%	-0.6%	13.7%	-3.3%	-5.0%		-5.6%	Jun-15
S&P MLP Index	2.9%	1.2%	42.0%	-3.1%	42.0%	3.5%	-1.5%	0.7%	-4.6%	Jun-15
Private Real Assets Composite	0.0%	0.0%	13.7%	-0.6%	13.7%	-5.1%	-5.9%	-1.9%	0.4%	Dec-10
Global Infrastructure Composite	1.8%	2.1%		3.2%	-				3.2%	May-21
DWS RREEF Global Infrastructure	7.5%	8.2%		7.6%					7.5%	May-21
Dow Jones Brookfield Global Infrastructure Index	7.6%	7.5%	19.9%	6.5%	19.9%	12.8%	8.9%	8.7%	7.0%	May-21
ULLICO Infrastructure	0.0%	0.0%							2.1%	Jul-21
CPI +4%	0.6%	2.6%	11.3%	4.6%	11.3%	7.7%	7.0%	6.2%	3.8%	Jul-21
IFM Global Infrastructure	0.0%								0.0%	Nov-21
CPI +4%	0.6%	2.6%	11.3%	4.6%	11.3%	7.7%	7.0%	6.2%	0.6%	Nov-21



Calendar Performance (Gross of Fees)

Market Value: \$740.8 Million and 100.0% of Fund

	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
Total Fund Composite	13.3%	11.6%	17.3%	-5.6%	16.2%	8.6%	-1.1%	6.6%	17.1%	13.8%
Total Fund Policy Index	11.3%	12.5%	16.4%	-3.2%	14.2%	7.0%	1.3%	6.0%	14.9%	13.2%
Total Fund Allocation Index	11.7%	11.0%	17.7%	-6.1%	14.9%	9.0%	-3.6%	5.1%	16.1%	12.6%
Total Fixed Income Composite	-1.0%	13.8%	14.0%	-2.3%	7.6%	7.1%	-3.1%	6.7%	-1.7%	9.7%
Bloomberg US Aggregate TR	-1.5%	7.5%	8.7%	0.0%	3.5%	2.6%	0.5%	6.0%	-2.0%	4.2%
Traditional Fixed Income Composite	-0.4%	14.7%	13.9%	-1.9%	6.9%	7.3%	-1.4%			
Bloomberg US Aggregate TR	-1.5%	7.5%	8.7%	0.0%	3.5%	2.6%	0.5%	6.0%	-2.0%	4.2%
Core Fixed Income Composite	-1.0%	9.6%	9.2%	0.2%	3.9%	3.8%	0.4%	7.0%		
Bloomberg US Aggregate TR	-1.5%	7.5%	8.7%	0.0%	3.5%	2.6%	0.5%	6.0%	-2.0%	4.2%
IR+M Core Fixed	-1.0%	9.6%	9.2%	0.1%	4.0%	3.8%	0.3%	7.1%	-1.5%	7.4%
Bloomberg US Aggregate TR	-1.5%	7.5%	8.7%	0.0%	3.5%	2.6%	0.5%	6.0%	-2.0%	4.2%
	4 404	04.00/	40.00/	4.50/	40.40/	7 00/	2.40/	00.00/	E 70/	45 40/
Long Fixed Income Composite	-1.4%	21.3%	19.6%	-4.5%	10.4%	7.8%	-3.4%	20.9%	-5.7%	15.1%
Bloomberg US Govt/Credit Long TR	-1.4% -2.5%	16.1%	19.6%	-4.5% -4.7%	10.4%	6.7%	-3.4% -3.3%	19.3%	-5.7% -8.8%	8.8%
Bloomberg US Govt/Credit Long TR	-2.5%	16.1%	19.6%	-4.7%	10.7%	6.7%	-3.3%	19.3%	-8.8%	8.8%
Bloomberg US Govt/Credit Long TR Schroders (STW) Fixed Income	-2.5% -1.4%	16.1% 21.3%	19.6% 19.6%	-4.7% -4.5%	10.7% 10.6%	6.7% 7.8%	-3.3% -3.4%	19.3% 20.9%	-8.8% -5.7%	8.8% 15.1%
Bloomberg US Govt/Credit Long TR Schroders (STW) Fixed Income Bloomberg US Govt/Credit Long TR	-2.5% -1.4% -2.5%	16.1% 21.3% 16.1%	19.6% 19.6% 19.6%	-4.7% -4.5% -4.7%	10.7% 10.6% 10.7%	6.7% 7.8% 6.7%	-3.3% -3.4% -3.3%	19.3% 20.9% 19.3%	-8.8% -5.7% -8.8%	8.8% 15.1% 8.8%
Bloomberg US Govt/Credit Long TR Schroders (STW) Fixed Income Bloomberg US Govt/Credit Long TR TIPS Composite	-2.5% -1.4% -2.5% 5.7%	16.1% 21.3% 16.1% 8.5%	19.6% 19.6% 19.6% 6.9%	-4.7% -4.5% -4.7% -0.4%	10.7% 10.6% 10.7% 1.9%	6.7% 7.8% 6.7% 4.0%	-3.3% -3.4% -3.3% -0.5%	19.3% 20.9% 19.3% 0.9%	-8.8% -5.7% -8.8% - 5.2%	8.8% 15.1% 8.8% 4.9%
Bloomberg US Govt/Credit Long TR Schroders (STW) Fixed Income Bloomberg US Govt/Credit Long TR TIPS Composite Bloomberg US TIPS 1-10 Yr TR	-2.5% -1.4% -2.5% 5.7% 5.7%	16.1% 21.3% 16.1% 8.5% 8.4%	19.6% 19.6% 19.6% 6.9% 6.9%	-4.7% -4.5% -4.7% -0.4% -0.3%	10.7% 10.6% 10.7% 1.9%	6.7% 7.8% 6.7% 4.0% 4.0%	-3.3% -3.4% -3.3% -0.5%	19.3% 20.9% 19.3% 0.9% 0.9%	-8.8% -5.7% -8.8% -5.2% -5.6%	8.8% 15.1% 8.8% 4.9% 5.0%
Bloomberg US Govt/Credit Long TR Schroders (STW) Fixed Income Bloomberg US Govt/Credit Long TR TIPS Composite Bloomberg US TIPS 1-10 Yr TR IR+M TIPS	-2.5% -1.4% -2.5% 5.7% 5.7%	16.1% 21.3% 16.1% 8.5% 8.4% 8.5%	19.6% 19.6% 19.6% 6.9% 6.9%	-4.7% -4.5% -4.7% -0.4% -0.3%	10.7% 10.6% 10.7% 1.9% 1.9%	6.7% 7.8% 6.7% 4.0% 4.0%	-3.3% -3.4% -3.3% -0.5% -0.5%	19.3% 20.9% 19.3% 0.9% 0.9% 0.9%	-8.8% -5.7% -8.8% -5.2% -5.6%	8.8% 15.1% 8.8% 4.9% 5.0%
Bloomberg US Govt/Credit Long TR Schroders (STW) Fixed Income Bloomberg US Govt/Credit Long TR TIPS Composite Bloomberg US TIPS 1-10 Yr TR IR+M TIPS Bloomberg US TIPS 1-10 Yr TR	-2.5% -1.4% -2.5% 5.7% 5.7% 5.7%	16.1% 21.3% 16.1% 8.5% 8.4% 8.5% 8.4%	19.6% 19.6% 19.6% 6.9% 6.9% 6.9%	-4.7% -4.5% -4.7% -0.4% -0.3% -0.3%	10.7% 10.6% 10.7% 1.9% 1.9% 1.9%	6.7% 7.8% 6.7% 4.0% 4.0% 4.0%	-3.3% -3.4% -3.3% -0.5% -0.5% -0.5%	19.3% 20.9% 19.3% 0.9% 0.9% 0.9%	-8.8% -5.7% -8.8% -5.2% -5.6% -5.6%	8.8% 15.1% 8.8% 4.9% 5.0% 5.0%
Bloomberg US Govt/Credit Long TR Schroders (STW) Fixed Income Bloomberg US Govt/Credit Long TR TIPS Composite Bloomberg US TIPS 1-10 Yr TR IR+M TIPS Bloomberg US TIPS 1-10 Yr TR Emerging Debt Composite	-2.5% -1.4% -2.5% 5.7% 5.7% 5.7% -4.0%	16.1% 21.3% 16.1% 8.5% 8.4% 8.5% 8.4% 6.8%	19.6% 19.6% 19.6% 6.9% 6.9% 6.9%	-4.7% -4.5% -4.7% -0.4% -0.3% -0.3% -0.3% -3.0%	10.7% 10.6% 10.7% 1.9% 1.9% 1.9% 1.9% 1.9%	6.7% 7.8% 6.7% 4.0% 4.0% 4.0% 9.3%	-3.3% -3.4% -3.3% -0.5% -0.5% -0.5% -12.4%	19.3% 20.9% 19.3% 0.9% 0.9% 0.9% -4.4%	-8.8% -5.7% -8.8% -5.2% -5.6% -5.6%	8.8% 15.1% 8.8% 4.9% 5.0% 5.0%

Calendar Performance (Gross of Fees)

Market Value: \$740.8 Million and 100.0% of Fund

					-					
	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
Total Equity Composite	20.5%	12.2%	23.2%	-8.7%	27.0%	9.4%	0.4%	3.7%	25.0%	17.2%
MSCI ACWI	18.5%	16.3%	26.6%	-9.4%	24.0%	7.9%	-2.4%	4.2%	22.8%	16.1%
US Equity Composite	24.3%	20.1%	30.2%	-4.9%	23.8%	10.5%	2.9%	9.0%	32.0%	15.3%
Russell 3000	25.7%	20.9%	31.0%	-5.2%	21.1%	12.7%	0.5%	12.6%	33.6%	16.4%
Total Large Cap Composite	25.9%	21.8%	30.2%	-3.1%	25.5%	9.5%	4.4%	9.4%	33.7%	15.9%
Russell 1000	26.5%	21.0%	31.4%	-4.8%	21.7%	12.1%	0.9%	13.2%	33.1%	16.4%
Parametric Defensive Equity	18.1%	5.0%	16.6%	3.8%		-				
S&P 500	28.7%	18.4%	31.5%	-4.4%	21.8%	12.0%	1.4%	13.7%	32.4%	16.0%
CBOE Put Write Index	21.8%	2.1%	14.1%	-5.9%	10.8%	7.8%	6.4%	6.4%	12.3%	8.1%
Large Cap Equity Composite	27.9%	26.6%	34.5%	-3.4%	26.7%	9.5%	4.4%	9.4%	33.7%	15.9%
Russell 1000	26.5%	21.0%	31.4%	-4.8%	21.7%	12.1%	0.9%	13.2%	33.1%	16.4%
Eagle Capital Management	27.9%	14.8%	32.6%	-4.8%	24.0%	11.4%	2.9%	13.5%	37.0%	18.1%
Russell 1000 Value	25.2%	2.8%	26.5%	-8.3%	13.7%	17.3%	-3.8%	13.5%	32.5%	17.5%
NT Russell 1000 Growth Index Fund	27.6%	38.3%	36.3%	-1.5%	30.1%	7.2%				-
Russell 1000 Growth	27.6%	38.5%	36.4%	-1.5%	30.2%	7.1%	5.7%	13.0%	33.5%	15.3%
Small/Mid Cap Composite	18.3%	12.8%	30.4%	-12.9%	17.4%	14.6%	-1.7%	7.5%	35.7%	18.8%
Russell 2500	18.2%	20.0%	27.8%	-10.0%	16.8%	17.6%	-2.9%	7.1%	36.8%	17.9%
Pinnacle Associates Small Mid Cap	13.2%	32.6%	41.3%	-10.6%	26.4%	5.0%	0.4%	8.6%	38.7%	25.3%
Russell 2500 Growth	5.0%	40.5%	32.7%	-7.5%	24.5%	9.7%	-0.2%	7.1%	40.6%	16.1%
William Blair Small Cap Value	24.3%	-4.5%	22.1%	-14.6%	9.2%	27.0%	-4.3%	6.2%		-
Russell 2000 Value	28.3%	4.6%	22.4%	-12.9%	7.8%	31.7%	-7.5%	4.2%	34.5%	18.0%
International Equity Composite	13.5%	1.8%	17.1%	-15.8%	31.9%	8.8%	-2.9%	-1.7%	18.7%	19.5%
International Equity Policy Index	7.8%	10.7%	21.5%	-14.2%	27.2%	4.5%	-5.7%	-3.9%	15.3%	16.8%
Silchester International Value	12.5%	0.2%	18.0%	-13.7%	28.1%	8.3%	2.3%	-0.9%	30.1%	17.3%
MSCI EAFE Value	10.9%	-2.6%	16.1%	-14.8%	21.4%	5.0%	-5.7%	-5.4%	23.0%	17.7%
Emerging Markets Composite	8.6%	12.5%	17.8%	-18.3%	38.9%	13.9%	-17.5%	2.3%	-1.6%	23.4%
MSCI Emerging Markets	-2.5%	18.3%	18.4%	-14.6%	37.3%	11.2%	-14.9%	-2.2%	-2.6%	18.2%
Acadian Emerging Markets	8.6%	12.5%	17.8%	-18.4%	38.7%	13.9%	-17.5%	2.3%	-1.6%	23.4%
MSCI Emerging Markets	-2.5%	18.3%	18.4%	-14.6%	37.3%	11.2%	-14.9%	-2.2%	-2.6%	18.2%
Global Equity Composite	22.0%	-6.9%								
S&P Global Low Volatility Index	16.7%	-3.7%								
MSCI ACWI	18.5%	16.3%	26.6%	-9.4%	24.0%	7.9%	-2.4%	4.2%	22.8%	16.1%
NT Quality Low Volatility	22.0%									
S&P Global Low Volatility Index	16.7%	-3.7%								



Calendar Performance (Gross of Fees)

Market Value: \$740.8 Million and 100.0% of Fund

	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
Private Equity Composite	27.3%	20.4%	16.9%	8.2%	14.0%	6.5%	15.2%	13.4%	16.3%	9.0%
Cambridge Associates All PE	23.3%	33.8%	17.8%	11.3%	20.7%	9.0%	9.8%	12.6%	21.9%	13.2%
Partners Group II	21.3%		-	-	-	-	-	-		
MSCI ACWI	18.5%	16.3%	26.6%	-9.4%	24.0%	7.9%	-2.4%	4.2%	22.8%	16.1%
Cambridge Associates All PE	23.3%	33.8%	17.8%	11.3%	20.7%	9.0%	9.8%	12.6%	21.9%	13.2%
Risk Parity Composite	1.2%	14.0%	22.6%	-7.5%	13.8%	13.2%	-	-		
60% MSCI World/40% CITI WGBI	9.6%	14.3%	18.8%	-5.4%	16.2%	5.3%	-1.7%	2.8%	13.5%	10.2%
PanAgora Diversified Risk	1.2%	14.0%	22.6%	-7.3%	14.2%	13.7%	-3.4%			
60% MSCI World/40% CITI WGBI	9.6%	14.3%	18.8%	-5.4%	16.2%	5.3%	-1.7%	2.8%	13.5%	10.2%
Real Assets Composite	18.5%	-0.5%	5.0%	-2.1%	3.6%	10.5%	-2.2%	14.9%	20.7%	10.9%
Real Assets Policy Index	30.8%	-8.5%	7.6%	-0.9%	3.4%	16.0%	-7.5%	7.6%	19.2%	8.3%
Core Real Estate Composite	24.4%	1.9%	7.2%	8.4%	7.9%	8.4%	16.5%	13.5%	15.1%	12.7%
NFI-ODCE	22.2%	1.2%	5.3%	8.3%	7.6%	8.8%	15.0%	12.5%	13.9%	10.9%
Principal Global Investors	23.8%	1.6%	7.1%	9.2%	9.1%	10.0%	14.7%	13.9%	14.6%	12.8%
NFI-ODCE	22.2%	1.2%	5.3%	8.3%	7.6%	8.8%	15.0%	12.5%	13.9%	10.9%
RREEF America II	25.0%	2.1%	7.3%	8.4%	7.4%	9.1%	16.7%	13.0%	15.1%	12.4%
NFI-ODCE	22.2%	1.2%	5.3%	8.3%	7.6%	8.8%	15.0%	12.5%	13.9%	10.9%
Non-Core Real Estate	-	-	-	-	-	-	-	-	-	-
Energy/Natural Resources Composite	13.7%	-15.5%	-5.7%	-13.5%	-1.1%	13.2%		-		
S&P MLP Index	42.0%	-28.8%	9.7%	-11.7%	-5.6%	21.9%	-35.1%	7.7%	29.7%	5.0%
Private Real Assets Composite	13.7%	-15.5%	-11.0%	-15.9%	2.9%	4.6%	-23.3%	12.2%	7.2%	15.3%
Global Infrastructure Composite								-		
DWS RREEF Global Infrastructure								-		
Dow Jones Brookfield Global Infrastructure Index	19.9%	-7.0%	28.7%	-7.9%	15.8%	12.5%	-14.4%	16.3%	15.9%	16.0%
ULLICO Infrastructure										
CPI +4%	11.3%	5.4%	6.4%	6.0%	6.2%	6.2%	4.8%	4.8%	5.6%	5.8%
IFM Global Infrastructure										
CPI +4%	11.3%	5.4%	6.4%	6.0%	6.2%	6.2%	4.8%	4.8%	5.6%	5.8%

Annualized Performance (Net of Fees)

Market Value: \$740.8 Million and 100.0% of Fund

Ending December 31, 2021

	Ending Describer 61, 2021										
	1 Mo	3 Mo	YTD	Fiscal YTD	1 Yr	3 Yrs	5 Yrs	10 Yrs	Inception	Inception Date	
Total Fund Composite	2.6%	3.6%	12.8%	4.2%	12.8%	13.5%	9.8%	9.0%	7.1%	Aug-00	
Total Fund Policy Index	2.0%	3.6%	11.3%	4.0%	11.3%	13.4%	10.0%	9.2%	6.3%	Aug-00	
Total Fund Allocation Index	2.7%	3.9%	11.7%	3.7%	11.7%	13.4%	9.5%	8.6%	6.6%	Aug-00	
T 1 1 T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00/	0.70/	4.00/	0.00/	4.00/	0.40/	= 00/	4.00/	0.00/	4 00	
Total Fixed Income Composite	0.0%	0.7%	-1.2%	0.6%	-1.2%	8.4%	5.9%	4.6%	6.2%	Aug-00	
Bloomberg US Aggregate TR	-0.3%	0.0%	-1.5%	0.1%	-1.5%	4.8%	3.6%	2.9%	4.7%	Aug-00	
Traditional Fixed Income Composite	-0.3%	1.2%	-0.6%	1.4%	-0.6%	8.9%	6.2%		5.1%	Nov-14	
Bloomberg US Aggregate TR	-0.3%	0.0%	-1.5%	0.1%	-1.5%	4.8%	3.6%	2.9%	3.0%	Nov-14	
Core Fixed Income Composite	-0.3%	-0.2%	-1.3%	-0.2%	-1.3%	5.5%	4.1%		3.8%	Sep-13	
Bloomberg US Aggregate TR	-0.3%	0.0%	-1.5%	0.1%	-1.5%	4.8%	3.6%	2.9%	3.3%	Sep-13	
Long Fixed Income Composite	-0.4%	2.4%	-1.7%	2.5%	-1.7%	12.3%	8.3%	7.2%	8.5%	Sep-91	
Bloomberg US Govt/Credit Long TR	-0.8%	2.2%	-2.5%	2.2%	-2.5%	10.6%	7.4%	5.7%	7.7%	Sep-91	
TID0 0 1/	0.40/	4.50/	0/	0.00/	= =0/	= 00/	4.40/	0.00/	2 201	·	
TIPS Composite	0.4%	1.5%	5.7%	3.2%	5.7%	7.0%	4.4%	2.6%	3.2%	Jul-10	
Bloomberg US TIPS 1-10 Yr TR	0.5%	1.5%	5.7%	3.2%	5.7%	7.0%	4.5%	2.6%	3.2%	Jul-10	
Emerging Debt Composite	1.4%	-2.2%	-4.6%	-4.0%	-4.6%	5.2%	4.8%		1.3%	Nov-13	
Bloomberg Emerging Markets TR	1.0%	-0.5%	-1.7%	-1.1%	-1.7%	5.8%	4.6%	5.1%	4.8%	Nov-13	
Total Favity Composite	3.4%	4.1%	19.9%	4.3%	19.9%	17.9%	13.5%	11.8%	9.6%	Oct-91	
Total Equity Composite MSCI ACWI	4.0%	6.7%	18.5%	4.3% 5.6%	18.5%	20.4%	14.4%	11.0%	9. 6% 8.1%	Oct-91	
MSCIACM	4.0%	0.7%	10.3%	0.0%	10.3%	20.4%	14.4%	11.9%	0.1%	OCI-91	
US Equity Composite	2.9%	6.6%	23.7%	7.2%	23.7%	24.2%	17.5%	15.1%	8.8%	Apr-00	
Russell 3000	3.9%	9.3%	25.7%	9.2%	25.7%	25.8%	18.0%	16.3%	7.7%	Apr-00	
Total Large Cap Composite	2.6%	7.0%	25.4%	8.6%	25.4%	25.4%	19.0%	16.2%	11.5%	Mar-08	
Russell 1000	4.1%	9.8%	26.5%	10.0%	26.5%	26.2%	18.4%	16.5%	12.0%	Mar-08	
Nussell 1000	4.170	3.070	20.070	10.070	20.070	20.270	10.470	10.070	12.070	iviai-00	
Large Cap Equity Composite	2.5%	7.4%	27.4%	9.1%	27.4%	29.1%	21.2%	17.3%	12.3%	Mar-08	
Russell 1000	4.1%	9.8%	26.5%	10.0%	26.5%	26.2%	18.4%	16.5%	12.0%	Mar-08	
Small/Mid Cap Composite	4.1%	4.7%	17.1%	1.4%	17.1%	19.0%	11.2%	12.3%	8.4%	Sep-07	
Russell 2500	3.3%	3.8%	18.2%	1.0%	18.2%	21.9%	13.8%	14.1%	9.8%	Sep-07	
	0.070	0.070	10.270	1.070	10.270		10.070			·	
International Equity Composite	5.2%	2.2%	12.7%	-0.1%	12.7%	9.9%	7.8%	7.5%	6.0%	Apr-00	
International Equity Policy Index	4.1%	1.8%	7.8%	-1.2%	7.8%	13.2%	9.6%	7.3%	3.8%	Apr-00	
Emerging Markets Composite	6.2%	0.7%	7.8%	-5.7%	7.8%	12.1%	9.6%	6.0%	6.1%	Jan-10	
MSCI Emerging Markets	1.9%	-1.3%	-2.5%	-9.3%	-2.5%	10.9%	9.9%	5.5%	4.8%	Jan-10	
	1.070					10.070	0.070	0.070	1.070		
Global Equity Composite	4.8%	9.8%	21.6%	10.2%	21.6%	-			6.5%	Oct-19	
S&P Global Low Volatility Index	6.3%	6.4%	16.7%	8.0%	16.7%				6.2%	Oct-19	
MSCI ACWI	4.0%	6.7%	18.5%	5.6%	18.5%	20.4%	14.4%	11.9%	19.1%	Oct-19	

The new policy benchmark is comprised of the approximate weightings in the following indices: Russell 3000 Index (22.5%), MSCI ACWI ex-US Index (16.5%), 50% 91 Day T-Bill/50% S&P 500 Index (4.0%), Cambridge All Private Equity Index (8.0%), Bloomberg Barclays Aggregate Index (29.0%), JOM GBI-EM Global Diversified Index (5.0%), and the NCREIF Fund Index – ODCE (15.0%).



Annualized Performance (Net of Fees)

Market Value: \$740.8 Million and 100.0% of Fund

	1 Mo	3 Mo	YTD	Fiscal YTD	1 Yr	3 Yrs	5 Yrs	10 Yrs	Inception	Inception Date
Private Equity Composite	0.7%	1.6%	27.3%	6.6%	27.3%	21.4%	17.2%	14.5%	-3.6%	May-09
Cambridge Associates All PE	0.0%	0.0%	23.3%	0.0%	23.3%	24.8%	21.2%	17.1%	17.1%	<i>May-09</i>
Risk Parity Composite	0.0%	0.0%	1.1%	0.0%	1.1%	11.9%	8.1%		6.7%	Jun-15
60% MSCI World/40% CITI WGBI	2.3%	4.2%	9.6%	3.7%	9.6%	14.2%	10.3%	8.1%	8.1%	Jun-15
Real Assets Composite	4.6%	6.8%	17.7%	10.6%	17.7%	6.6%	3.9%	7.0%	5.8%	Apr-04
Real Assets Policy Index	3.8%	7.7%	30.8%	12.6%	30.8%	8.8%	5.7%	7.0%	6.4%	Apr-04
Core Real Estate Composite	6.5%	10.4%	23.3%	16.4%	23.3%	9.7%	8.7%	10.4%	7.5%	Mar-04
NFI-ODCE	2.5%	7.7%	21.1%	14.6%	21.1%	8.2%	7.7%	9.4%	7.4%	Mar-04
Non-Core Real Estate										Apr-19
Energy/Natural Resources Composite	0.0%	0.0%	13.7%	-0.6%	13.7%	-3.4%	-5.2%	-	-5.9%	Jun-15
S&P MLP Index	2.9%	1.2%	42.0%	-3.1%	42.0%	3.5%	-1.5%	0.7%	-4.6%	Jun-15
Private Real Assets Composite	0.0%	0.0%	13.7%	-0.6%	13.7%	-5.1%	-5.9%	-2.0%	0.3%	Dec-10
Global Infrastructure Composite	1.8%	2.1%		3.1%					3.1%	May-21

Calendar Performance (Net of Fees)

Market Value: \$740.8 Million and 100.0% of Fund

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	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
Total Fund Composite	12.8%	11.1%	16.7%	-5.9%	15.7%	8.2%	-1.7%	6.0%	16.5%	13.1%
Total Fund Policy Index	11.3%	12.5%	16.4%	-3.2%	14.2%	7.0%	1.3%	6.0%	14.9%	13.2%
Total Fund Allocation Index	11.7%	11.0%	17.7%	-6.1%	14.9%	9.0%	-3.6%	5.1%	16.1%	12.6%
InvMetrics Public DB Net Rank	59	74	85	89	29	24	78	37	32	21
Total Fixed Income Composite	-1.2%	13.4%	13.7%	-2.4%	7.3%	6.8%	-3.5%	6.1%	-2.0%	9.4%
Bloomberg US Aggregate TR	-1.5%	7.5%	8.7%	0.0%	3.5%	2.6%	0.5%	6.0%	-2.0%	4.2%
InvMetrics Public DB Total Fix Inc Net Rank	53	2	1	98	13	17	94	6	69	30
Traditional Fixed Income Composite	-0.6%	14.4%	13.6%	-2.0%	6.6%	7.1%	-1.7%	-		
Bloomberg US Aggregate TR	-1.5%	7.5%	8.7%	0.0%	3.5%	2.6%	0.5%	6.0%	-2.0%	4.2%
InvMetrics Public DB US Fix Inc Net Rank	11	1	1	99	5	16	83			
Core Fixed Income Composite	-1.3%	9.3%	8.9%	0.2%	3.7%	3.6%	0.1%	6.8%		
Bloomberg US Aggregate TR	-1.5%	7.5%	8.7%	0.0%	3.5%	2.6%	0.5%	6.0%	-2.0%	4.2%
Long Fixed Income Composite	-1.7%	20.9%	19.3%	-4.6%	10.1%	7.6%	-3.7%	20.5%	-6.0%	14.7%
Bloomberg US Govt/Credit Long TR	-2.5%	16.1%	19.6%	-4.7%	10.7%	6.7%	-3.3%	19.3%	-8.8%	8.8%
TIPS Composite	5.7%	8.4%	6.9%	-0.4%	1.8%	4.0%	-0.5%	0.8%	-5.2%	4.9%
Bloomberg US TIPS 1-10 Yr TR	5.7%	8.4%	6.9%	-0.3%	1.9%	4.0%	-0.5%	0.9%	-5.6%	5.0%
Emerging Debt Composite	-4.6%	6.2%	14.7%	-3.4%	12.5%	8.6%	-13.5%	-6.3%		
Bloomberg Emerging Markets TR	-1.7%	6.5%	13.1%	-2.5%	8.2%	9.9%	1.3%	4.8%	-4.1%	17.9%
Total Equity Composite	19.9%	11.7%	22.5%	-9.1%	26.3%	8.8%	-0.2%	3.0%	24.2%	16.3%
MSCI ACWI	18.5%	16.3%	26.6%	-9.4%	24.0%	7.9%	-2.4%	4.2%	22.8%	16.1%
InvMetrics Public DB Total Eq Net Rank	60	98	99	65	8	57	15	84	86	57
US Equity Composite	23.7%	19.6%	29.6%	-5.2%	23.1%	10.0%	2.3%	8.3%	31.3%	14.5%
Russell 3000	25.7%	20.9%	31.0%	-5.2%	21.1%	12.7%	0.5%	12.6%	33.6%	16.4%
InvMetrics Public DB US Eq Net Rank	87	24	63	31	7	87	1	86	96	83
Total Large Cap Composite	25.4%	21.3%	29.7%	-3.3%	24.9%	9.1%	4.0%	8.8%	33.0%	15.1%
Russell 1000	26.5%	21.0%	31.4%	-4.8%	21.7%	12.1%	0.9%	13.2%	33.1%	16.4%
Large Cap Equity Composite	27.4%	26.1%	33.9%	-3.6%	26.2%	9.1%	4.0%	8.8%	33.0%	15.1%
Russell 1000	26.5%	21.0%	31.4%	-4.8%	21.7%	12.1%	0.9%	13.2%	33.1%	16.4%
Small/Mid Cap Composite	17.1%	11.6%	29.1%	-13.3%	16.3%	13.8%	-2.6%	6.5%	34.8%	17.7%
Russell 2500	18.2%	20.0%	27.8%	-10.0%	16.8%	17.6%	-2.9%	7.1%	36.8%	17.9%



Calendar Performance (Net of Fees)

Market Value: \$740.8 Million and 100.0% of Fund

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	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
International Equity Composite	12.7%	1.2%	16.3%	-16.4%	31.1%	8.0%	-3.7%	-2.4%	17.9%	18.5%
International Equity Policy Index	7.8%	10.7%	21.5%	-14.2%	27.2%	4.5%	-5.7%	-3.9%	15.3%	16.8%
InvMetrics Public DB Dev Mkt ex-US Eq Net Rank	4	99	99	91	13	7	61	15	83	38
Emerging Markets Composite	7.8%	11.6%	17.0%	-18.6%	38.4%	13.2%	-18.1%	1.5%	-2.2%	22.3%
MSCI Emerging Markets	-2.5%	18.3%	18.4%	-14.6%	37.3%	11.2%	-14.9%	-2.2%	-2.6%	18.2%
InvMetrics Public DB Emg Mkt Eq Net Rank		76	61	89	15	12	94	17	39	9
Global Equity Composite	21.6%	-7.0%								
S&P Global Low Volatility Index	16.7%	-3.7%								
MSCI ACWI	18.5%	16.3%	26.6%	-9.4%	24.0%	7.9%	-2.4%	4.2%	22.8%	16.1%
InvMetrics Public DB Glbl Eq Net Rank	1	99				-				
Private Equity Composite	27.3%	20.4%	16.8%	8.2%	14.0%	6.5%	15.1%	13.4%	16.3%	9.0%
Cambridge Associates All PE	23.3%	33.8%	17.8%	11.3%	20.7%	9.0%	9.8%	12.6%	21.9%	13.2%
InvMetrics Public DB Private Eq Net Rank		20	12	96	58	58	13	44	13	56
Risk Parity Composite	1.1%	13.6%	22.1%	-7.6%	13.8%	13.2%	-	-		
60% MSCI World/40% CITI WGBI	9.6%	14.3%	18.8%	-5.4%	16.2%	5.3%	-1.7%	2.8%	13.5%	10.2%
InvMetrics Public DB Hedge Funds Net Rank	93	20	1	97	1	1				
Real Assets Composite	17.7%	-1.3%	4.2%	-2.6%	2.8%	10.0%	-2.8%	14.2%	20.2%	10.2%
Real Assets Policy Index	30.8%	-8.5%	7.6%	-0.9%	3.4%	16.0%	-7.5%	7.6%	19.2%	8.3%
InvMetrics Public DB Real Assets/Commodities Net Rank		64	78	61	79	47	35	6	1	19
Core Real Estate Composite	23.3%	0.9%	6.1%	7.6%	6.9%	7.8%	15.4%	12.3%	14.3%	10.6%
NFI-ODCE	21.1%	0.3%	4.4%	7.4%	6.7%	7.8%	14.0%	11.5%	12.9%	9.8%
InvMetrics Public DB Real Estate Priv Net Rank	14	31	34	55	55	56	5	49	15	49
Non-Core Real Estate					-		-	-	-	
Energy/Natural Resources Composite	13.7%	-15.5%	-6.1%	-13.7%	-1.7%	12.7%				
S&P MLP Index	42.0%	-28.8%	9.7%	-11.7%	-5.6%	21.9%	-35.1%	7.7%	29.7%	5.0%
InvMetrics Public DB Real Assets/Commodities Net Rank		89	99	96	95	42				
Private Real Assets Composite	13.7%	-15.5%	-11.0%	-15.9%	2.9%	4.6%	-23.5%	12.2%	7.2%	15.3%
Global Infrastructure Composite				-				-		

Fiscal Year Performance (Net of Fees)

Market Value: \$740.8 Million and 100.0% of Fund

Fiscal Year (July 1)

	Fiscal YTD	Fiscal 2021	Fiscal 2020	Fiscal 2019	Fiscal 2018	Fiscal 2017	Fiscal 2016	Fiscal 2015	Fiscal 2014	Fiscal 2013	Fiscal 2012
Total Fund Composite	4.2%	22.9%	2.5%	5.5%	6.6%	12.6%	-0.1%	1.5%	17.8%	13.8%	0.2%
Total Fund Policy Index	4.0%	21.4%	4.6%	6.5%	7.2%	10.3%	2.3%	3.3%	15.8%	12.2%	0.2%
Total Fund Allocation Index	3.7%	22.9%	2.4%	5.5%	7.0%	11.4%	-0.6%	-0.4%	18.4%	12.8%	-0.2%
InvMetrics Public DB Net Rank	47	88	66	73	81	34	62	77	12	15	71
Total Fixed Income Composite	0.6%	2.4%	12.6%	10.4%	-0.4%	3.2%	5.9%	-1.8%	9.2%	-0.2%	11.6%
Bloomberg US Aggregate TR	0.1%	-0.3%	8.7%	7.9%	-0.4%	-0.3%	6.0%	1.9%	4.4%	-0.7%	7.5%
InvMetrics Public DB Total Fix Inc Net Rank	9	58	1	1	78	42	4	89	6	69	2
Traditional Fixed Income Composite	1.4%	1.4%	14.6%	10.5%	-0.2%	2.9%	7.0%			-	
Bloomberg US Aggregate TR	0.1%	-0.3%	8.7%	7.9%	-0.4%	-0.3%	6.0%	1.9%	4.4%	-0.7%	7.5%
InvMetrics Public DB US Fix Inc Net Rank	1	40	1	2	53	31	6	-			
Core Fixed Income Composite	-0.2%	0.9%	9.7%	7.9%	-0.1%	0.4%	5.8%	2.2%		-	
Bloomberg US Aggregate TR	0.1%	-0.3%	8.7%	7.9%	-0.4%	-0.3%	6.0%	1.9%	4.4%	-0.7%	7.5%
Long Fixed Income Composite	2.5%	0.5%	21.2%	13.9%	-1.0%	-0.3%	15.5%	2.1%	15.7%	-2.3%	20.4%
Bloomberg US Govt/Credit Long TR	2.2%	-1.9%	18.9%	13.8%	-0.8%	-1.1%	15.7%	1.9%	10.8%	-4.7%	24.6%
TIPS Composite	3.2%	6.7%	5.7%	4.6%	1.4%	-0.3%	3.3%	-1.9%	3.7%	-3.0%	6.2%
Bloomberg US TIPS 1-10 Yr TR	3.2%	6.6%	5.7%	4.7%	1.5%	-0.3%	3.3%	-1.9%	3.6%	-3.1%	6.3%
Emerging Debt Composite	-4.0%	10.8%	-0.8%	11.1%	-0.8%	4.4%	3.5%	-15.3%		-	
Bloomberg Emerging Markets TR	-1.1%	6.3%	3.0%	11.0%	-1.0%	5.6%	7.8%	0.2%	10.2%	3.1%	9.0%
Total Equity Composite	4.3%	40.8%	-1.7%	3.5%	11.6%	23.5%	-5.5%	3.4%	21.4%	18.0%	-6.2%
MSCI ACWI	5.6%	39.3%	2.1%	5.7%	10.7%	18.8%	-3.7%	0.7%	22.9%	16.6%	-6.5%
InvMetrics Public DB Total Eq Net Rank	86	51	95	86	48	2	84	46	88	85	75
US Equity Composite	7.2%	44.5%	4.4%	8.0%	15.1%	23.4%	-2.0%	8.2%	22.3%	18.1%	-0.3%
Russell 3000	9.2%	44.2%	6.5%	9.0%	14.8%	18.5%	2.1%	7.3%	25.2%	21.5%	3.8%
InvMetrics Public DB US Eq Net Rank	86	46	28	53	28	2	75	12	93	96	83
Total Large Cap Composite	8.6%	43.0%	7.3%	9.6%	16.1%	23.0%	0.1%	8.8%	21.7%	19.3%	2.3%
Russell 1000	10.0%	43.1%	7.5%	10.0%	14.5%	18.0%	2.9%	7.4%	25.4%	21.2%	4.4%
Large Cap Equity Composite	9.1%	48.0%	9.9%	10.9%	18.2%	23.0%	0.1%	8.8%	21.7%	19.3%	2.3%
Russell 1000	10.0%	43.1%	7.5%	10.0%	14.5%	18.0%	2.9%	7.4%	25.4%	21.2%	4.4%
Small/Mid Cap Composite	1.4%	53.3%	-8.3%	0.8%	10.4%	24.8%	-7.9%	5.9%	24.7%	22.4%	-4.3%
Russell 2500	1.0%	57.8%	-4.7%	1.8%	16.2%	19.8%	-3.7%	5.9%	25.6%	25.6%	-2.3%



Fiscal Year Performance (Net of Fees)

Market Value: \$740.8 Million and 100.0% of Fund

Fiscal Year (July 1)

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	Fiscal YTD	Fiscal 2021	Fiscal 2020	Fiscal 2019	Fiscal 2018	Fiscal 2017	Fiscal 2016	Fiscal 2015	Fiscal 2014	Fiscal 2013	Fiscal 2012
International Equity Composite	-0.1%	34.5%	-10.1%	-3.0%	6.9%	25.4%	-9.4%	-1.6%	20.6%	18.6%	-12.2%
International Equity Policy Index	-1.2%	35.7%	-4.8%	1.3%	7.3%	20.5%	-10.2%	-5.3%	21.8%	13.6%	-14.6%
InvMetrics Public DB Dev Mkt ex- US Eq Net Rank	16	70	99	95	41	4	34	26	68	46	29
Emerging Markets Composite	-5.7%	44.8%	-5.8%	-2.1%	4.6%	28.1%	-13.5%	-5.8%	13.8%	7.1%	-13.2%
MSCI Emerging Markets	-9.3%	40.9%	-3.4%	1.2%	8.2%	23.7%	-12.1%	-5.1%	14.3%	2.9%	-15.9%
InvMetrics Public DB Emg Mkt Eq Net Rank		49	52	95	56	2	97	41	55	28	22
Global Equity Composite	10.2%	22.5%				-			-		
S&P Global Low Volatility Index	8.0%	21.0%									
MSCI ACWI	5.6%	39.3%	2.1%	5.7%	10.7%	18.8%	-3.7%	0.7%	22.9%	16.6%	-6.5%
InvMetrics Public DB Glbl Eq Net Rank	1	97	-			-	-	-	-	-	
Private Equity Composite	6.6%	44.3%	7.4%	11.1%	15.8%	10.8%	5.3%	13.4%	17.7%	9.0%	3.2%
Cambridge Associates All PE	0.0%	61.2%	9.6%	13.4%	18.9%	16.4%	4.5%	12.4%	24.3%	13.8%	2.4%
InvMetrics Public DB Private Eq Net Rank		58	12	52	42	59	32	30	35	50	67
Risk Parity Composite	0.0%	16.2%	2.7%	10.3%	5.8%	2.5%	11.9%	-	-	-	
60% MSCI World/40% CITI WGBI	3.7%	22.6%	4.1%	6.4%	7.4%	8.8%	2.9%	-2.8%	17.0%	8.9%	-1.5%
InvMetrics Public DB Hedge Funds Net Rank	82	72	25	2	49	96	1	-	-	-	
Real Assets Composite	10.6%	8.0%	-5.4%	1.9%	3.3%	7.5%	1.4%	1.0%	20.8%	19.0%	12.0%
Real Assets Policy Index	12.6%	23.1%	-14.4%	3.3%	8.0%	5.3%	0.6%	-1.7%	19.0%	17.0%	7.9%
InvMetrics Public DB Real Assets/Commodities Net Rank		83	58	67	78	22	33	33	1	1	1
Core Real Estate Composite	16.4%	7.2%	2.6%	6.6%	7.6%	7.8%	11.4%	14.4%	12.5%	12.4%	10.6%
NFI-ODCE	14.6%	7.1%	1.3%	5.5%	7.5%	6.9%	10.8%	13.4%	11.7%	11.1%	11.3%
InvMetrics Public DB Real Estate Priv Net Rank	10	59	22	50	54	48	21	11	22	37	26
Non-Core Real Estate							-			-	
Energy/Natural Resources Composite	-0.6%	18.5%	-31.9%	-3.4%	-1.5%	6.9%	-12.9%	-	-	-	
S&P MLP Index	-3.1%	62.2%	-40.2%	3.2%	-1.8%	3.2%	-18.9%	-16.5%	24.9%	29.5%	7.7%
InvMetrics Public DB Real Assets/Commodities Net Rank		48	99	82	94	23	87				
Private Real Assets Composite	-0.6%	18.5%	-25.7%	-16.8%	-1.5%	9.8%	-9.5%	-9.2%	3.4%	8.4%	30.4%
Global Infrastructure Composite	3.1%			-	-	-	-			-	

Annualized Performance (Net of Fees)

Market Value: \$740.8 Million and 100.0% of Fund

	1 Mo	3 Mo	YTD	Fiscal YTD	1 Yr	3 Yrs	5 Yrs	10 Yrs	Inception	Inception Date
Total Fund Composite	2.6%	3.6%	12.8%	4.2%	12.8%	13.5%	9.8%	9.0%	7.1%	Aug-00
Total Fund Policy Index	2.0%	3.6%	11.3%	4.0%	11.3%	13.4%	10.0%	9.2%	6.3%	Aug-00
Total Fund Allocation Index	2.7%	3.9%	11.7%	3.7%	11.7%	13.4%	9.5%	8.6%	6.6%	Aug-00
Total Fixed Income Composite	0.0%	0.7%	-1.2%	0.6%	-1.2%	8.4%	5.9%	4.6%	6.2%	Aug-00
Bloomberg US Aggregate TR	-0.3%	0.0%	-1.5%	0.1%	-1.5%	4.8%	3.6%	2.9%	4.7%	Aug-00
Traditional Fixed Income Composite	-0.3%	1.2%	-0.6%	1.4%	-0.6%	8.9%	6.2%	-	5.1%	Nov-14
Bloomberg US Aggregate TR	-0.3%	0.0%	-1.5%	0.1%	-1.5%	4.8%	3.6%	2.9%	3.0%	Nov-14
Core Fixed Income Composite	-0.3%	-0.2%	-1.3%	-0.2%	-1.3%	5.5%	4.1%	-	3.8%	Sep-13
Bloomberg US Aggregate TR	-0.3%	0.0%	-1.5%	0.1%	-1.5%	4.8%	3.6%	2.9%	3.3%	Sep-13
IR+M Core Fixed	-0.3%	-0.2%	-1.3%	-0.2%	-1.3%	5.5%	4.0%	3.6%	3.8%	Jul-11
Bloomberg US Aggregate TR	-0.3%	0.0%	-1.5%	0.1%	-1.5%	4.8%	3.6%	2.9%	3.2%	Jul-11
Long Fixed Income Composite	-0.4%	2.4%	-1.7%	2.5%	-1.7%	12.3%	8.3%	7.2%	8.5%	Sep-91
Bloomberg US Govt/Credit Long TR	-0.8%	2.2%	-2.5%	2.2%	-2.5%	10.6%	7.4%	5.7%	7.7%	Sep-91
Schroders (STW) Fixed Income	-0.4%	2.4%	-1.7%	2.5%	-1.7%	12.3%	8.3%	7.2%	8.5%	Sep-91
Bloomberg US Govt/Credit Long TR	-0.8%	2.2%	-2.5%	2.2%	-2.5%	10.6%	7.4%	5.7%	7.7%	Sep-91
TIPS Composite	0.4%	1.5%	5.7%	3.2%	5.7%	7.0%	4.4%	2.6%	3.2%	Jul-10
Bloomberg US TIPS 1-10 Yr TR	0.5%	1.5%	5.7%	3.2%	5.7%	7.0%	4.5%	2.6%	3.2%	Jul-10
IR+M TIPS	0.4%	1.5%	5.7%	3.2%	5.7%	7.0%	4.4%	2.5%	3.1%	Jul-10
Bloomberg US TIPS 1-10 Yr TR	0.5%	1.5%	5.7%	3.2%	5.7%	7.0%	4.5%	2.6%	3.2%	Jul-10
Emerging Debt Composite	1.4%	-2.2%	-4.6%	-4.0%	-4.6%	5.2%	4.8%		1.3%	Nov-13
Bloomberg Emerging Markets TR	1.0%	-0.5%	-1.7%	-1.1%	-1.7%	5.8%	4.6%	5.1%	4.8%	Nov-13
Ninety One EMD Blend	1.4%	-2.2%	-4.6%	-4.0%	-4.6%	5.2%			5.2%	Nov-18
Bloomberg Emerging Markets TR	1.0%	-0.5%	-1.7%	-1.1%	-1.7%	5.8%	4.6%	5.1%	6.1%	Nov-18

Annualized Performance (Net of Fees)

Market Value: \$740.8 Million and 100.0% of Fund

	1 Mo	3 Mo	YTD	Fiscal YTD	1 Yr	3 Yrs	5 Yrs	10 Yrs	Inception	Inception Date
Total Equity Composite	3.4%	4.1%	19.9%	4.3%	19.9%	17.9%	13.5%	11.8%	9.6%	Oct-91
MSCI ACWI	4.0%	6.7%	18.5%	5.6%	18.5%	20.4%	14.4%	11.9%	8.1%	Oct-91
US Equity Composite	2.9%	6.6%	23.7%	7.2%	23.7%	24.2%	17.5%	15.1%	8.8%	Apr-00
Russell 3000	3.9%	9.3%	25.7%	9.2%	25.7%	25.8%	18.0%	16.3%	7.7%	Apr-00
Total Large Cap Composite	2.6%	7.0%	25.4%	8.6%	25.4%	25.4%	19.0%	16.2%	11.5%	Mar-08
Russell 1000	4.1%	9.8%	26.5%	10.0%	26.5%	26.2%	18.4%	16.5%	12.0%	Mar-08
Deservative Defensive Fault.	2.00/	E 00/	47 70/						40 50/	A 17
Parametric Defensive Equity S&P 500	3.0% 4.5%	5.9% 11.0%	17.7% 28.7%	6.9% 11.7%	17.7% 28.7%	12.7% 26.1%	 18.5%	16.6%	10.5% 18.5%	Aug-17
CBOE Put Write Index	4.5% 3.7%	7.0%	21.8%	9.0%	21.8%	12.4%	8.2%	8.2%	7.7%	Aug-17 Aug-17
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Large Cap Equity Composite	2.5%	7.4%	27.4%	9.1%	27.4%	29.1%	21.2%	17.3%	12.3%	Mar-08
Russell 1000	4.1%	9.8%	26.5%	10.0%	26.5%	26.2%	18.4%	16.5%	12.0%	Mar-08
Eagle Capital Management	2.9%	3.2%	27.0%	5.4%	27.0%	23.9%	17.2%	16.2%	15.5%	Sep-10
Russell 1000 Value	6.3%	7.8%	25.2%	6.9%	25.2%	17.6%	11.2%	13.0%	12.5%	Sep-10
NT Russell 1000 Growth Index										
Fund	2.1%	11.6%	27.5%	12.9%	27.5%	33.9%	25.2%		19.8%	May-15
Russell 1000 Growth	2.1%	11.6%	27.6%	12.9%	27.6%	34.1%	25.3%	19.8%	19.9%	May-15
Small/Mid Cap Composite	4.1%	4.7%	17.1%	1.4%	17.1%	19.0%	11.2%	12.3%	8.4%	Sep-07
Russell 2500	3.3%	3.8%	18.2%	1.0%	18.2%	21.9%	13.8%	14.1%	9.8%	Sep-07
Pinnacle Associates Small Mid Cap	2.4%	3.0%	12.1%	-1.4%	12.1%	27.2%	17.9%	15.8%	10.9%	Sep-07
Russell 2500 Growth	0.5%	0.2%	5.0%	-3.3%	5.0%	25.1%	17.7%	15.7%	11.0%	Sep-07
William Blair Small Cap Value	5.9%	6.5%	23.1%	4.6%	23.1%	12.1%	5.2%	40.00/	7.8%	May-13
Russell 2000 Value	4.1%	4.4%	28.3%	1.2%	28.3%	18.0%	9.1%	12.0%	10.2%	May-13
International Equity Composite	5.2%	2.2%	12.7%	-0.1%	12.7%	9.9%	7.8%	7.5%	6.0%	Apr-00
International Equity Policy Index	4.1%	1.8%	7.8%	-1.2%	7.8%	13.2%	9.6%	7.3%	3.8%	Apr-00
Silchester International Value	4.8%	-0.1%	11.7%	-1.1%	11.7%	9.2%	7.2%	8.6%	9.7%	Nov-01
MSCI EAFE Value	6.0%	1.2%	10.9%	0.2%	10.9%	7.8%	5.3%	5.8%	5.4%	Nov-01
Emerging Markets Composite	6.2%	0.7%	7.8%	-5.7%	7.8%	12.1%	9.6%	6.0%	6.1%	Jan-10
MSCI Emerging Markets	1.9%	-1.3%	-2.5%	-9.3%	-2.5%	10.9%	9.9%	5.5%	4.8%	Jan-10
Acadian Emerging Markets	6.2%	0.7%	7.8%	-5.7%	7.8%	12.1%	9.4%	5.8%	5.9%	Jan-10
MSCI Emerging Markets	1.9%	-1.3%	-2.5%	-9.3%	-2.5%	10.9%	9.9%	5.5%	4.8%	Jan-10
Global Equity Composite	4.8%	9.8%	21.6%	10.2%	21.6%				6.5%	Oct-19
S&P Global Low Volatility Index	6.3%	6.4%	16.7%	8.0%	16.7%				6.2%	Oct-19
MSCI ACWI	4.0%	6.7%	18.5%	5.6%	18.5%	20.4%	14.4%	11.9%	19.1%	Oct-19
NT Quality Low Volatility	4.8%	9.8%	21.6%	10.2%	21.6%				21.6%	Dec-20
S&P Global Low Volatility Index	6.3%	6.4%	16.7%	8.0%	16.7%				16.7%	Dec-20

Annualized Performance (Net of Fees)

Market Value: \$740.8 Million and 100.0% of Fund

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	1 Mo	3 Mo	YTD	Fiscal YTD	1 Yr	3 Yrs	5 Yrs	10 Yrs	Inception	Inception Date
Private Equity Composite	0.7%	1.6%	27.3%	6.6%	27.3%	21.4%	17.2%	14.5%	-3.6%	May-09
Cambridge Associates All PE	0.0%	0.0%	23.3%	0.0%	23.3%	24.8%	21.2%	17.1%	17.1%	<i>May-09</i>
Partners Group II	2.0%	4.6%	21.3%	7.5%	21.3%				21.1%	Sep-20
MSCI ACWI	4.0%	6.7%	18.5%	5.6%	18.5%	20.4%	14.4%	11.9%	27.8%	Sep-20
Cambridge Associates All PE	0.0%	0.0%	23.3%	0.0%	23.3%	24.8%	21.2%	17.1%	34.3%	Sep-20
Risk Parity Composite	0.0%	0.0%	1.1%	0.0%	1.1%	11.9%	8.1%		6.7%	Jun-15
60% MSCI World/40% CITI WGBI	2.3%	4.2%	9.6%	3.7%	9.6%	14.2%	10.3%	8.1%	8.1%	Jun-15
PanAgora Diversified Risk	0.0%	0.0%	1.1%	0.0%	1.1%	11.9%	8.1%		6.7%	Nov-14
60% MSCI World/40% CITI WGBI	2.3%	4.2%	9.6%	3.7%	9.6%	14.2%	10.3%	8.1%	7.5%	Nov-14
Real Assets Composite	4.6%	6.8%	17.7%	10.6%	17.7%	6.6%	3.9%	7.0%	5.8%	Apr-04
Real Assets Policy Index	3.8%	7.7%	30.8%	12.6%	30.8%	8.8%	5.7%	7.0%	6.4%	Apr-04
Core Real Estate Composite	6.5%	10.4%	23.3%	16.4%	23.3%	9.7%	8.7%	10.4%	7.5%	Mar-04
NFI-ODCE	2.5%	7.7%	21.1%	14.6%	21.1%	8.2%	7.7%	9.4%	7.4%	Mar-04
Principal Global Investors	2.2%	10.0%	22.6%	15.5%	22.6%	9.3%	8.8%	10.4%	7.3%	Mar-05
NFI-ODCE	2.5%	7.7%	21.1%	14.6%	21.1%	8.2%	7.7%	9.4%	7.0%	Mar-05
RREEF America II	10.7%	10.7%	24.0%	17.2%	24.0%	10.0%	8.8%	10.4%	7.6%	Mar-04
NFI-ODCE	2.5%	7.7%	21.1%	14.6%	21.1%	8.2%	7.7%	9.4%	7.4%	Mar-04
Non-Core Real Estate	-	-			-		-	-	-	Apr-19
Energy/Natural Resources Composite	0.0%	0.0%	13.7%	-0.6%	13.7%	-3.4%	-5.2%		-5.9%	Jun-15
S&P MLP Index	2.9%	1.2%	42.0%	-3.1%	42.0%	3.5%	-1.5%	0.7%	-4.6%	Jun-15
Private Real Assets Composite	0.0%	0.0%	13.7%	-0.6%	13.7%	-5.1%	-5.9%	-2.0%	0.3%	Dec-10
Global Infrastructure Composite	1.8%	2.1%		3.1%	-			-	3.1%	May-21
DWS RREEF Global Infrastructure	7.5%	8.2%		7.6%					7.5%	May-21
Dow Jones Brookfield Global Infrastructure Index	7.6%	7.5%	19.9%	6.5%	19.9%	12.8%	8.9%	8.7%	7.0%	May-21
ULLICO Infrastructure	0.0%	0.0%							1.7%	Jul-21
CPI +4%	0.6%	2.6%	11.3%	4.6%	11.3%	7.7%	7.0%	6.2%	3.8%	Jul-21
IFM Global Infrastructure	0.0%								0.0%	Nov-21
CPI +4%	0.6%	2.6%	11.3%	4.6%	11.3%	7.7%	7.0%	6.2%	0.6%	Nov-21



Calendar Performance (Net of Fees)

Market Value: \$740.8 Million and 100.0% of Fund

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	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
Total Fund Composite	12.8%	11.1%	16.7%	-5.9%	15.7%	8.2%	-1.7%	6.0%	16.5%	13.1%
Total Fund Policy Index	11.3%	12.5%	16.4%	-3.2%	14.2%	7.0%	1.3%	6.0%	14.9%	13.2%
Total Fund Allocation Index	11.7%	11.0%	17.7%	-6.1%	14.9%	9.0%	-3.6%	5.1%	16.1%	12.6%
InvMetrics Public DB Net Rank	59	74	85	89	29	24	78	37	32	21
Total Fixed Income Composite	-1.2%	13.4%	13.7%	-2.4%	7.3%	6.8%	-3.5%	6.1%	-2.0%	9.4%
Bloomberg US Aggregate TR	-1.5%	7.5%	8.7%	0.0%	3.5%	2.6%	0.5%	6.0%	-2.0%	4.2%
InvMetrics Public DB Total Fix Inc Net Rank	53	2	1	98	13	17	94	6	69	30
Traditional Fixed Income Composite	-0.6%	14.4%	13.6%	-2.0%	6.6%	7.1%	-1.7%			-
Bloomberg US Aggregate TR	-1.5%	7.5%	8.7%	0.0%	3.5%	2.6%	0.5%	6.0%	-2.0%	4.2%
InvMetrics Public DB US Fix Inc Net Rank	11	1	1	99	5	16	83	-		
Core Fixed Income Composite	-1.3%	9.3%	8.9%	0.2%	3.7%	3.6%	0.1%	6.8%		
Bloomberg US Aggregate TR	-1.5%	7.5%	8.7%	0.0%	3.5%	2.6%	0.5%	6.0%	-2.0%	4.2%
IR+M Core Fixed	-1.3%	9.3%	8.9%	-0.1%	3.8%	3.5%	0.1%	6.8%	-1.7%	7.1%
Bloomberg US Aggregate TR	-1.5%	7.5%	8.7%	0.0%	3.5%	2.6%	0.5%	6.0%	-2.0%	4.2%
eV US Core Fixed Inc Net Rank	39	18	51	44	52	32	79	12	48	23
Long Fixed Income Composite	-1.7%	20.9%	19.3%	-4.6%	10.1%	7.6%	-3.7%	20.5%	-6.0%	14.7%
Bloomberg US Govt/Credit Long TR	-2.5%	16.1%	19.6%	-4.7%	10.7%	6.7%	-3.3%	19.3%	-8.8%	8.8%
Schroders (STW) Fixed Income	-1.7%	20.9%	19.3%	-4.8%	10.3%	7.5%	-3.7%	20.6%	-6.0%	14.8%
Bloomberg US Govt/Credit Long TR	-2.5%	16.1%	19.6%	-4.7%	10.7%	6.7%	-3.3%	19.3%	-8.8%	8.8%
eV US Long Duration - Gov/Cred Fixed Inc Net Rank	18	3	77	36	77	39	60	9	12	2
TIPS Composite	5.7%	8.4%	6.9%	-0.4%	1.8%	4.0%	-0.5%	0.8%	-5.2%	4.9%
Bloomberg US TIPS 1-10 Yr TR	5.7%	8.4%	6.9%	-0.3%	1.9%	4.0%	-0.5%	0.9%	-5.6%	5.0%
IR+M TIPS	5.7%	8.4%	6.9%	-0.4%	1.9%	4.0%	-0.5%	0.9%	-5.6%	5.0%
Bloomberg US TIPS 1-10 Yr TR	5.7%	8.4%	6.9%	-0.3%	1.9%	4.0%	-0.5%	0.9%	-5.6%	5.0%
eV US TIPS / Inflation Fixed Inc Net Rank	70	80	72	12	85	73	1	79	4	87
Emerging Debt Composite	-4.6%	6.2%	14.7%	-3.4%	12.5%	8.6%	-13.5%	-6.3%		
Bloomberg Emerging Markets TR	-1.7%	6.5%	13.1%	-2.5%	8.2%	9.9%	1.3%	4.8%	-4.1%	17.9%
Ninety One EMD Blend	-4.6%	6.2%	14.7%			-				
Bloomberg Emerging Markets TR	-1.7%	6.5%	13.1%	-2.5%	8.2%	9.9%	1.3%	4.8%	-4.1%	17.9%
eV Emg Mkts Fixed Inc - Blended Currency Net Rank	55	49	40							

Calendar Performance (Net of Fees)

Market Value: \$740.8 Million and 100.0% of Fund

	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
Total Equity Composite	19.9%	11.7%	22.5%	-9.1%	26.3%	8.8%	-0.2%	3.0%	24.2%	16.3%
MSCI ACWI	18.5%	16.3%	26.6%	-9.4%	24.0%	7.9%	-2.4%	4.2%	22.8%	16.1%
InvMetrics Public DB Total Eq Net Rank	60	98	99	65	8	57	15	84	86	57
US Equity Composite	23.7%	19.6%	29.6%	-5.2%	23.1%	10.0%	2.3%	8.3%	31.3%	14.5%
Russell 3000	25.7%	20.9%	31.0%	-5.2%	21.1%	12.7%	0.5%	12.6%	33.6%	16.4%
InvMetrics Public DB US Eq Net Rank	87	24	63	31	7	87	1	86	96	83
Total Large Cap Composite	25.4%	21.3%	29.7%	-3.3%	24.9%	9.1%	4.0%	8.8%	33.0%	15.1%
Russell 1000	26.5%	21.0%	31.4%	-4.8%	21.7%	12.1%	0.9%	13.2%	33.1%	16.4%
Parametric Defensive Equity	17.7%	4.6%	16.3%	3.6%						
S&P 500	28.7%	18.4%	31.5%	-4.4%	21.8%	12.0%	1.4%	13.7%	32.4%	16.0%
CBOE Put Write Index	21.8%	2.1%	14.1%	-5.9%	10.8%	7.8%	6.4%	6.4%	12.3%	8.1%
Large Cap Equity Composite	27.4%	26.1%	33.9%	-3.6%	26.2%	9.1%	4.0%	8.8%	33.0%	15.1%
Russell 1000	26.5%	21.0%	31.4%	-4.8%	21.7%	12.1%	0.9%	13.2%	33.1%	16.4%
Eagle Capital Management	27.0%	13.9%	31.6%	-5.6%	23.0%	10.5%	2.1%	12.6%	36.0%	17.1%
Russell 1000 Value	25.2%	2.8%	26.5%	-8.3%	13.7%	17.3%	-3.8%	13.5%	32.5%	17.5%
eV US Large Cap Value Equity Net Rank	49	11	13	23	6	75	6	35	33	29
NT Russell 1000 Growth Index Fund	27.5%	38.2%	36.3%	-1.6%	30.1%	7.2%				
Russell 1000 Growth	27.6%	38.5%	36.4%	-1.5%	30.2%	7.1%	5.7%	13.0%	33.5%	15.3%
eV US Large Cap Growth Equity Net Rank	23	34	28	53	41	19				
Small/Mid Cap Composite	17.1%	11.6%	29.1%	-13.3%	16.3%	13.8%	-2.6%	6.5%	34.8%	17.7%
Russell 2500	18.2%	20.0%	27.8%	-10.0%	16.8%	17.6%	-2.9%	7.1%	36.8%	17.9%
Pinnacle Associates Small Mid Cap	12.1%	31.3%	39.9%	-11.5%	25.2%	4.0%	-0.5%	7.7%	37.5%	24.3%
Russell 2500 Growth	5.0%	40.5%	32.7%	-7.5%	24.5%	9.7%	-0.2%	7.1%	40.6%	16.1%
eV US Small-Mid Cap Growth Equity Net Rank	54	70	4	90	47	84	40	26	71	1
William Blair Small Cap Value	23.1%	-5.4%	21.0%	-15.5%	8.1%	25.6%	-5.2%	5.1%		
Russell 2000 Value	28.3%	4.6%	22.4%	-12.9%	7.8%	31.7%	-7.5%	4.2%	34.5%	18.0%
eV US Small Cap Value Equity Net Rank	82	97	73	56	67	54	56	50		-



Calendar Performance (Net of Fees)

Market Value: \$740.8 Million and 100.0% of Fund

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	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
International Equity Composite	12.7%	1.2%	16.3%	-16.4%	31.1%	8.0%	-3.7%	-2.4%	17.9%	18.5%
International Equity Policy Index	7.8%	10.7%	21.5%	-14.2%	27.2%	4.5%	-5.7%	-3.9%	15.3%	16.8%
InvMetrics Public DB Dev Mkt ex-US Eq Net Rank	4	99	99	91	13	7	61	15	83	38
Silchester International Value	11.7%	-0.6%	17.2%	-14.4%	27.2%	7.4%	1.6%	-1.6%	29.1%	16.4%
MSCI EAFE Value	10.9%	-2.6%	16.1%	-14.8%	21.4%	5.0%	-5.7%	-5.4%	23.0%	17.7%
eV EAFE Large Cap Value Net Rank	52	82	98	30	22	17	19	1	11	74
Emerging Markets Composite	7.8%	11.6%	17.0%	-18.6%	38.4%	13.2%	-18.1%	1.5%	-2.2%	22.3%
MSCI Emerging Markets	-2.5%	18.3%	18.4%	-14.6%	37.3%	11.2%	-14.9%	-2.2%	-2.6%	18.2%
InvMetrics Public DB Emg Mkt Eq Net Rank		76	61	89	15	12	94	17	39	9
Acadian Emerging Markets	7.8%	11.6%	17.0%	-19.0%	37.7%	13.0%	-18.1%	1.4%	-2.4%	22.5%
MSCI Emerging Markets	-2.5%	18.3%	18.4%	-14.6%	37.3%	11.2%	-14.9%	-2.2%	-2.6%	18.2%
eV Emg Mkts Equity Net Rank	25	76	69	80	44	22	92	37	71	20
Global Equity Composite	21.6%	-7.0%								
S&P Global Low Volatility Index	16.7%	-3.7%								
MSCI ACWI	18.5%	16.3%	26.6%	-9.4%	24.0%	7.9%	-2.4%	4.2%	22.8%	16.1%
InvMetrics Public DB Glbl Eq Net Rank	1	99								-
NT Quality Low Volatility	21.6%		-	-		-				
S&P Global Low Volatility Index	16.7%	-3.7%								
eV Global Low Volatility Equity Net Rank	4					-				-
Private Equity Composite	27.3%	20.4%	16.8%	8.2%	14.0%	6.5%	15.1%	13.4%	16.3%	9.0%
Cambridge Associates All PE	23.3%	33.8%	17.8%	11.3%	20.7%	9.0%	9.8%	12.6%	21.9%	13.2%
InvMetrics Public DB Private Eq Net Rank		20	12	96	58	58	13	44	13	56
Partners Group II	21.3%									
MSCI ACWI	18.5%	16.3%	26.6%	-9.4%	24.0%	7.9%	-2.4%	4.2%	22.8%	16.1%
Cambridge Associates All PE	23.3%	33.8%	17.8%	11.3%	20.7%	9.0%	9.8%	12.6%	21.9%	13.2%
Risk Parity Composite	1.1%	13.6%	22.1%	-7.6%	13.8%	13.2%				
60% MSCI World/40% CITI WGBI	9.6%	14.3%	18.8%	-5.4%	16.2%	5.3%	-1.7%	2.8%	13.5%	10.2%
InvMetrics Public DB Hedge Funds Net Rank	93	20	1	97	1	1				
PanAgora Diversified Risk	1.1%	13.6%	22.1%	-7.7%	13.8%	13.2%	-3.8%			
60% MSCI World/40% CITI WGBI	9.6%	14.3%	18.8%	-5.4%	16.2%	5.3%	-1.7%	2.8%	13.5%	10.2%

Calendar Performance (Net of Fees)

Market Value: \$740.8 Million and 100.0% of Fund

	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
Real Assets Composite	17.7%	-1.3%	4.2%	-2.6%	2.8%	10.0%	-2.8%	14.2%	20.2%	10.2%
Real Assets Policy Index	30.8%	-8.5%	7.6%	-0.9%	3.4%	16.0%	-7.5%	7.6%	19.2%	8.3%
InvMetrics Public DB Real Assets/Commodities Net Rank		64	78	61	79	47	35	6	1	19
Core Real Estate Composite	23.3%	0.9%	6.1%	7.6%	6.9%	7.8%	15.4%	12.3%	14.3%	10.6%
NFI-ODCE	21.1%	0.3%	4.4%	7.4%	6.7%	7.8%	14.0%	11.5%	12.9%	9.8%
InvMetrics Public DB Real Estate Priv Net Rank	14	31	34	55	55	56	5	49	15	49
Principal Global Investors	22.6%	0.6%	6.0%	8.0%	8.0%	9.0%	13.6%	12.7%	13.5%	11.6%
NFI-ODCE	21.1%	0.3%	4.4%	7.4%	6.7%	7.8%	14.0%	11.5%	12.9%	9.8%
RREEF America II	24.0%	1.1%	6.3%	7.4%	6.4%	8.1%	15.7%	12.0%	14.5%	10.1%
NFI-ODCE	21.1%	0.3%	4.4%	7.4%	6.7%	7.8%	14.0%	11.5%	12.9%	9.8%
Non-Core Real Estate								-		
Energy/Natural Resources Composite	13.7%	-15.5%	-6.1%	-13.7%	-1.7%	12.7%				
S&P MLP Index	42.0%	-28.8%	9.7%	-11.7%	-5.6%	21.9%	-35.1%	7.7%	29.7%	5.0%
InvMetrics Public DB Real Assets/Commodities Net Rank		89	99	96	95	42				-
Private Real Assets Composite	13.7%	-15.5%	-11.0%	-15.9%	2.9%	4.6%	-23.5%	12.2%	7.2%	15.3%
Global Infrastructure Composite		-		-	-			-		
DWS RREEF Global Infrastructure										
Dow Jones Brookfield Global Infrastructure Index	19.9%	-7.0%	28.7%	-7.9%	15.8%	12.5%	-14.4%	16.3%	15.9%	16.0%
eV Infrastructure Net Rank										-
ULLICO Infrastructure										
CPI +4%	11.3%	5.4%	6.4%	6.0%	6.2%	6.2%	4.8%	4.8%	5.6%	5.8%
eV Infrastructure Net Rank										
IFM Global Infrastructure						-				
CPI +4%	11.3%	5.4%	6.4%	6.0%	6.2%	6.2%	4.8%	4.8%	5.6%	5.8%
eV Infrastructure Net Rank										-



Private Equity Composite

Market Value: \$64.3 Million and 8.7% of Fund

Private Equity Investments Overview

			1. 7	Contribu	ıtions &						
Investments		Commi	tments	Distrib		Valua	ations		Perfor	mance	Э
Investment Name	Vintage Year	Commitment (\$)	Unfunded Commitment (\$)	Cumulative Contributions (\$)	Cumulative Distributions (\$)	Valuation (\$)	Total Value (\$)	DPI	TVPI	RVPI	IRR (%)
2009											
Adams Street Partnership Fund 2009 US Fund, L.P.	2009	2,000,000	164,000	1,836,000	3,045,191	1,655,994	4,701,185	1.7	2.6	0.9	16.8
Adams Street Partnership Fund 2009 Non US Emerging Markets Fund, L.P.	2009	400,000	32,600	367,400	334,695	433,554	768,249	0.9	2.1	1.2	10.9
Adams Street Partnership Fund 2009 Non US Developed Markets Fund, L.P.	2009	1,200,000	132,600	1,067,400	1,386,231	774,485	2,160,716	1.3	2.0	0.7	13.9
Adams Street 2009 Direct Fund, L.P.	2009	400,000	7,920	392,080	609,363	269,319	878,682	1.6	2.2	0.7	14.7
Total 2009		4,000,000	337,120	3,662,880	5,375,480	3,133,352	8,508,832	1.5	2.3	0.9	15.2
2010											
NB Crossroads 2010 Fund, L.P.	2010	5,000,000	1,475,000	3,525,000	3,323,542	1,295,403	4,618,945	0.9	1.3	0.4	4.8
Total 2010		5,000,000	1,475,000	3,525,000	3,323,542	1,295,403	4,618,945	0.9	1.3	0.4	4.8
2014											
Top Tier Venture Velocity Fund, L.P.	2014	5,000,000	37,040	4,963,476	5,750,463	3,328,767	9,079,230	1.2	1.8	0.7	15.9
Fort Washington Private Equity Opportunities Fund III, L.P.	2014	5,000,000	1,300,000	3,700,000	4,312,500	1,793,176	6,105,676	1.2	1.7	0.5	15.8
Total 2014		10,000,000	1,337,040	8,663,476	10,062,963	5,121,943	15,184,906	1.2	1.8	0.6	15.9
2015											
NB Crossroads Fund XXI, L.P.	2015	5,000,000	1,750,000	3,250,000	1,550,814	5,774,880	7,325,694	0.5	2.3	1.8	21.0
57 Stars Global Opportunity Fund 4, L.P.	2015	5,000,000	1,087,463	4,252,725	869,189	6,817,949	7,687,138	0.2	1.8	1.6	15.3
Total 2015		10,000,000	2,837,463	7,502,725	2,420,003	12,592,829	15,012,832	0.3	2.0	1.7	18.0
2016											
Fort Washington Private Equity Investors IX, L.P.	2016	6,000,000	1,830,000	4,170,000	810,000	6,931,901	7,741,901	0.2	1.9	1.7	23.8
Total 2016		6,000,000	1,830,000	4,170,000	810,000	6,931,901	7,741,901	0.2	1.9	1.7	23.8
2017											
Aberdeen U.S. Private Equity VII, L.P.	2017	6,000,000	1,020,000	4,980,000	3,348,676	6,543,763	9,892,439	0.7	2.0	1.3	34.9
Total 2017		6,000,000	1,020,000	4,980,000	3,348,676	6,543,763	9,892,439	0.7	2.0	1.3	34.9
2020											
Fort Washington Private Equity Investors X, L.P.	2020	9,000,000	5,670,000	3,330,000	0	4,993,860	4,993,860	0.0	1.5	1.5	
Adams Street US SMB Fund II, L.P.	2020	6,000,000	5,430,000	570,000	0	689,516	689,516	0.0	1.2	1.2	
Total 2020		15,000,000	11,100,000	3,900,000	0	5,683,376	5,683,376	0.0	1.5	1.5	55.0
2021											
Top Tier Venture Velocity Fund 4, L.P.	2021		-251,612	251,612	0	251,612	251,612	0.0	1.0	1.0	
Total 2021			-251,612	251,612	0	251,612	251,612	0.0	1.0	1.0	0.0
Total		56,000,000	19,685,011	36,655,693	25,340,664	41,554,179	66,894,842	0.7	1.8	1.1	16.2

Private Equity Composite

Market Value: \$64.3 Million and 8.7% of Fund

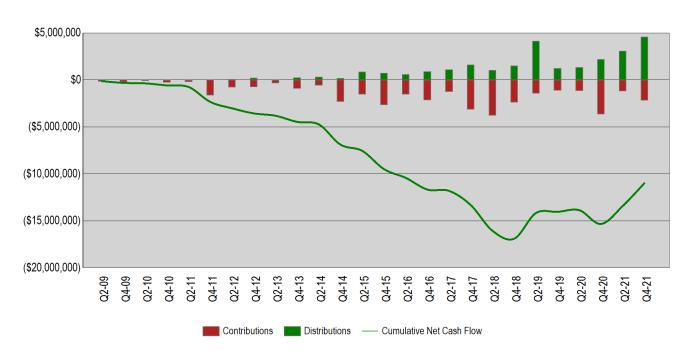
Private Equity Investments Overview

Investments		Tr	railing Retur	ns	Public I	Market Equ	ivalents	
Investment Name	Vintage Year	IRR (1 Yr) (%)	IRR (3 Yrs) (%)	IRR (5 Yrs) (%)	IRR (%)	Long Nickels (%)	Kaplan Schoar	Primary PME Benchmark
2009								
Adams Street Partnership Fund 2009 US Fund, L.P.	2009	43.9	32.7	22.7	16.8	14.5	1.1	S&P 500
Adams Street Partnership Fund 2009 Non US Emerging Markets Fund, L.P.	2009	15.4	15.7	13.8	10.9	5.0	1.5	MSCI Emerging Markets
Adams Street Partnership Fund 2009 Non US Developed Markets Fund, L.P.	2009	26.5	23.4	22.3	13.9	5.9	1.4	MSCI EAFE
Adams Street 2009 Direct Fund, L.P.	2009	21.4	15.5	15.4	14.7	15.2	1.0	S&P 500
Total 2009		33.2	26.5	20.9	15.2	11.9	1.2	
2010								
NB Crossroads 2010 Fund, L.P.	2010	18.6	-2.8	-3.5	4.8	15.7	0.6	S&P 500
Total 2010		18.6	-2.8	-3.5	4.8	15.7	0.6	
2014								
Top Tier Venture Velocity Fund, L.P.	2014	12.9	26.6	19.1	15.9	13.5	1.1	S&P 500
Fort Washington Private Equity Opportunities Fund III, L.P.	2014	25.7	-1.0	10.6	15.8	13.4	1.1	S&P 500
Total 2014		17.4	14.1	15.5	15.9	13.5	1.1	
2015								
NB Crossroads Fund XXI, L.P.	2015	29.6	24.2	23.3	21.0	18.4	1.1	S&P 500
57 Stars Global Opportunity Fund 4, L.P.	2015	22.4	20.4	16.0	15.3	18.2	0.9	S&P 500
Total 2015		25.8	22.2	19.3	18.0	18.3	1.0	
2016								
Fort Washington Private Equity Investors IX, L.P.	2016	35.0	27.0	22.5	23.8	20.2	1.1	S&P 500
Total 2016		35.0	27.0	22.5	23.8	20.2	1.1	
2017								
Aberdeen U.S. Private Equity VII, L.P.	2017	41.8	34.3		34.9	20.6	1.3	S&P 500
Total 2017		41.8	34.3		34.9	20.6	1.3	
2020								
Fort Washington Private Equity Investors X, L.P.	2020							S&P 500
Adams Street US SMB Fund II, L.P.	2020							S&P 500
Total 2020		38.4			55.0	28.4	1.2	
2021								
Top Tier Venture Velocity Fund 4, L.P.	2021							S&P 500
Total 2021					0.0	5.1	1.0	
Total		30.0	22.7	18.7	16.2	15.6	1.0	

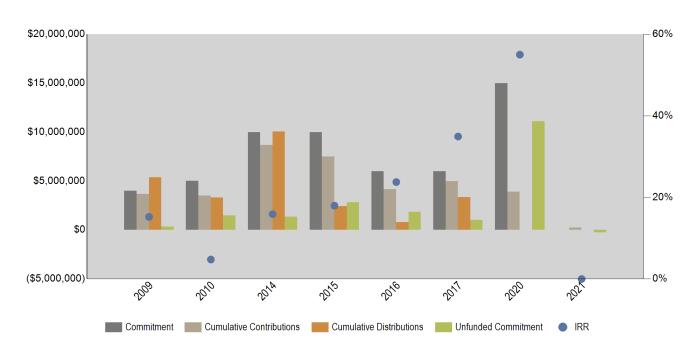
Private Equity Composite

Market Value: \$64.3 Million and 8.7% of Fund

Private Equity Cash Flow Analysis As of December 31, 2021



Private Equity Investments as of December 31, 2021 By Vintage Year



Private Real Assets Composite

Market Value: \$6.5 Million and 0.9% of Fund

Private Real Assets Investments Overview

Investments		Comm	itments		Contributions & Distributions		ations	Performance)	
Investment Name	Vintage Year	Commitment (\$)	Unfunded Commitment (\$)	Cumulative Contributions (\$)	Cumulative Distributions (\$)	Valuation (\$)	Total Value (\$)	DPI	TVPI	RVPI	IRR (%)
2010											
Aether Real Assets I, L.P.	2010	11,000,000	87,936	12,750,015	8,512,961	2,735,423	11,248,384	0.7	0.9	0.2	-3.2
Total 2010		11,000,000	87,936	12,750,015	8,512,961	2,735,423	11,248,384	0.7	0.9	0.2	-3.2
2012											
Aether Real Assets II, L.P.	2012	7,500,000	504,163	7,672,683	3,523,293	3,727,514	7,250,807	0.5	0.9	0.5	-1.3
Total 2012		7,500,000	504,163	7,672,683	3,523,293	3,727,514	7,250,807	0.5	0.9	0.5	-1.3
Total		18,500,000	592,099	20,422,698	12,036,254	6,462,937	18,499,191	0.6	0.9	0.3	-2.4

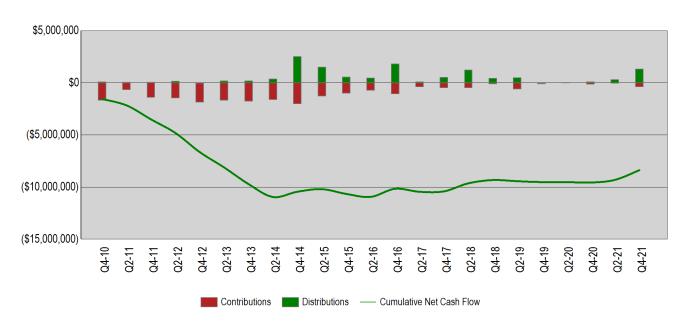
Private Real Assets Investments Overview

Investments		Trailing Returns			Public	Market Equ	ivalents	alents			
Investment Name	Vintage Year	IRR (1 Yr) (%)	IRR (3 Yrs) (%)	IRR (5 Yrs) (%)	IRR (%)	Long Nickels (%)	Kaplan Schoar	Primary PME Benchmark			
2010											
Aether Real Assets I, L.P.	2010	17.7	-6.1	-9.5	-3.2	1.0	0.8	S&P 500 Energy			
Total 2010		17.7	-6.1	-9.5	-3.2	1.0	0.8				
2012											
Aether Real Assets II, L.P.	2012	11.3	-5.6	-5.2	-1.3	-0.3	1.0	S&P 500 Energy			
Total 2012		11.3	-5.6	-5.2	-1.3	-0.3	1.0				
Total		14.0	-5.8	-7.2	-2.4	0.5	0.9				

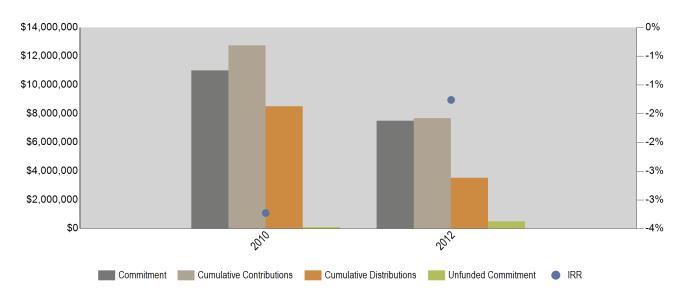
Private Real Assets Composite

Market Value: \$6.5 Million and 0.9% of Fund

Private Real Assets Cash Flow Analysis As of December 31, 2021



Private Real Assets Investments as of December 31, 2021 By Vintage Year



Fee Schedule

Market Value: \$740.8 Million and 100.0% of Fund

Asset Class	Investment Manager	Fee Schedule	Expense Ratio & Estimated Annual Fee ¹	Industry Median ²
Core Fixed Income	IR+M Core Fixed	0.25% on the Balance	0.25% \$182,074	0.25%
Long-Term Govt. Fixed Income	Schroders (STW) Fixed Income	0.375% on the first \$30 million 0.25% on the next \$70 million 0.125% on the next \$100 million 0.10% on the next \$500 million 0.08% on the Balance	0.30% \$220,496	0.28%
TIPS	IR+M TIPS	0.05% on the Balance	0.05% \$11,785	0.30%
EM Fixed Income	Ninety One EMD Blend	0.55% on the Balance (0.40% management fee with additional operating expenses capped at 0.15%)	0.55% \$164,655	0.65%
Defensive Equity	Parametric Defensive Equity	0.325% on the first \$50 million 0.30% on the next \$50 million	0.32% \$112,902	0.75%
Large-Cap Value	Eagle Capital Management	1.00% on the first \$5 million 0.75% on the Balance	0.77% \$469,087	0.50%
Large-Cap Growth	NT Russell 1000 Growth Index Fund	0.04% on the Balance	0.04% \$25,658	0.06%
Smid-Cap Growth	Pinnacle Associates Small Mid Cap	1.0% on the first \$25 million 0.85% on the next \$25 million 0.70% on the Balance	1.00% \$199,671	0.90%
Small-Cap Value	William Blair Small Cap Value	0.85% on the first \$50 million 0.60% on the next \$50 million 0.55% on the next \$150 million 0.50% on the Balance	0.85% \$154,849	0.90%
Non-U.S. Large-Cap Value	Silchester International Value	1.0% on the first \$25 million 0.65% on the next \$25 million 0.55% on the next \$25 million 0.50% on the Balance	0.73% \$560,898	0.62%
Emerging Markets	Acadian Emerging Markets	0.75% on the Balance	0.75% \$306,103	0.90%
Global Low-Volatility	NT Quality Low Volatility	0.32% on the first \$50 million 0.27% on the next \$50 million 0.22% on the Balance	0.32% \$112,046	0.45%
Global Divers. Private Equity FoF	Neuberger Berman Crossroads IXX (2010)	0.80% on Committed Capital	3.09% \$40,000	2.32%
Global Divers. Private Equity FoF	Neuberger Berman Crossroads XXI	0.50% on Committed Capital	0.43% \$25,000	0.87%
Secondary Private Equity FoF	Fort Washington Private Equity Fund III	0.75% on Committed Capital	2.09% \$37,500	2.79%
Global Divers. Private Equity FoF	Fort Washington Private Equity Fund IX	0.42% on Committed Capital	0.36% \$25,200	0.87%



Fee Schedule Cont.

Market Value: \$740.8 Million and 100.0% of Fund

		Wich	t value: \$740.8 Million and 100.0% of Fur			
Asset Class	Investment Manager	Fee Schedule	Expense Ratio & Estimated Annual Fee ¹	Industry Median ²		
LBO Private Equity FoF	Aberdeen Private Equity VII	0.75% on Committed Capital	0.69% \$45,000	1.83%		
Global Divers. Private Equity FoF	57 Stars Global Opportunity Fund	0.86% on Committed Capital	0.63% \$43,000	0.73%		
Venture Private Equity FoF	Top Tier Venture Velocity Fund I	1.00% on Committed Capital	1.50% \$50,000	3.38%		
Venture Private Equity FoF	Top Tier Venture Velocity Fund IV	1.00% on Committed Capital	19.87% \$50,000	44.71%		
Global Divers. Private Equity FoF	Partners Group II	1.35% on the Balance	1.35% \$307,416	1.00%		
Global Divers. Private Equity FoF	Fort Washington Private Equity Fund X	0.51% on Committed Capital	0.92% \$45,900	1.80%		
Divers. Private Equity	Adams Street Direct 2009	1.40% on Committed Capital	2.08% \$5,600	0.89%		
U.S. Divers. Private Equity	Adams Street US	0.70% on Committed Capital	0.85% \$14,000	0.72%		
Non-U.S. Divers. Private Equity FoF	Adams Street Non-US Developed	0.70% on Committed Capital	1.08% \$8,400	0.93%		
Non-U.S. Divers. Private Equity FoF	Adams Street Non-US Emerging	0.70% on Committed Capital	0.65% \$2,800	0.55%		
U.S. Divers. Private Equity	Adams Street US SMB II	0.87% on Committed Capital	7.57% \$52,200	8.70%		
Risk Parity	PanAgora Diversified Risk	0.35% on the Balance	0.35% \$3,059	0.75%		
Core Real Estate	Principal Global Investors	0.95% on the Balance	0.95% \$335,085	1.00%		
Core Real Estate	RREEF America II	0.95% on the Balance	0.95% \$377,744	1.00%		
Real Assets	Aether Real Assets I	1.40% on Committed Capital	4.02% \$110,000	2.41%		
Real Assets	Aether Real Assets II	0.85% on Committed Capital	1.71% \$63,750	1.21%		
Global Infrastructure	DWS RREEF Global Infrastructure	1.08% on the Balance	1.08% \$106,467	0.85%		
Core Infrastructure	ULLICO Infrastructure	1.75% on the first \$50 million 1.65% on the next \$25 million 1.50% on the Balance	1.75% \$177,930	1.07%		
Core Infrastructure	IFM Global Infrastructure	0.77% on the first \$300 million 0.65% on the Balance	0.77% \$154,000	1.07%		
Total Investment Management Fees			0.62% \$4,600,274	0.64%		

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

² Source: 2019 Marquette Associates Investment Management Fee Study.



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