

## Board of Trustees - Monthly Performance Report - December 31, 2024 Returns are provided by Callan LLC, are annualized for periods greater than one year, and are net of fees after 7/1/2020. Also see "Notes and References" below.

		(A)	(B)	(C)	(D)	(E)	(F)	(G)
	12/31/2024 Market Value*	1 Month	3 Months	FYTD	CYTD	1 Year	3 Years	5 Y
				(6 Months)	(12 Months)	(12 Months)	(36 Months)	(60 Mo
TOTAL FUND •	83,039,035,354	-1.13%	-0.01%	3.65%	8.00%	8.00%	3.13%	7.8
Passive Index Benchmark <sup>1</sup> •		-2.91%	-2.98%	4.37%	9.73%	9.73%	1.32%	5.7
Performance Benchmark <sup>2</sup> •		-0.76%	0.47%	4.08%	9.58%	9.58%	3.46%	7.4
Total Fund Return Objective <sup>3</sup>		0.44%	1.32%	2.91%	7.89%	7.89%	9.23%	9.2
PUBLIC EQUITY	25,925,138,937	-3.95%	-2.76%	4.80%	12.92%	12.92%	4.43%	9.8
MSCI ACWI IMI		-2.69%	-1.24%	5.52%	16.37%	16.37%	4.90%	9.6
INTERNATIONAL EQUITY	7,015,366,674	-1.38%	-6.69%	0.87%	7.53%	7.53%	1.43%	5.2
MSCI ACWI IMI EX-US		-1.97%	-7.61%	-0.05%	5.23%	5.23%	0.50%	4.
GLOBAL EQUITY	9,208,120,358	-3.74%	-2.11%	5.27%	14.53%	14.53%	5.85%	11.3
MSCI ACWI IMI		-2.69%	-1.24%	5.52%	16.37%	16.37%	4.90%	9.
DOMESTIC EQUITY	9,701,316,667	-5.92%	-0.37%	7.39%	15.54%	15.54%	5.17%	11.
RUSSELL 3000 INDEX		-3.06%	2.63%	9.03%	23.81%	23.81%	8.01%	13.
	16,669,511,510	-1.24%	<b>-1.94</b> %	2.77%	3.06%	3.06%	-0.84%	0.3
IXED INCOME BENCHMARK <sup>4</sup>		-1.30%	-2.05%	2.66%	2.69%	2.69%	-1.32%	-0.
US FIXED INCOME AGGREGATE	4,610,553,863	-1.62%	-2.95%	2.12%	1.64%	1.64%	-1.91%	0.
BB US AGGREGATE		-1.64%	-3.06%	1.98%	1.25%	1.25%	-2.41%	-0.
US INVESTMENT GRADE CORPORATE	4,480,399,814	-1.85%	-2.87%	2.75%	2.50%	2.50%	-1.68%	0.
BB US CORPORATE		-1.94%	-3.04%	2.62%	2.13%	2.13%	-2.27%	0.
NON US FIXED INCOME	2,347,614,401	-0.14%	0.49%	3.86%	4.04%	4.04%	0.56%	0.
BB GLOBAL TREASURY EX-US		-0.23%	0.43%	4.00%	4.19%	4.19%	0.38%	0
US HIGH YIELD	1,809,681,000	-0.56%	-0.07%	4.23%	7.78%	7.78%	3.04%	4.
BB US HIGH YIELD		-0.65%	-0.49%	3.74%	6.30%	6.30%	1.78%	3
TIPS	804,680,677	-1.56%	-2.83%	1.26%	2.07%	2.07%	-1.94%	2.
BB US TIPS		-1.58%	-2.88%	1.12%	1.84%	1.84%	-2.30%	1.
FIXED INCOME CASH	1,014,863,217	0.40%	1.22%	2.66%	5.43%	5.43%	4.02%	2.
90 DAY T-BILLS		0.40%	1.17%	2.55%	5.25%	5.25%	3.89%	2.
DOMESTIC STRUCTURED PRODUCTS	1,597,946,098	-1.58%	-3.16%	2.18%	1.39%	1.39%	-2.20%	
BB US SECURITIZED		-1.56%	-3.01%	2.26%	1.46%	1.46%	-1.98%	
ABSOLUTE RETURN	6,070,615,620	1.44%	4.06%	4.89%	11.60%	11.60%	7.81%	7.
ABSOLUTE RETURN BENCHMARK <sup>5</sup>		0.71%	1.53%	2.00%	7.97%	7.97%	1.88%	5.
	1 100 001 440	0.470/	0.100/	0.000/	04 03 04	04 01 04		
ACTICAL OPPORTUNITIES	1,188,901,448	-2.47%	2.19%	8.02%	<b>26.31%</b>	<b>26.31%</b>		
&P 500 Index		-2.38%	2.41%	8.44%	25.02%	25.02%		
OTAL FUND CASH	1,565,774,092	0.40%	1.20%	2.54%	4.99%	4.99%	5.34%	
PO DAY T-BILLS	.,,	0.40%	1.17%	2.55%	5.25%	5.25%	3.89%	
RIVATE EQUITY & SPECIAL OPPS •	14,797,791,461	N/A	2.56%	2.60%	5.54%	5.54%	1.62%	14.
CAMBRIDGE PRIVATE EQUITY		N/A	2.53%	3.54%	7.22%	7.22%	3.72%	12.
PRIVATE EQUITY •	10,770,515,264	N/A	3.14%	3.76%	6.72%	6.72%	3.20%	17.
CAMBRIDGE PRIVATE EQUITY •		N/A	2.53%	3.54%	7.22%	7.22%	3.72%	12
SPECIAL OPPORTUNITIES •	3,872,499,585	N/A	1.15%	-0.03%	2.95%	2.95%	-1.93%	9.
CAMBRIDGE PRIVATE EQUITY •		N/A	2.53%	3.54%	7.22%	7.22%	3.72%	12
IN-STATE EMERGING MANAGERS •	154,776,611	N/A	-2.43%	<b>-9.80</b> %	-8.01%	-8.01%	-5.61%	
CAMBRIDGE PRIVATE EQUITY •		N/A	2.53%	3.54%	7.22%	7.22%	3.72%	
EAL ESTATE •	9,567,627,990	N/A	1.08%	0.31%	-0.63%	-0.63%	2.28%	3.
EAL ESTATE CUSTOM <sup>6</sup> •		N/A	3.00%	2.84%	1.72%	1.72%	1.78%	4
RE EQUITY INVESTMENTS •	7,329,902,318	N/A	-0.62%	-1.81%	<b>-4.97</b> %	<b>-4.97</b> %	1.80%	
NCREIF TOTAL INDEX •		N/A	0.78%	0.52%	-3.47%	-3.47%	0.87%	
RE DEBT INVESTMENTS •	1,411,084,249	N/A	2.20%	3.75%	8.87%	8.87%	9.86%	11.
NCREIF TOTAL INDEX •		N/A	0.78%	0.52%	-3.47%	-3.47%	0.87%	3.
REITS •	826,641,423	N/A	15.61%	16.45%	32.91%	32.91%	4.82%	6.
MSCI US REIT •		N/A	16.12%	16.21%	34.38%	34.38%	4.98%	5.
RIVATE INCOME	7,253,674,296	N/A	4.18%	6.08%	11.51%	11.51%	8.62%	9.
		N/A	3.35%	5.47%	12.28%	12.28%	10.90%	8.
	4,360,268,247	N/A	5.90%	7.35%	13.63%	13.63%	11.93%	11.
CAMBRIDGE GLOBAL PVT INFRASTRUCTURE		N/A	3.82%	5.54%	12.65%	12.65%	11.52%	7.
PRIVATE CREDIT •	2,019,288,423	N/A	1.85%	4.71%	9.17%	9.17%	7.58%	8.
				5.35%		11.73%		
CLIFFWATER DIRECT LENDING •		N/A	2.65%	3.3370	11.73%	11.7 370	9.96%	7.
CLIFFWATER DIRECT LENDING • INCOME OPPORTUNITIES •	874,117,626	N/A <b>N/A</b>	2.65% 1.40%	3.15%	6.77%	6.77%	9.98% 1. <b>72</b> %	9. 5.

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		12/31/2024 Market Value*	1 Month	3 Months	FYTD	CYTD	1 Year	3 Years	5 Years
		25,925,138,937	-3.95%	-2.76%	4.80%	12.92%	12.92%	4.43%	9.86%
60 M 61	INTERNATIONAL EQUITY	7,015,366,674	-2.69% -1.38%	-1.24% -6.69%	5.52% 0.87%	16.37% <b>7.53%</b>	16.37% 7.53%	4.90% 1.43%	9.67% 5.27%
62	MSCI ACWI IMI EX-US	.,,,	-1.97%	-7.61%	-0.05%	5.23%	5.23%	0.50%	4.12%
63	Macquarie Emerging Markets	210,978,559	-0.14%	-8.31%	-7.99%	7.74%	7.74%	-2.52%	2.53%
64	JP Morgan Emerging Markets	389,188,785	-0.99%	-6.87%	1.90%	5.32%	5.32%	-3.26%	2.16%
65 66	Mondrian Investment Partners SSGA MSCI Emerging Markets	368,399,197 236,080,857	-1.03% -0.27%	-9.20% -7.92%	-1.00% 0.13%	4.09% 7.66%	4.09% 7.66%	-0.10% -1.82%	1.75% 1.79%
67	William Blair Emerging Markets	215,924,275	-0.21%	-5.91%	1.48%	6.00%	6.00%	-5.58%	0.46%
68	MEASA Fund	140,390,459	-0.40%	-1.84%	6.15%	16.98%	16.98%	9.14%	12.23%
69	MSCI Emerging Markets Index		-0.14%	-8.01%	0.02%	7.50%	7.50%	-1.92%	1.70%
70 71	DFA Emerging Markets Value	470,086,895	-1.27%	-8.60%	-1.92%	5.65%	5.65%	2.75%	4.52%
72	MSCI Emerging Markets Value Index DFA Emerging Markets Small Cap	223,518,356	-0.72% -1.18%	-9.21% <b>-7.20%</b>	-1.84% <b>-0.27%</b>	4.51% <b>4.59%</b>	4.51% <b>4.59%</b>	0.16% 1.17%	1.96% <b>6.00%</b>
73	MSCI Emerging Markets Small Cap Index		-1.02%	-7.19%	-2.11%	4.79%	4.79%	2.11%	8.56%
74	Trustbridge Emerging Markets	132,173,416	2.85%	-11.20%	5.09%	13.21%	13.21%	-5.56%	-1.29%
75	MSCI China Index ND		2.69%	-7.67%	14.01%	19.42%	19.42%	-6.10%	-3.44%
76 77	Allspring Global MSCI China All Shares Idx (USD Net Div)	100,765,037	1.80% 1.50%	<b>-7.76%</b> -6.96%	10.83% 13.79%	17.55% 16.38%	17.55% 16.38%	<b>-9.44%</b> -7.69%	<b>-1.31%</b> -1.78%
78	Mellon MSCI World ex-USA	251,711,876	-2.80%	-7.53%	-0.32%	4.75%	4.75%	2.15%	5.37%
79	DFA International Large Cap	482,636,284	-2.37%	-7.15%	-0.14%	4.69%	4.69%	3.49%	5.90%
80	MSCI World ex US		-2.68%	-7.43%	-0.24%	4.70%	4.70%	1.91%	5.10%
B1	DFA International Small Cap Value	450,653,173	-1.37%	-7.35%	0.68%	6.15%	6.15%	4.53%	6.13%
82 83	MSCI World ex-USA Small Cap Value Index DFA International Small Company	465,770,308	-2.62% <b>-2.25%</b>	-8.12% -8.09%	1.91% <b>0.64%</b>	2.95% 2.93%	2.95% 2.93%	0.52% -1.40%	3.37% 3.65%
84	SSGA International Developed Small Cap	353,825,148	-2.65%	-7.80%	1.76%	2.93%	2.93%	-2.48%	3.03 %
85	MSCI World ex-USA Small Cap Index		-2.62%	-7.86%	1.76%	2.76%	2.76%	-2.77%	2.87%
86	Acadian Asset Mgmt	522,840,095	0.06%	-0.25%	7.66%	16.89%	16.89%	5.20%	7.78%
87	MSCI World ex US Value		-2.15%	-6.55%	2.51%	6.65%	6.65%	6.04%	5.50%
88 89	LSV International Large Cap	752,892,212	-1.81% -1.31%	-6.25% -6.48%	0.98% 0.24%	8.57% 7.47%	8.57% 7.47%	7.28% 2.99%	6.31% 4.80%
69 90	Schroders International Large Cap APF International LV Value	676,034,861 10,565,759	-1.51%	-0.48% -4.44%	4.52%	7.47 %	7.47 %	2.99%	4.80%
91	MSCI All Country World ex-USA Value Index		-1.74%	-7.31%	1.27%	6.04%	6.04%	4.37%	4.50%
92	Johnston International Large Cap	323,283,086	-2.72%	-3.40%	2.32%	13.48%	13.48%	-2.64%	5.10%
93	JP Morgan International Large Cap	227,177,720	-2.54%	-6.52%	-1.05%	6.20%	6.20%	-3.76%	5.37%
94 95	MSCI World ex-USA Growth Index APF International LV	10,470,318	-3.23% <b>-2.20%</b>	-8.31% <b>-5.61%</b>	-2.92% 3.61%	2.82%	2.82%	-2.26%	4.29%
95 96	MSCI All Country World ex-USA Index	10,470,318	-1.94%	-7.60%	-0.15%				
97	GLOBAL EQUITY	9,208,120,358	-3.74%	-2.11%	5.27%	14.53%	14.53%	5.85%	11.20%
98	MSCI ACWI IMI		-2.69%	-1.24%	5.52%	16.37%	16.37%	4.90%	9.67%
99	AQR Global Equity	698,275,076	-1.88%	2.55%	8.30%	25.11%	25.11%	10.62%	12.50%
00 D1	SSGA MSCI World	19,529,634	-2.58%	-0.12% -0.82%	6.44%	18.97% -4.87%	18.97% -4.87%	6.23%	11.24%
02	CDAM Global Equity MSCI World Index	498,615,337	<b>-3.09%</b> -2.61%	-0.82% -0.16%	4.65% 6.20%	-4.87% 18.67%	-4.87 % 18.67%	-1.57% 6.34%	<b>6.94%</b> 11.17%
03	SSGA Russell Fundamental Developed Lrg Co	1,056,172,164	-4.10%	-4.11%	3.19%	10.40%	10.40%	6.73%	9.90%
04	Russell Fundamental Dvlpd Lrg Co Index		-4.08%	-3.97%	3.38%	10.74%	10.74%	7.29%	10.35%
05	Lazard Asset Management	838,866,403	-2.76%	-3.08%	3.73%	11.85%	11.85%	4.00%	8.07%
06	McKinley Capital Management	281,439,330	-2.17% -3.09%	-0.38% -1.14%	2.53% 4.74%	24.62%	24.62%	5.45%	13.36%
07 08	RBA Global Equity WCM Global Equity	557,831,022 304,059,514	-3.09%	-1.14%	14.08%	16.21% 33.50%	16.21% 33.50%	4.41% 6.00%	9.74% 14.32%
09	APF Global LV	10,699,380	-5.37%	-3.50%	6.17%	0010070	0010070	0.00 /0	1.102.70
10	MSCI All-Country World Index		-2.37%	-0.99%	5.56%	17.49%	17.49%	5.44%	10.06%
11	APF Tactical Tilts	2,068,368,160	-5.92%	-4.46%	6.81%	13.14%	13.14%	4.81%	12.45%
12 13	SSGA MSCI ACWI IMI APF Global Equities	288,128,373 114,823,965	-2.77% -2.94%	-2.48% -3.68%	4.27% 0.94%	16.71% 5.61%	16.71% 5.61%	5.07% 3.53%	9.86% 7.57%
14	Arrowstreet Global Equity	1,204,622,585	-2.32%	0.25%	5.27%	21.48%	21.48%	8.34%	13.16%
15	Longview Global Equity	1,256,274,992	-3.77%	-3.82%	3.22%	10.21%	10.21%	6.42%	8.57%
16	MSCI All-Country World IMI		-2.69%	-1.24%	5.52%	16.37%	16.37%	4.90%	9.67%
17	APF Global LV Value	10,389,458	-4.80%	-4.46%	4.97%				
18 19	MSCI All-Country World Value DOMESTIC EQUITY	9,701,316,667	-5.24% -5.92%	-4.71% -0.37%	4.27% 7.39%	15.54%	15.54%	5.17%	11.95%
20	RUSSELL 3000 INDEX	9,701,310,007	-3.06%	2.63%	9.03%	23.81%	23.81%	8.01%	13.86%
21	Mellon S&P 500	6,115,745	-2.35%	2.45%	8.72%	26.89%	26.89%	10.34%	15.36%
22	S&P 500 Index		-2.38%	2.41%	8.44%	25.02%	25.02%	8.94%	14.53%
23	Mellon FTSE RAFI US Large Cap	495,688,090	-5.54%	-0.28%	7.32%	17.06%	17.06%	8.25%	12.59%
24 25	FTSE RAFI US 1000 Index Voya Large Cap	332,220,074	-5.54% 0.88%	-0.28% <b>7.98</b> %	7.40% 9.85%	17.14% 35.27%	17.14% 35.27%	7.98% <b>9.71</b> %	12.34% 20.00%
25 26	SSGA Large Cap	332,383,333	0.88%	5.14%	9.83% 8.13%	33.43%	33.43%	11.15%	18.49%
27	DSM - Large Cap	315,756,894	-0.18%	4.55%	4.53%	31.29%	31.29%	8.87%	15.67%
28	CastleArk - Large Cap	164,983,484	-1.84%	2.92%	1.69%	26.94%	26.94%	8.04%	17.92%
29	APF SPDR Yield	265,644,190	-6.25%	-1.93%	6.81%	11.87%	11.87%	6.29%	10.37%
30 31	APF SPDR Momentum APF SPDR Low Vol	67,301,438 282,638,560	-6.97%	0.26% -2.51%	8.35%	15.27%	15.27%	5.63%	10.56%
32	APF R1000 Low Vol	585,478,042	-6.55% -5.50%	-1.87%	7.46% 6.41%	11.96% 14.70%	11.96% 14.70%	5.24% 3.59%	9.91%
33	Russell 1000 Growth Index	,	0.88%	7.07%	10.49%	33.36%	33.36%	10.47%	18.96%
34	Russell 1000 Index		-2.79%	2.75%	9.00%	24.51%	24.51%	8.41%	14.28%
35	Lyrical - Large Cap	821,713,715	-7.61%	-1.99%	9.24%	14.11%	14.11%	6.00%	11.62%
36	SKBA - Large Cap	465,441,814	-6.13%	-2.41%	6.85%	13.80%	13.80%	10.03%	10.46%
37 38	LSV - Large Cap Value APF Domestic Equity	926,255,864 561,792,487	-6.90% -7.07%	-0.80% 1.21%	7.18% 10.32%	16.38% 13.68%	16.38% 13.68%	7.76% 6.43%	9.55% 10.55%
30 39	APP Domestic Equity APF R1000V Low Vol	417,737,702	-6.76%	-2.62%	6.63%	13.08%	13.08%	3.76%	10.55%
40	Mellon R1000V	124,219,435	-6.83%	-1.98%	7.25%	14.38%	14.38%		
41	Russell 1000 Value Index		-6.84%	-1.98%	7.26%	14.37%	14.37%	5.63%	8.68%
42	Mellon S&P 400	22,902,398	-7.14%	0.34%	7.35%	14.04%	14.04%	5.04%	10.61%
43	S&P 400 Index	240 000 001	-7.12%	0.34%	7.31%	13.93%	13.93%	4.87%	10.34%
44 45	Jennison Associates LLC Russell 2000 Index	340,902,096	<b>-5.16%</b> -8.26%	4.87% 0.33%	15.45% 9.64%	18.37% 11.54%	18.37% 11.54%	1.31% 1.24%	12.34% 7.40%
45 46	RBC Asset Mgmt	230,307,630	-6.08%	-0.91%	6.45%	10.05%	10.05%	1.80%	10.57%
47	Eagle Asset Mgmt	522,169,478	-7.25%	-0.15%	5.69%	15.01%	15.01%	-1.40%	7.48%
48	Russell 2000 Growth Index		-8.19%	1.70%	10.26%	15.15%	15.15%	0.21%	6.86%
49	Russell 2000 Index		-8.26%	0.33%	9.64%	11.54%	11.54%	1.24%	7.40%
50 51	T Rowe Price Pzena Investment Mgmt	395,395,087 512,749,712	-7.69% -7.85%	0.07% -1.31%	10.96% 3.60%	10.72% 2.54%	10.72% 2.54%	1.10%	6.92% 9.51%
51 52	Russell 2000 Value Index	512,147,112	-8.33%	-1.06%	3.60% 8.98%	2.54% 8.05%	2.54% 8.05%	6.35% 1.94%	<b>9.51%</b> 7.29%
53	Russell 2000 value index		-8.26%	0.33%	9.64%	11.54%	11.54%	1.24%	7.40%
54	APF US Tactical Tilts	936,262,735	-6.77%	-1.55%	8.17%	13.36%	13.36%	6.07%	
55	Mellon R3000	14,568,947	-3.06%	2.61%	9.01%	23.82%	23.82%		
56 57	Russell 3000 Index	540 607 714	-3.06%	2.63%	9.03% 5.87%	23.81%	23.81%		
57 58	ACI US Value Yield Russell 3000 Value Index	560,687,716	<b>-5.99%</b> -6.91%	<b>-3.44%</b> -1.94%	<b>5.87%</b> 7.35%	10.56% 13.98%	10.56% 13.98%		
	Kossen 5000 Youd Illuex		-0.7170	-1.7470	1.33%	13.70%	13.70%		

			(A)	(B)	(C)	(D)	(E)	(F)	(G)
		12/31/2024 Market Value*	1 Month	3 Months	FYTD	CYTD	1 Year	3 Years	5 Years
59 FL)		16,669,511,510	-1.24%	-1. <b>9</b> 4%	2.77%	3.06%	3.06%	-0.84%	0.32%
60 FIX	ED INCOME BENCHMARK <sup>4</sup>		-1.30%	-2.05%	2.66%	2.69%	2.69%	-1.32%	-0.24%
	US FIXED INCOME AGGREGATE	4,610,553,863	-1.62%	-2.95%	2.12%	1.64%	1.64%	-1.91%	0.21%
	BB US AGGREGATE		-1.64%	-3.06%	1.98%	1.25%	1.25%	-2.41%	-0.33%
63	APF Fixed Income - Aggregate	4,610,553,863	-1.62%	-2.95%	2.12%	1.64%	1.64%	-1.91%	0.21%
64	US INVESTMENT GRADE CORPORATE	4,480,399,814	-1.85%	-2.87%	2.75%	2.50%	2.50%	-1.68%	0.94%
65	BB US CORPORATE		-1.94%	-3.04%	2.62%	2.13%	2.13%	-2.27%	0.30%
66	APF Corporate Bonds	4,480,399,814	-1.85%	-2.87%	2.75%	2.50%	2.50%	-1.68%	0.94%
	NON US FIXED INCOME	2,347,614,401	-0.14%	0.49%	3.86%	4.04%	4.04%	0.56%	0.64%
68	BB GLOBAL TREASURY EX-US		-0.23%	0.43%	4.00%	4.19%	4.19%	0.38%	0.61%
69	APF Global Government Bonds	2,347,614,401	-0.14%	0.49%	3.86%	4.04%	4.04%	0.53%	0.56%
70	US HIGH YIELD	1,809,681,000	-0.56%	-0.07%	4.23%	7.78%	7.78%	3.04%	4.09%
71	BB US HIGH YIELD		-0.65%	-0.49%	3.74%	6.30%	6.30%	1.78%	3.50%
72	APF HY Corporate	1,809,194,553	-0.56%	-0.07%	4.23%	7.77%	7.77%		
73	TIPS	804,680,677	-1.56%	-2.83%	1.26%	2.07%	2.07%	-1.94%	2.21%
74	BB US TIPS		-1.58%	-2.88%	1.12%	1.84%	1.84%	-2.30%	1.87%
75	APF TIPS	804,680,677	-1.56%	-2.83%	1.26%	2.07%	2.07%	-1.94%	2.28%
76	FIXED INCOME CASH	1,014,863,217	0.40%	1.22%	2.66%	5.43%	5.43%	4.02%	2.61%
77	90 DAY T-BILLS		0.40%	1.17%	2.55%	5.25%	5.25%	3.89%	2.46%
78	APF Fixed Income Cash	934,375,526	0.40%	1.19%	2.68%	5.45%	5.45%	4.03%	2.62%
79	APF GLO FXD INC Cash	80,487,691	0.35%	1.56%	2.52%	5.31%	5.31%	3.94%	2.44%
30	DOMESTIC STRUCTURED PRODUCTS	1,597,946,098	-1.58%	-3.16%	2.18%	1.39%	1.39%	-2.20%	
81	BB US SECURITIZED		-1.56%	-3.01%	2.26%	1.46%	1.46%	-1.98%	
82	APF Dom Struc Prod	1,597,946,098	-1.58%	-3.16%	2.18%	1.39%	1.39%	-2.20%	
83 AB	SOLUTE RETURN	6,070,615,620	1.44%	4.06%	4.89%	11.60%	11.60%	7.81%	7.72%
	SOLUTE RETURN BENCHMARK <sup>5</sup>		0.71%	1.53%	2.00%	7.97%	7.97%	1.88%	5.43%
85 TA	CTICAL OPPORTUNITIES	1,188,901,448	-2.47%	2.19%	8.02%	26.31%	26.31%		
	P 500 Index	.,,	-2.38%	2.41%	8.44%	25.02%	25.02%		
87	APF Tac Opps Public	1,188,901,448	-2.47%	2.19%	8.02%	26.31%	26.31%		
88 70	TAL FUND CASH	1,565,774,092	0.40%	1.20%	2.54%	4.99%	4.99%	5.34%	
	DAY T-BILLS	1,000,774,072	0.40%	1.17%	2.55%	5.25%	5.25%	3.89%	
89 <b>70</b> 90	APF Internal Cash	1,370,341,413	0.40%	1.23%	2.55%	5.37%	5.37%	3.89%	2.49%
90 91	APF Operating Cash	195,432,679	0.34%	1.11%	2.36%	4.48%	4.48%	3.62%	2.40%

		( <b>A</b> )	(B)	(C)	(D)	(E)	(F)	(G)
	12/31/2024 Market Value*	1 Month	3 Months	FYTD	CYTD	1 Year	3 Years	5 Yec
RIVATE EQUITY & SPECIAL OPPS •	14,797,791,461	N/A	2.56%	2.60%	5.54%	5.54%	1.62%	14.71
CAMBRIDGE PRIVATE EQUITY •			2.53%	3.54%	7.22%	7.22%	3.72%	12.60
PRIVATE EQUITY •	10,770,515,264	N/A	3.14%	3.76%	6.72%	6.72%	3.20%	17.24
CAMBRIDGE PRIVATE EQUITY •		,	2.53%	3.54%	7.22%	7.22%	3.72%	12.60
PE - APFC Direct	6,547,678,295	N/A	3.26%	3.73%	7.83%	7.83%	6.08%	19.46
PE - Harbourvest Legacy	594,961,650	N/A	5.94%	3.65%	0.22%	0.22%	-6.79%	12.10
PE - Pathway Capital Mgmt	3,183,399,762	N/A	2.67%	4.20%	6.76%	6.76%	1.84%	15.65
SPECIAL OPPORTUNITIES •	3,872,499,585	N/A	1.15%	-0.03%	2.95%	2.95%	-1.93%	9.6
CAMBRIDGE PRIVATE EQUITY •	0,07 2,477,000	N/A	2.53%	3.54%	7.22%	7.22%	3.72%	12.6
IN-STATE EMERGING MANAGERS •	154,776,611	N/A	-2.43%	<b>-9.80</b> %	-8.01%	-8.01%	-5.61%	12.0
	134,778,811							
CAMBRIDGE PRIVATE EQUITY •		N/A	2.53%	3.54%	7.22%	7.22%	3.72%	
Barings AK	98,834,619	N/A	0.00%	2.44%	14.64%	14.64%	11.03%	
McKinley AK	55,941,992	N/A	-6.82%	-26.59%	-33.55%	-33.55%	-21.26%	
EAL ESTATE •	9,567,627,990	N/A	1.08%	0.31%	-0.63%	-0.63%	2.28%	3.3
EAL ESTATE CUSTOM <sup>6</sup> •		N/A	3.00%	2.84%	1.72%	1.72%	1.78%	4.9
RE EQUITY INVESTMENTS •	7,329,902,318	N/A	-0.62%	-1.81%	<b>-4.97</b> %	<b>-4.97</b> %	1.80%	
NCREIF TOTAL INDEX •		N/A	0.78%	0.52%	-3.47%	-3.47%	0.87%	
RE EQUITY SEPARATE ACCTS & DIRECTS	• 4,657,597,197	N/A	-2.04%	-3.82%	-7.71%	-7.71%	-0.61%	-0.8
L&B Realty Advisors	1,321,516,737	N/A	-5.85%	-10.29%	-10.07%	-10.07%	-7.14%	-5.7
Sentinel Real Estate	607,679,722	N/A	0.32%	0.22%	-2.75%	-2.75%	1.30%	2.6
LaSalle - United Kingdom	145,615,710	N/A	6.55%	10.14%	17.72%	17.72%	14.93%	-22.5
Lincoln Industrial	462,378,070	N/A	0.70%	-3.81%	-7.51%	-7.51%	14.75%	-22.3
CB Richard Ellis - Europe	140,122,089	N/A	5.01%	9.82%	12.31%	12.31%	8.91%	4.4
CS Capital	896,829,521	N/A	-4.62%	-5.73%	-12.42%	-12.42%	-2.76%	2.1
Heitman Direct	724,751,929	N/A	-0.53%	-0.44%	-10.30%	-10.30%	-8.26%	-6.9
APF RE Direct	358,703,419	N/A	2.82%	3.71%	-8.12%	-8.12%	35.84%	
RE EQUITY DEVELOPMENT	709,504,196	N/A	4.18%	0.93%	0.70%	0.70%		
RE CBRE TCC Dev	37,605,607	N/A	1.42%	-23.84%	78.18%	78.18%		
RE Greystar Dev	446,018,854	N/A	7.14%	4.96%	-3.37%	-3.37%		
RE Clarion Dev	92,161,067	N/A	3.85%	3.96%	4.80%	4.80%		
RE AIMCO Dev	1,983,524	N/A						
RE Allen Morris Dev	81,899,888	N/A	-6.12%	-6.12%	-6.12%	-6.12%		
RE GS 10 Cherokee	76,685,136	N/A						
RE AM Sarasota Bay	19,007,799	N/A	-28.21%	-28.21%				
RE CB CAL 120E Grand	49,835,258	N/A						
RE EQUITY FUNDS & CO-INVESTS	1,962,800,925	N/A	1.25%	2.24%	0.17%	0.17%	6.99%	10.1
HIG Europe RE II	102,162,575	N/A	1.48%	-0.71%	2.23%	2.23%	10.15%	15.2
Harbert Europe RE V	69,473,157	N/A	3.26%	2.44%	7.61%	7.61%	3.68%	9.2
Brookfield RE III	349,867,303	N/A N/A	2.48%	5.14%	8.19%	8.19%	11.07%	10.4
		,		0.25%	-4.32%			10.4
Realterm Log Inc	368,665,039	N/A	-0.33%		- ,-	-4.32%	5.08%	
Realterm Colnv	221,997,180	N/A	1.60%	4.12%	7.55%	7.55%	1	
Clarion Gables	335,001,244	N/A	0.22%	1.60%	-8.66%	-8.66%	1.90%	
Fairfield AHPF	202,405,411	N/A	1.06%	-1.39%	-1.10%	-1.10%		
CBRE Logistics	313,229,015	N/A	2.14%	3.93%	2.06%	2.06%		
RE DEBT INVESTMENTS •	1,411,084,249	N/A	2.20%	3.75%	8.87%	8.87%	9.86%	11.5
NCREIF TOTAL INDEX		N/A	0.78%	0.52%	-3.47%	-3.47%	0.87%	3.2
RE DEBT SEPARATE ACCTS •	1,329,033,541	N/A	2.21%	3.69%	8.99%	8.99%	9.82%	9.2
Heitman Capital	1,120,395,072	N/A	2.33%	4.41%	11.44%	11.44%	16.25%	13.1
Mesa West	160,366,926	N/A	1.24%	-0.15%	1.09%	1.09%	4.15%	
Crow Capital	48,271,542	N/A	3.20%	6.52%				
RE DEBT FUNDS & CO-INVESTS •	82,050,708	N/A	1.96%	4.28%	8.24%	8.24%	9.63%	
KCRED	82,050,708	N/A	1.96%	4.28%	8.24%	8.24%		
REITS •	826,641,423	N/A	15.61%	16.45%	32.91%	32.91%	4.82%	6.2
MSCI US REIT •		N/A	16.12%	16.21%	34.38%	34.38%	4.98%	5.4
AEW Dom RE Securities	586,959,742	N/A	15.37%	16.50%	32.35%	32.35%	4.45%	51.
	555,757,742	11/5			02.00 /0	02.00/0		

		12/31/2024 Market Value*	(A) 1 Month	(B) 3 Months	(C) FYTD	(D) CYTD	(E) 1 Year	(F) 3 Years	(G) 5 Years
	COME &						11.51%		
48 PRIVATE IN 49 PRIVATE IN		7,253,674,296	<b>N/A</b> N/A	<b>4.18%</b> 3.35%	<b>6.08%</b> 5.47%	11.51% 12.28%	12.28%	<b>8.62%</b> 10.90%	<b>9.45</b> % 8.55%
	TRUCTURE •	4,360,268,247	N/A	5.90%	7.35%	13.63%	13.63%	11.93%	11.62%
	DGE GLOBAL PVT INFRA •		N/A	3.82%	5.54%	12.65%	12.65%	11.52%	7.90%
		4,023,037,536	N/A	5.53%	<b>7.49%</b>	13.08%	13.08%	12.06%	
	BRIDGE GLOBAL PVT INFRA • P II	36,517,886	N/A N/A	3.82% -0.65%	5.54% -0.52%	12.65% 13.96%	12.65% 13.96%	11.52% 10.93%	6.69%
	ateway IFR	36,568,562	N/A	-10.10%	-9.72%	-11.49%	-11.49%	-13.33%	-5.39%
56 <b>LS</b>	Power III	264,376,948	N/A	18.64%	28.80%	33.12%	33.12%	22.35%	19.82%
	orth Haven	16,627,303	N/A	7.43%	6.87%	2.70%	2.70%	6.74%	-3.99%
	P III P III Canary	212,769,994 137,052,816	N/A N/A	6.18% 10.19%	5.97% 6.14%	9.59% 9.51%	9.59% 9.51%	13.10% 14.00%	9.38% 10.09%
	M Fund II	232,147,672	N/A	1.57%	2.93%	7.25%	7.25%	7.36%	12.60%
	R Actis Energy 4	7,065,060	N/A	3.79%	0.48%	4.11%	4.11%	9.77%	7.96%
	R GIP III Zenith	262,062,551	N/A	3.35%	3.71%	8.65%	8.65%	9.76%	15.78%
	R Encap FM IV R Infrared V	15,143,936 64,693,030	N/A N/A	1.54% -0.26%	7.70% -12.38%	9.45% -12.34%	9.45% -12.34%	9.61% 12.26%	6.82% 7.15%
	R NHIP II Bison	41,722,547	N/A	-0.01%	-0.01%	-12.40%	-12.40%	-1.41%	-6.27%
66 <b>IF</b> I	R GIP III Stetson	712,956	N/A	24.72%	26.61%	45.35%	45.35%	62.17%	30.149
	orth Haven India	36,165,572	N/A	2.07%	3.19%	2.18%	2.18%	9.03%	7.65%
	R KKR Infrastructure III	169,443,647	N/A	1.47%	3.23%	17.41%	17.41%	15.41%	11.70%
	R Energy Spec VIII Power Bolt	48,354,655 123,610,340	N/A N/A	-0.34% -0.13%	8.77% -0.27%	8.95% -0.54%	8.95% -0.54%	23.50% 11.91%	7.35% 19.61%
	R LS Power IV	229,100,757	N/A	21.99%	28.93%	31.59%	31.59%	9.33%	40.789
	R EQT IV	221,321,419	N/A	4.85%	6.42%	14.08%	14.08%	10.19%	12.319
	R Meridiam III	87,877,240	N/A	6.85%	10.34%	24.20%	24.20%	15. <b>97</b> %	19.319
	R EQT IV Co-Invest	29,515,920	N/A	9.80%	9.22%	186.67%	186.67%	15.70%	
	R Peppertree VIII R NHIP III	114,366,532 244,304,653	N/A N/A	7.72% 0.94%	8.73% 2.83%	10.32% 6.52%	10.32% 6.52%	11.93% 9.61%	
	R GIP IV	495,612,778	N/A N/A	2.90%	5.71%	11.64%	11.64%	14.11%	
	R KKR Teemo II	105,291	N/A	-1.87%	3.79%	43.93%	43.93%	25.84%	
	cap ETF	13,863,936	N/A	3.90%	-0.74%	-0.89%	-0.89%	18.60%	
	R Digital II	82,231,739	N/A	1.71%	5.79%	9.52%	9.52%	8.13%	
	R EQT Infra V R NHIP III Tele	52,565,420 41,322,313	N/A N/A	4.16% 3.74%	6.55% 2.78%	15.66% 4.42%	15.66% 4.42%	12.71%	
	R Actis V	34,927,263	N/A	-0.11%	-1.79%	14.70%	14.70%		
	R HIG Infra	54,486,774	N/A	0.95%	9.30%	0.67%	0.67%		
35 <b>IFI</b>	R Stonepeak IV	65,836,691	N/A	1.30%	4.06%	9.10%	9.10%		
	R Peppertree IX	84,342,719	N/A	1.06%	2.28%	5.41%	5.41%		
	R KKR Gbl IV R KKR Pegasus	187,598,187	N/A N/A	5.25% 7.65%	8.08% 8.83%	13.85% 14.12%	13.85% 14.12%		
	R Antin Infra V	30,014,956 30,148,676	N/A N/A	4.67%	-2.32%	8.87%	8.87%		
	R EFM V	23,059,504	N/A	1.66%	19.34%	16.96%	16.96%		
91 IFI	R Brkshr Dig	42,121,588	N/A	0.35%	2.29%	11.56%	11.56%		
	cap ETF II	16,272,396	N/A	-1.44%	-3.27%	-8.29%	-8.29%		
	R KKR IV Denali R LS Power V	28,700,422 3,128,516	N/A N/A	6.51% 7.25%	7.51% -18.57%	18.20%	18.20%		
	R EQT Infra VI	13,204,434	N/A	5.46%	7.48%				
	R Peppertree X	20,293,716	N/A	-2.90%	-3.73%				
97 <b>IFI</b>	R EQT VI Colnv	27,314,821	N/A	8.12%					
	PEIF III	9,528,689	N/A						
	EPE CF R EnCap FM Sec	21,637,764 8,668,866	N/A N/A						
	D INFRASTRUCTURE •	337,230,711	N/A	10.68%	5.61%	20.96%	20.96%	10.60%	7.149
9 S&P (	GLOBAL LISTED INFRASTRUCTURE •		N/A	13.19%	15.83%	29.68%	29.68%	8.60%	5.97%
	zard Listed Infrastructure	337,230,711	N/A	10.68%	5.61%	20.96%	20.96%	10.59%	8.36%
	SE Core Developed Infra (Hedged)		N/A	13.60%	13.86%	29.28%	29.28%	8.44%	7.06%
	E CREDIT • ATER DIRECT LENDING •	2,019,288,423	N/A	1.85%	4.71%	9.17%	9.17%	7.58%	8.749
	line Credit Opportunities Fund	86,256,172	N/A N/A	2.65% -4.57%	5.35% -4.13%	11.73% -8.20%	11.73% -8.20%	9.96% -6.15%	9.47% -1.72%
	ıx III Mezzanine Debt	13,407,674	N/A						
06 Crest	line Opps Fund	45,254,669	N/A	-12.85%	-17.01%	<b>-26.97</b> %	<b>-26.97</b> %	-12.78%	-5.49%
	way Capital Mgmt - Direct PC	1,291,454,111	N/A	3.01%	7.38%	12.93%	12.93%	9.85%	11.929
08 Auda 09 Aurel	ıx IV Mezzanine Debt lius II	12,401,337 79,588,189	N/A N/A	-1.57% -2.46%	-1.96% -6.27%	-2.05% 2.17%	-2.05% 2.17%	6.28% 7.12%	8.91% 7.23%
	line SLF II	21,970,467	N/A	0.89%	1.38%	3.65%	3.65%	1.88%	6.24
	C Private Credit	263,343,624	N/A	3.18%	5.37%	11.96%	11.96%	8.06%	10.10
	pps Fund IV	52,376,185	N/A	-0.02%	0.72%	3.25%	3.25%	8.40%	
	SSG SLO III	29,188,328	N/A	0.52%	3.39%	9.22%	9.22%	4.46%	
	line SLF III pps V	46,882,166 39,935,664	N/A N/A	2.48% 3.04%	3.63% 5.32%	10.53% 12.16%	10.53% 12.16%		
6 CL DI		10,370,159	N/A	3.60%	<b>7.23</b> %	12.10 /0	12.10 /0		
7 CL DI		21,028,411	N/A	2.02%	4.42%				
8 PPD 9	Silver Pnt SCF III	30,985,077	N/A						
		874,117,626	N/A	1.40%	3.15%	6.77%	6.77%	1.72%	5.00
			N/A	3.35%	5.47%	12.28%	12.28%	10.90%	8.55
	rican Homes 4 Rent II Creeks Timber	112,542,257 131,103,577	N/A N/A	-1.62% 0.48%	0.39% 2.58%	2.05% 6.84%	2.05% 6.84%	4.08% 9.57%	8.94 <sup>9</sup> 5.88 <sup>9</sup>
	Athyrium III	8,153,916	N/A	-0.98%	-2.78%	-3.01%	-3.01%	-5.32%	0.28
	Broadriver III	72,047,941	N/A	0.57%	1.24%	1.67%	1.67%	3.69%	2.87
	ate Capital	49,945,501	N/A	-1.35%	-1.13%	-4.31%	-4.31%	<b>-9.82</b> %	5.27
	DCM Power Opps V	63,458,208	N/A	9.01%	14.85%	28.19%	28.19%	22.32%	14.199
	St Agriculture t Lending II	46,230,192 41,367,043	N/A N/A	0.13% 4.94%	-0.03% 7.90%	-0.66% 17.84%	-0.66% 17.84%	3.31% 7.33%	
-	t Lending II shorse Liquid IV	41,367,043 29,445,420	N/A N/A	4.94% -0.09%	-0.05%	0.94%	0.94%	7.33% 0.51%	
	ng Horse Colnvest	32,758,251	N/A	2.98%	4.08%	8.96%	8.96%	4.54%	
80 INC \	/iva 3	23,285,261	N/A	5.00%	-0.01%	18.05%	18.05%	9.37%	
	ncline Av II	45,697,538	N/A	2.71%	4.49%	10.96%	10.96%	6.55%	
	ehorse Liquid V	12,134,711	N/A	1.43%	3.74%	7.87%	7.87%		
33 HCP 3 34 NGP	Studio Fund RP II	61,161,609 48,494,606	N/A N/A	2.16% -1.37%	0.98% 6.18%	2.36% 8.21%	2.36% 8.21%		
					5.58%	6.13%	6.13%		
35 Sprot	T III	19,243,625	N/A	2.64%	0.00 /0	0.13 /0	0.13 /0		

		NOTES and REFERENCES
* Market Values	Reported market va of:	lues represent total fund holdings consistent with Financial Statements as of December 31, 2024, consisting
	97.94%	Alaska Permanent Fund
	1.18%	Alaska Mental Health Trust
All Benchmarks	applicable). Benchm	d by name reflect the current applicable benchmark per Investment Policy or by manager contract (where nark returns greater than one month may include different or additional indices applicable during the These can be found in the previous Investment Policies and Monthly Peformance Reports.
All Returns	All returns are provi 2020.	ded by Callan LLC, are annualized for periods greater than one year, and are net of fees as of July 1,
Lagged Returns		in the following asset classes, returns are lagged one quarter. Composites that incorporate these investmen chmarks are also lagged one quarter.
		Real Estate
		Private Equity and Special Opportunities Private Income
1 Passive Benchmark	60%	MSCI All-Country World Index IMI
09/30/2016 to date	20%	BB Global Aggregate Index
	10%	FTSE EPRA/NAREIT Rental Index
	10%	US TIPs
2 Performance Benchmark	32.0%	MSCI ACWI IMI
07/01/2024 to date	18.0%	Cambridge Private Equity (1 Q Lagged)
	9.35%	NCREIF Property (1 Q Lagged)
	5.5%	BB US Corporate
	5.5%	BB US Aggregate
	6.0% 4.0%	Cambridge Global Private Infrastructure (1 Q Lagged)
	2.0%	Cliffwater Direct Lending (1 Q Lagged) 90 Day T-Bills
	3.5%	HFRI EH Equity Market Neutral
	3.5%	HFRI Macro
	3.0%	BB Global Treasury ex-US Hedged
	1.0%	S&P 500
	2.0%	BB US BB HY
	2.0%	Barclays US Securitized
	1.65% 1.0%	MSCI US REIT (1 Q Lagged) BB US TIPS
	1.070	
3 Total Fund Return Objective	100%	Consumer Price Index (All Urban Consumers, U.S. City Average, All Items, Unadjusted Index) plus 5%
4 Fixed Income Penchmark	27.50/	DD LIS Americanste
4 Fixed Income Benchmark 07/01/2022 to date	27.5% 27.5%	BB US Aggregate BB US Corporate
	15.0%	BB Gbl. Treasury ex-US Hedged
	10.0%	BB US BB HY
	10.0%	Barclays US Securitized
	5.0%	90 Day T-Bills
	5.0%	BB US TIPS
5 Absolute Return Custom Benchmark	50%	HFRI EH Equity Market Neutral
07/01/2022 to date	50%	HFRI Macro
6 Real Estate Custom Benchmark	85%	NCREIF Property (1 Q Lagged)
07/01/2020 to date	15%	MSCI US REIT (1 Q Lagged)
7 Private Income Custom Benchmark	60%	Cambridge Global Private Infrastructure (1 Q Lagged)
07/01/2022 to date	40%	Cliffwater Direct Lending (1 Q Lagged)