LEGACY FUND INVESTMENT PERFORMANCE REPORT AS OF JULY 31, 2023

	July-23					Curre FYT		Prior FY		End	3 Years Ended		ears ded	
	Market Value Actu		Allocation Actual Policy Bench ⁽⁶⁾ (Month Gross ⁽¹⁾ Net		Gross ⁽¹⁾ Net		Gross ⁽¹⁾ Net		6/30/2023 Gross ⁽¹⁾ Net		6/30/2023 Gross ⁽¹⁾ Net	
TOTAL LEGACY FUND POLICY TARGET BENCHMARK	9,219,631,574	100.0%	100.0%	100.0%	1.74% 2.27%	1.71% 2.27%	1.74% 2.27%	1.71% 2.27%	8.37% 6.82%	8.19% 6.82%	6.28% 4.89%	6.06% 4.89%	5.68% 5.03%	5.47% 5.03%
ATTRIBUTION ANALYSIS					2.2170	2.2170	2.2170	<i>L.L170</i>	0.0270	0.02 /0	4.0070	4.0070	0.0070	0.0070
Asset Allocation					0.00%	0.00%	0.01%	0.01%	-0.13%	-0.13%	0.07%	0.07%	-0.05%	-0.05%
Manager Selection TOTAL RELATIVE RETURN					-0.52% -0.52%	-0.56% -0.56%	-0.53% -0.52%	-0.57% -0.56%	1.68% 1.55%	1.51% 1.37%	1.31% 1.38%	1.10% 1.17%	0.70% 0.65%	0.50% 0.44%
TOTAL RELATIVE RETORN					0.0270	0.5070	0.0270	0.5070	1.0070	1.07 /0	1.0070	1.17 /0	0.0370	0.4470
GLOBAL EQUITY	4,665,269,289	50.6%	53.5%	56.3%	3.27%	3.22%	3.27%	3.22%	16.74%		11.85%		7.59%	7.32%
Benchmark					3.93%	3.93%	3.93%	3.93%	15.37%	15.37%	11.14%	11.14%	7.46%	7.46%
PUBLIC EQUITY Benchmark	4,597,746,957	49.9%	46.5%	55.5%	3.35% 3.99%	3.30% 3.99%	3.35% 3.99%	3.30% 3.99%						
Delicililark														
Domestic Equity Benchmark	2,757,831,245	29.9%	27.5%	33.0%	3.32% 3.84%	3.26% 3.84%	3.32% 3.84%	3.26% 3.84%	19.08% 18.36%	18.89% 18.36%	14.45% 13.58%		10.02% 10.07%	9.77% 10.07%
LARGE CAP DOMESTIC EQUITY														
LA Capital Large Cap Growth	80,871,865	0.9%			3.12%	3.08%	3.12%	3.08%	26.06%		14.86%			
LSV Large Cap Value	-	0.0%			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
LA Capital 60% Large Cap/40% Large Cap Active Extension NTAM - Quant Enhanced	1,081,632,411 399.701.875	11.7% 4.3%			2.93% 3.44%	2.90% 3.36%	2.93% 3.44%	2.90% 3.36%	19.82% N/A	19.74% N/A	15.21% N/A	15.09% N/A	12.85% N/A	12.72% N/A
NTAM Common Russell 1000 Index Fund	375,431,185	4.1%			3.44%	3.44%	3.44%	3.44%	N/A	N/A	N/A	N/A	N/A	N/A
Parametric/Clifton Group Enhanced	406,232,967	4.4%			3.46%	3.46%	3.46%	3.46%	19.33%	19.33%	14.21%		12.03%	
TOTAL LARGE CAP DOMESTIC EQUITY Russell 1000	2,343,870,302	25.4%	23.4%	28.0%	3.20% 3.44%	3.17% 3.44%	3.20% 3.44%	3.17% 3.44%	20.11%	20.01% 19.36%	15.57% 14.09%	15.39%	12.23% 11.92%	12.06%
					3.44%	3.44%	3.44 70	3.44%	19.30%	19.30%	14.09%	14.09%	11.92%	11.92%
SMALL CAP DOMESTIC EQUITY		4 = 0 /			2 222/		0.000/		40	4= 0404	4.4.0004	40 4404		
Atlanta Capital Small Cap Equity Fund Riverbridge Small Cap Growth	134,134,712 133,530,749	1.5% 1.4%			2.98% 3.84%	2.66% 3.65%	2.98% 3.84%	2.66% 3.65%	16.57% 16.91%		14.08% N/A	13.41% N/A	N/A N/A	N/A N/A
Sycamore Small Cap Value	129,212,778	1.4%			4.88%	4.72%	4.88%	4.72%	13.22%		N/A	N/A	N/A	N/A N/A
NTAM Common Russell 2000 Index Fund	17,082,705	0.2%			6.14%	6.13%	6.14%	6.13%	N/A	N/A	N/A	N/A	N/A	N/A
TOTAL SMALL CAP DOMESTIC EQUITY	413,960,944	4.5%	4.1%	4.9%	3.97%	3.76%	3.97%	3.76%	15.09%	14.42%	10.87%	10.13%	3.76%	3.30%
Russell 2000					6.12%	6.12%	6.12%	6.12%	12.31%	12.31%	10.82%	10.82%	4.21%	4.21%
Total International Equity MSCI ACWI ex-US IMI (Net) (2)	1,839,870,364	20.0%	19.0%	22.5%	3.40% 4.20%	3.36% 4.20%	3.40% 4.20%	3.36% 4.20%	14.30% 13.09%	14.01% 13.09%				
International All Cap														
William Blair International Leaders	288,966,849	3.1%			0.84%	0.74%	0.84%	0.74%	17.15%	16.73%	5.03%	4.64%	5.89%	5.50%
Arrowstreet International Equity	425,046,331	4.6%			3.90%	3.86%	3.90%	3.86%	17.76%	17.26%	N/A	N/A	N/A	N/A
State Street MSCI ACWI ex-US Index	-	0.0%			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total International All Cap	714,013,180	7.7%	7.2%	8.5%	2.64%	2.57%	2.64%	2.57%	N/A	N/A	N/A	N/A	N/A	N/A
MSCI ACWI ex-US IMI (Net)					4.20%	4.20%	4.20%	4.20%	12.47%	12.41%	7.33%	7.33%	3.38%	3.38%

LEGACY FUND INVESTMENT PERFORMANCE REPORT AS OF JULY 31, 2023

	July-23							Current FYTD		Year 23	3 Years Ended		5 Ye	
		,	Allocation		Moi	nth				20	6/30/2023		6/30/2023	
	Market Value	Actual	Policy	Bench ⁽⁶⁾	Gross ⁽¹⁾	Net	Gross ⁽¹⁾	Net	Gross ⁽¹⁾	Net	Gross ⁽¹⁾	Net	Gross ⁽¹⁾	Net
Developed International Large Cap			-											
LSV International Large Cap Value	7,556	0.0%			1.33%	1.33%	1.33%	1.33%	N/A	N/A	N/A	N/A	N/A	N/A
State Street MSCI World ex-US Index	690,884,190	7.5%			3.24%	3.24%	3.24%	3.24%	N/A	N/A	N/A	N/A	N/A	N/A
Total Developed International Large Cap	690,891,746	7.5%	7.4%	8.7%	3.24%	3.24%	3.24%	3.24%	14.25%	14.06%	N/A	N/A	N/A	N/A
MSCI World Ex US					3.24%	3.24%								
Developed International Small Cap														
DFA International Small Cap Value (1)	52,369,113	0.6%			5.63%	5.63%	5.63%	5.63%	15.25%	15.25%	12.69%	12.69%	2.19%	2.19%
Vanguard International Explorer Fund (1)	-	0.0%			N/A	0.0070 N/A	0.0070 N/A	0.0076 N/A	N/A	N/A	N/A	N/A	N/A	N/A
State Street MSCI World ex-US Small Cap Index	23,499,599	0.3%			4.53%	4.53%	4.53%	4.53%	N/A	N/A	N/A	N/A	N/A	N/A
Wellington International Small Cap Opportunities	37,603,733	0.4%			2.20%	1.84%	2.20%	1.84%	N/A	N/A	N/A	N/A	N/A	N/A
Total Developed International Small Cap	113,472,446	1.2%	1.2%	1.4%	4.24%	4.12%	4.24%	4.12%	N/A	N/A	N/A	N/A	N/A	N/A
MSCI World Ex US Small Cap (3)	, ,				4.52%	4.52%	4.52%	4.52%	10.11%	10.11%	6.03%	6.03%	0.42%	0.42%
/														
Emerging Markets														
Axiom Emerging Markets Equity Fund	99,384,150	1.1%			3.91%	3.87%	3.91%	3.87%	N/A	N/A	N/A	N/A	N/A	N/A
DFA Emerging Markets All Cap Core	111,100,290	1.2%			5.50%	5.50%	5.50%	5.50%	N/A	N/A	N/A	N/A	N/A	N/A
DFA Emerging Markets Small Cap Portfolio (1)		0.0%			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
State Street MSCI Emerging Markets Ex China Index	76,310,095	0.8%			4.31%	4.31%	4.31%	4.31%	N/A	N/A	N/A	N/A	N/A	N/A
State Street MSCI China Index	34,698,458	0.4%			10.79%	10.79%	10.79%	10.79%	N/A	N/A	N/A	N/A	N/A	N/A
State Street MSCI Emerging Markets Index Total Emerging Markets Equity	321,492,993	0.0% 3.5%	3.3%	3.9%	N/A 5.16%	N/A 5.14%	N/A 5.16%	N/A 5.14%	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A
MSCI Emerging Markets Equity	321,492,993	3.5%	3.3%	3.9%	6.23%	6.23%	5.10%	5.14%	IN/A	IN/A	N/A	N/A	N/A	N/A
MOOI Emerging markets					0.2370	0.2370								
Global Equity Transition Account	45,348	0.0%	0.0%	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1 /	,													
PRIVATE EQUITY														
Sixth Street Partners - TAO (1)	67,522,332	0.7%			0.00%	0.00%	0.00%	0.00%	11.52%	11.52%	N/A	N/A	N/A	N/A
TOTAL PRIVATE EQUITY (1)	67,522,332	0.7%	7.0%	0.7%	0.00%	0.00%	0.00%	0.00%	4.30%	4.30%	N/A	N/A	N/A	N/A
GLOBAL FIXED INCOME	2,933,987,071	31.8%	28.5%	31.5%	0.25%	0.22%	0.25%	0.22%	1.40%	1.32%	-1.81%	-1.90%	2.19%	2.08%
Benchmark	2,000,001,011	01.070	20.070	01.070	0.31%	0.31%	0.31%	0.31%	-0.94%	-0.94%	-3.97%	-3.97%	0.77%	0.77%
					010170		010170							
CORE FIXED INCOME														
Western Asset U.S. Core Fixed Income	678,805,936	7.4%			0.22%	0.19%	0.22%	0.19%	-0.55%	-0.64%	-4.18%	-4.28%	0.91%	0.80%
Prudential Core Fixed Income	678,002,371	7.4%			0.09%	0.04%	0.09%	0.04%	0.62%	0.45%	-3.22%	-3.40%	1.60%	1.40%
PIMCO Core Plus Constrained	637,425,202	6.9%			0.16%	0.16%	0.16%	0.16%	N/A	N/A	N/A	N/A	N/A	N/A
PIMCO Distressed Senior Credit Opportunities II (1)	105,105,202	1.1%			0.96%	0.96%	0.96%	0.96%	5.07%	5.07%	5.03%	5.03%	4.77%	4.77%
PIMCO BRAVO II (1)	1,126,746	0.0%			0.00%	0.00%	0.00%	0.00%	-35.97%		-6.50%	-6.50%	-7.12%	-7.12%
State Street Credit Index	82,785,872	0.9%			0.33%	0.33%	0.33%	0.33%	N/A	N/A	N/A	N/A	N/A	N/A
State Street Gov Index Maguifo/Declaration Total Batum Bond Fund (1)	108,327,872	1.2%			-0.34%	-0.34%	-0.34%	-0.34%	N/A	N/A	N/A	N/A	N/A	N/A
Manulife/Declaration Total Return Bond Fund (1) State Street U.S. Govt Credit Bond Index	162,360,254	1.8% 0.0%			0.36% N/A	0.36% N/A	0.36% N/A	0.36% N/A	1.18% N/A	1.18% N/A	0.84% N/A	0.84% N/A	2.41% N/A	2.41% N/A
Allspring US Corporate Plus	210,550,190	2.3%			0.73%	0.67%	0.73%	0.67%	3.11%	2.97%		-1.58%	3.16%	2.98%
Total Core Fixed Income	2,664,489,646		13.5%	23.5%	0.73% N/A	0.67 % N/A	0.73% N/A	0.67 % N/A	N/A	2.97% N/A	-1.41% N/A	-1.56% N/A	3.10% N/A	2.96% N/A
Bloomberg Aggregate	2,007,700,040	20.0 /0	10.070	20.0 /0	-0.07%		-0.07%	-0.07%	-0.94%				0.77%	0.77%
						2.3.,0		2.2.,0		2.2.,0		2.2.,0	2	
	•					1	•		•	1	•	!		,

LEGACY FUND INVESTMENT PERFORMANCE REPORT AS OF JULY 31, 2023

							Curre	ent	Prior	Year	3 Ye	ears	5 Ye	ears
	July-23						FYT		FY		End		Ended	
		-	Allocation		Mor	nth					6/30/2023		6/30/2023	
	Market Value	Actual	Policy	Bench ⁽⁶⁾	Gross ⁽¹⁾	Net	Gross ⁽¹⁾	Net	Gross ⁽¹⁾	Net	Gross ⁽¹⁾	Net	Gross ⁽¹⁾	Net
HIGH YIELD FIXED INCOME														
Total High Yield Fixed Income	-	0.0%	5.0%	5.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
S&P LSTA Leveraged Loan B Index					1.43%	1.43%	1.43%	1.43%	11.57%	11.57%	6.53%	6.53%	4.49%	4.49%
PRIVATE CREDIT														
Ares ND Credit Strategies (1)	118,050,022	1.3%			0.00%	0.00%	0.00%	0.00%	7.74%	7.74%	10.03%	10.03%	7.92%	7.92%
Cerberus ND Private Credit Fund (1)	151,418,277	1.6%			0.64%	0.64%	0.64%	0.64%	7.89%	7.89%		8.81%	8.88%	8.88%
Total Private Credit	269,468,299	2.9%	10.0%	3.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
S&P LSTA Leveraged Loan B Index					1.43%	1.43%	1.43%	1.43%	11.57%	11.57%	6.53%	6.53%	4.49%	4.49%
Fixed Income Transition Account	29,126	0.0%	0.0%	0.0%	N/A	N/A								
GLOBAL REAL ASSETS	1,345,620,908	14.6%	10.0%	10.0%	0.01%	0.01%	0.01%	0.01%	-0.98%	-1.24%	5.85%	5.58%	5.77%	5.48%
Benchmark	1,040,020,000	14.070	10.070	10.070	-0.47%	-0.47%	-0.47%	-0.47%		-3.22%	4.20%	4.20%	4.49%	4.49%
DIVERSIFIED REAL ASSETS														
Western Asset US TIPS	383,025,880	4.2%	-0.4%	-0.4%	0.01%	-0.01%	0.01%	-0.01%	-0.91%	-1.00%	-0.20%	-0.30%	2.28%	2.17%
Bloomberg US Gov't Inflation Linked Bond Index (4)	000,020,000	7.270	0.470	0.470	0.06%	0.06%	0.06%	0.06%	-1.33%	-1.33%	-0.31%	-0.31%	2.42%	2.42%
Bloomberg 00 00V Filmadon Emica Bond index (4)					0.0070	0.0070	0.0070	0.0070	-1.5570	-1.5570	-0.5170	-0.5170	2.72/0	2.72/0
Grosvenor Customized Infrastructure Strategies II (1)	53,473,443	0.6%	0.6%	0.6%	0.00%	0.00%	0.00%	0.00%	16.30%	16.30%	17.22%	17.22%	14.55%	14.55%
Grosvenor Customized Infrastructure Strategies III (1)	42,664,146	0.5%	0.5%	0.5%	0.00%	0.00%	0.00%	0.00%	5.19%	5.19%		N/A	N/A	N/A
JP Morgan Infrastructure Investments Fund (IIF)	107,235,985	1.2%	1.2%	1.2%	0.03%	0.03%	0.03%	0.03%	12.50%			7.56%	7.62%	6.82%
ISQ Global Infrastructure Fund II (1)	78,837,174	0.9%	0.9%	0.9%	0.00%	0.00%	0.00%	0.00%	10.04%			14.21%	10.33%	10.33%
ISQ Global Infrastructure Fund III (1)	26,693,295	0.3%	0.3%	0.3%	0.06%	0.06%	0.06%	0.06%	1.78%	1.78%		N/A	N/A	N/A
Macquarie Infrastructure Partners IV (1)	91,879,327	1.0%	1.0%	1.0%	0.00%	0.00%	0.00%	0.00%	2.67%	2.67%		12.66%	N/A	N/A
Macquarie Infrastructure Partners V (1)	97,798,588	1.1%	1.1%	1.1%	0.00%	0.00%	0.00%	0.00%	6.21%	6.21%		N/A	N/A	N/A
50% NCREIF ODCE/50% CPI-U (lagged one quarter) (5)					-0.26%	-0.26%	-0.26%	-0.26%	-3.04%	-3.04%	6.49%	6.49%	4.98%	4.98%
TOTAL DIVERSIFIED REAL ASSETS	881,607,838	9.6%	5.0%	5.0%	0.01%	0.00%	0.01%	0.00%	4.33%	4.16%	5.28%	5.10%	5.80%	5.61%
Benchmark					-0.29%	-0.29%	-0.29%	-0.29%	-1.52%	-1.52%	2.89%	2.89%	3.77%	3.77%
REAL ESTATE														
J.P. Morgan U.S. Real Estate Income and Growth Domestic, LP	209,812,735	2.3%			0.04%	0.04%	0.04%	0.04%	-10.47%	-11.10%	7.57%	6.94%	5.65%	4.99%
Invesco Core Real Estate-USA, LP	211,489,434	2.3%			0.00%	0.00%	0.00%	0.00%	-9.83%	-10.10%	7.33%	6.99%	6.05%	5.70%
Invesco Real Estate U.S. Fund VI (1)	42,710,901	0.5%			0.00%	0.00%	0.00%	0.00%	N/A	N/A	N/A	N/A	N/A	N/A
TOTAL GLOBAL REAL ESTATE	464,013,070	5.0%	5.0%	5.0%	0.02%	0.02%	0.02%	0.02%	-9.57%	-9.99%	7.68%	7.21%	5.97%	5.48%
NCREIF Total Index					-0.66%	-0.66%	-0.66%	-0.66%	-6.60%	-6.60%	6.79%	6.79%	5.90%	5.90%
IN-STATE INVESTMENTS	219,624,929	2.4%	8.0%	2.3%	0.22%	0.22%	0.22%	0.22%	-0.98%	-1.24%	5.85%	5.58%	5.77%	5.48%
Benchmark					0.22%	0.22%	0.22%	0.22%	-3.22%	-3.22%	4.20%	4.20%	4.49%	4.49%
IN-STATE FIXED INCOME														
In-State Infrastructure Loans	-	0.0%	1.0%	0.0%	N/A	N/A	N/A	N/A	-0.91%	-1.00%	-0.20%	-0.30%	2.28%	2.17%
Bank of ND Match Loan CDs	180,100,395	2.0%	4.0%	2.0%	0.25%	0.25%	0.25%	0.25%	3.03%	3.03%		2.79%	2.95%	2.95%
TOTAL IN-STATE FIXED INCOME	180,100,395	2.0%	5.0%	2.0%	0.25%	0.25%	0.25%	0.25%	4.33%	4.16%	5.28%	5.10%	5.80%	5.61%
IN-STATE EQUITY														
50 South Capital 1889 Growth Fund (1)	39,524,534	0.4%			0.00%	0.00%	0.00%	0.00%	-14.24%	-14.24%	N/A	N/A	N/A	N/A
TOTAL IN-STATE EQUITY	39,524,534	0.4%	3.0%	0.2%	0.00%	0.00%	0.00%		-9.57%			7.21%	5.97%	5.48%

LEGACY FUND INVESTMENT PERFORMANCE REPORT AS OF JULY 31, 2023

								Current		Prior Year		3 Years		ars
		}	FYTD		FY23		Ended		Ended					
		<u>Allocation</u>			<u>Month</u>						6/30/2023		6/30/2	2023
	Market Value	Actual	Policy	Bench ⁽⁶⁾	Gross ⁽¹⁾	Net	Gross ⁽¹⁾	Net	Gross ⁽¹⁾	Net	Gross ⁽¹⁾	Net	Gross ⁽¹⁾	Net
CASH EQUIVALENTS														
Northern Trust-MFB NI Gov't Assets Portfolio (1)	20,236,254	0.2%			0.46%	0.46%	0.46%	0.46%	3.42%	3.42%		1.17%	1.37%	1.37%
Bank of ND	32,634,585	0.4%			0.44%	0.44%	0.44%	0.44%	3.82%	3.82%	1.37%	1.37%	1.57%	1.57%
TOTAL CASH EQUIVALENTS	52,870,839	0.6%	0.0%	0.0%	0.43%	0.43%	0.43%	0.43%	3.58%	3.58%	1.24%	1.24%	1.45%	1.45%
90 Day T-Bill					0.40%	0.40%	0.40%	0.40%	3.59%	3.59%	1.27%	1.27%	1.55%	1.55%
RESIDUAL HOLDINGS														
Residual Holdings Account	2,258,538	0.0%	0.0%	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Initial funding September 7, 2011.

NOTE: Monthly returns and market values are preliminary and subject to change.

- (1) All limited partnership-type (and mutual funds as of 7/1/14) investment returns will only be reported net of fees, which is standard practice by the investment consultant.
- (2) Prior to October 1, 2022, this benchmark was the MSCI World ex-US.
- (3) Prior to October 1, 2022, the benchmark was S&P BMI, EPAC, <\$2B
- (4) Prior to November 1, 2018, the benchmark was Bloomberg Global Inflation Linked Index.
- (5) Prior to July 1, 2018, the benchmark was CPI-W.
- (6) Adjusted policy percentage using corridor method of benchmarking.