

**LEGACY FUND
INVESTMENT PERFORMANCE REPORT AS OF OCTOBER 31, 2017**

	October-17					September-17					Current FYTD		Prior Year FY17		3 Years Ended 6/30/2017		5 Years Ended 6/30/2017	
	Allocation		Month			Allocation		Quarter			Returns		Returns					
	Market Value	Actual	Policy	Gross ⁽¹⁾	Net	Market Value	Actual	Policy	Gross ⁽¹⁾	Net	Gross ⁽¹⁾	Net	Gross ⁽¹⁾	Net	Gross ⁽¹⁾	Net	Gross ⁽¹⁾	Net
TOTAL LEGACY FUND	5,060,578,742	100.0%	100.0%	1.27%	1.23%	4,960,721,538	100.0%	100.0%	3.68%	3.64%	5.00%	4.92%	12.30%	12.03%	5.61%	5.36%	4.96%	4.76%
<i>POLICY TARGET BENCHMARK</i>				<i>0.85%</i>	<i>0.85%</i>				<i>3.14%</i>	<i>3.14%</i>	<i>4.02%</i>	<i>4.02%</i>	<i>9.91%</i>	<i>9.91%</i>	<i>4.42%</i>	<i>4.42%</i>	<i>3.84%</i>	<i>3.84%</i>
ATTRIBUTION ANALYSIS																		
Asset Allocation				0.00%	0.00%				-0.02%	-0.02%	-0.02%	-0.02%	-0.05%	-0.05%	-0.14%	-0.14%	-0.13%	-0.13%
Manager Selection				0.41%	0.38%				0.56%	0.52%	1.01%	0.93%	2.43%	2.16%	1.32%	1.08%	1.26%	1.06%
TOTAL RELATIVE RETURN				0.41%	0.38%				0.55%	0.51%	0.98%	0.90%	2.38%	2.12%	1.18%	0.94%	1.13%	0.93%
LARGE CAP DOMESTIC EQUITY																		
LA Capital Large Cap Growth	343,252,459	6.8%	6.6%	4.69%	4.69%	327,861,079	6.6%	6.6%	4.76%	4.70%	9.67%	9.62%	15.44%	15.21%	5.61%	5.61%	N/A	N/A
<i>Russell 1000 Growth</i>				3.88%	3.88%				5.90%	5.90%	10.00%	10.00%	20.42%	20.42%	5.61%	5.61%		
LSV Large Cap Value	335,044,226	6.6%	6.6%	1.96%	1.88%	328,850,348	6.6%	6.6%	5.54%	5.47%	7.61%	7.45%	22.06%	21.69%	8.32%	8.01%	N/A	N/A
<i>Russell 1000 Value</i>				0.73%	0.73%				3.11%	3.11%	3.86%	3.86%	15.53%	15.53%	7.36%	7.36%		
LA Capital 60% Large Cap/40% Large Cap Active Extension	215,113,337	4.3%	4.4%	3.03%	3.03%	208,792,006	4.2%	4.4%	3.99%	3.96%	7.14%	7.10%	15.00%	14.84%	9.67%	9.52%	N/A	N/A
<i>Russell 1000</i>				2.29%	2.29%				4.48%	4.48%	6.87%	6.87%	18.03%	18.03%	9.26%	9.26%		
Clifton Group Enhanced S&P 500	217,937,445	4.3%	4.4%	2.32%	2.32%	212,987,094	4.3%	4.4%	4.46%	4.52%	6.89%	6.95%	17.67%	17.39%	10.01%	9.87%	N/A	N/A
<i>S&P 500</i>				2.33%	2.33%				4.48%	4.48%	6.92%	6.92%	17.90%	17.90%	9.61%	9.61%		
TOTAL LARGE CAP DOMESTIC EQUITY	1,111,347,466	22.0%	22.0%	3.07%	3.05%	1,078,490,527	21.7%	22.0%	4.79%	4.75%	8.00%	7.95%	17.77%	17.51%	9.70%	9.48%	N/A	N/A
<i>Russell 1000</i>				2.13%	2.13%				4.48%	4.48%	6.70%	6.70%	18.03%	18.03%	9.26%	9.26%		
SMALL CAP DOMESTIC EQUITY																		
PIMCO - Research Affiliates Equity US Small	181,816,098	3.6%	4.0%	0.70%	0.64%	180,653,825	3.6%	4.0%	5.63%	5.56%	6.37%	6.24%	21.42%	21.12%	7.15%	6.86%	N/A	N/A
Clifton Group Enhanced Russell 2000	222,287,540	4.4%	4.0%	0.74%	0.74%	220,653,824	4.4%	4.0%	6.07%	5.96%	6.85%	6.74%	24.96%	24.35%	8.59%	8.16%	N/A	N/A
TOTAL SMALL CAP DOMESTIC EQUITY	404,103,638	8.0%	8.0%	0.72%	0.70%	401,307,648	8.1%	8.0%	5.87%	5.78%	6.64%	6.52%	23.34%	22.87%	8.08%	7.71%	N/A	N/A
<i>Russell 2000</i>				0.85%	0.85%				5.67%	5.67%	6.57%	6.57%	24.60%	24.60%	7.36%	7.36%		
INTERNATIONAL EQUITY																		
LSV International Large Cap Value	400,889,044	7.9%	8.0%	0.75%	0.65%	398,315,660	8.0%	8.0%	6.93%	6.83%	7.73%	7.52%	26.86%	26.38%	3.00%	2.60%	N/A	N/A
<i>MSCI EAFE</i>				1.52%	1.52%				5.40%	5.40%	7.00%	7.00%	20.27%	20.27%	1.15%	1.15%		
William Blair International Leaders	412,874,908	8.2%	8.0%	2.22%	2.12%	404,291,545	8.1%	8.0%	7.74%	7.64%	10.13%	9.92%	19.95%	19.56%	N/A	N/A	N/A	N/A
<i>MSCI ACWI ex-US IMI (Net)</i>				1.88%	1.88%				6.27%	6.27%	8.27%	8.27%	20.43%	20.43%				
DFA International Small Cap Value (1)	101,630,315	2.0%	2.0%	0.86%	0.86%	100,765,744	2.0%	2.0%	7.60%	7.60%	8.52%	8.52%	28.80%	28.80%	4.16%	4.16%	N/A	N/A
Vanguard International Explorer Fund (1)	103,042,926	2.0%	2.0%	1.82%	1.82%	101,205,397	2.0%	2.0%	7.99%	7.99%	9.96%	9.96%	26.60%	26.60%	5.69%	5.69%	N/A	N/A
<i>S&P/Citigroup BMI EPAC < \$2BN</i>				2.24%	2.24%				5.48%	5.48%	7.85%	7.85%	20.89%	20.89%	5.71%	5.71%		
TOTAL INTERNATIONAL EQUITY	1,018,437,192	20.1%	20.0%	1.45%	1.37%	1,004,578,346	20.3%	20.0%	7.42%	7.34%	8.98%	8.81%	24.26%	23.91%	2.86%	2.56%	N/A	N/A
<i>MSCI World Ex US (2)</i>				1.37%	1.37%				5.62%	5.62%	7.06%	7.06%	19.49%	19.49%	0.93%	0.93%		
FIXED INCOME																		
Western Asset U.S. Core Fixed Income	497,009,385	9.8%	10.5%	0.20%	0.20%	496,021,993	10.0%	10.6%	1.24%	1.20%	1.44%	1.40%	2.48%	2.35%	3.88%	3.73%	N/A	N/A
Prudential Core Plus Fixed Income	181,687,751	3.6%	2.8%	0.34%	0.34%	181,064,943	3.6%	2.8%	1.68%	1.61%	2.03%	1.96%	3.10%	2.83%	4.23%	3.96%	N/A	N/A
PIMCO Distressed Senior Credit Opportunities II (1)	49,566,303	1.0%	1.0%	0.71%	0.71%	49,217,599	1.0%	1.0%	4.24%	4.24%	4.98%	4.98%	17.08%	17.08%	8.43%	8.43%	N/A	N/A
PIMCO BRAVO II (1)	25,938,494	0.5%	0.5%	-3.63%	-3.63%	26,915,000	0.5%	0.5%	-3.97%	-3.97%	-7.45%	-7.45%	13.38%	13.38%	10.22%	10.22%	N/A	N/A
<i>Bloomberg Aggregate</i>				0.06%	0.06%				0.85%	0.85%	0.91%	0.91%	-0.31%	-0.31%	2.48%	2.48%		
Declaration Total Return Bond Fund (1)	128,324,179	2.5%	2.5%	0.17%	0.17%	128,198,038	2.6%	2.6%	1.47%	1.47%	1.64%	1.64%	4.99%	4.99%	3.71%	3.71%	N/A	N/A
<i>3m LIBOR</i>				0.12%	0.12%				0.33%	0.33%	0.45%	0.45%	0.98%	0.98%	0.58%	0.58%		
State Street U.S. Govt Credit Bond Index	233,746,359	4.6%	4.9%	0.09%	0.08%	233,563,469	4.7%	4.9%	0.81%	0.81%	0.89%	0.89%	-0.43%	-0.46%	2.62%	2.58%	N/A	N/A
<i>Bloomberg Gov/Credit</i>				0.09%	0.09%				0.81%	0.81%	0.89%	0.89%	-0.23%	-0.23%	2.67%	2.67%		
Wells Capital Medium Quality Credit	503,558,963	10.0%	10.5%	0.41%	0.41%	501,496,258	10.1%	10.6%	1.85%	1.81%	2.27%	2.23%	5.23%	5.05%	4.44%	4.26%	N/A	N/A
<i>Bloomberg Credit Baa</i>				0.40%	0.40%				1.64%	1.64%	2.04%	2.04%	3.55%	3.55%	2.98%	2.98%		

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	Market Value	Allocation		Month		Market Value	Allocation		Quarter		Returns		Returns		Gross ⁽¹⁾	Net	Gross ⁽¹⁾	Net
		Actual	Policy	Gross ⁽¹⁾	Net		Actual	Policy	Gross ⁽¹⁾	Net	Gross ⁽¹⁾	Net	Gross ⁽¹⁾	Net				
Ares ND Credit Strategies	32,400,000	0.6%	0.6%	0.00%	0.00%	14,800,000	0.3%	0.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cerberus ND Private Credit Fund	14,753,871	0.3%	0.3%	2.46%	2.46%	14,400,000	0.3%	0.3%	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				0.60%	0.60%													
Bank of ND Match Loan CDs	63,288,805	1.3%	1.3%	0.22%	0.22%	64,217,890	1.3%	1.3%	0.71%	0.71%	0.93%	0.93%	N/A	N/A	N/A	N/A	N/A	N/A
TOTAL FIXED INCOME	1,730,274,110	34.2%	35.0%	0.23%	0.23%	1,709,895,189	34.5%	35.0%	1.47%	1.44%	1.71%	1.68%	3.68%	3.55%	4.10%	3.97%	N/A	N/A
Bloomberg Aggregate				0.06%	0.06%				0.85%	0.85%	0.91%	0.91%	-0.31%	-0.31%	2.48%	2.48%		
DIVERSIFIED REAL ASSETS																		
Western Asset Global Inflation Linked Plus, L.L.C.	330,267,256	6.5%	7.1%	-0.04%	-0.04%	345,503,670	7.0%	7.2%	2.23%	2.20%	2.20%	2.16%	0.95%	0.82%	0.25%	0.11%	N/A	N/A
Bloomberg Global Inflation Linked Index				-0.01%	-0.01%				2.22%	2.22%	2.21%	2.21%	0.91%	0.91%	-0.30%	-0.30%		
Grosvenor Customized Infrastructure Strategies II (1)	29,579,341	0.6%	0.6%	0.00%	0.00%	24,082,444	0.5%	0.5%	-0.25%	-0.25%	-0.25%	-0.25%	3.28%	3.28%	N/A	N/A	N/A	N/A
JP Morgan Infrastructure Investments Fund (IIF)	118,746,988	2.3%	2.3%	5.14%	4.94%	113,161,165	2.3%	2.3%	0.00%	0.02%	5.14%	4.96%	6.96%	6.27%	N/A	N/A	N/A	N/A
CPI				-0.15%	-0.15%				0.89%	0.89%	0.74%	0.74%	1.50%	1.50%				
TOTAL DIVERSIFIED REAL ASSETS	478,593,585	9.5%	10.0%	1.18%	1.13%	482,747,279	9.7%	10.0%	1.57%	1.56%	2.77%	2.71%	2.35%	2.10%	1.26%	1.03%	N/A	N/A
Benchmark				-0.05%	-0.05%				1.85%	1.85%	1.80%	1.80%	1.07%	1.07%	-0.20%	-0.20%		
REAL ESTATE																		
J.P. Morgan U.S. Real Estate Income and Growth Domestic, LP	139,836,487	2.8%	2.5%	2.13%	1.91%	137,219,677	2.8%	2.5%	0.00%	0.03%	2.13%	1.94%	8.94%	8.03%	11.88%	10.80%	N/A	N/A
Invesco Core Real Estate-USA, LP	128,779,436	2.5%	2.5%	0.00%	0.00%	128,779,436	2.6%	2.5%	1.46%	1.37%	1.46%	1.37%	8.53%	8.16%	11.90%	11.52%	N/A	N/A
TOTAL REAL ESTATE	268,615,923	5.3%	5.0%	1.10%	0.98%	265,999,113	5.4%	5.0%	0.70%	0.68%	1.81%	1.67%	8.75%	8.09%	11.81%	11.09%	N/A	N/A
NCREIF Total Index				0.56%	0.56%				1.70%	1.70%	2.27%	2.27%	6.97%	6.97%	10.17%	10.17%		
CASH EQUIVALENTS																		
Northern Trust-MFB NI Gov't Assets Portfolio (1)	33,837,689			0.07%	0.07%	9,315,183			0.20%	0.20%	0.26%	0.26%	0.32%	0.32%	0.15%	0.15%	N/A	N/A
Bank of ND	15,369,138			0.10%	0.10%	8,388,252			0.29%	0.29%	0.38%	0.38%	N/A	N/A	N/A	N/A	N/A	N/A
TOTAL CASH EQUIVALENTS	49,206,827	1.0%	0.0%	0.08%	0.08%	17,703,435	0.4%	0.0%	0.24%	0.24%	0.32%	0.32%	0.44%	0.44%	0.19%	0.19%	0.16%	0.16%
90 Day T-Bill				0.09%	0.09%				0.26%	0.26%	0.35%	0.35%	0.49%	0.49%	0.23%	0.23%	0.17%	0.17%

Initial funding September 7, 2011.

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

Effective July 1, 2013, net of fee returns are calculated on a cash basis in the month paid. Prior years were accrual based and split evenly over the 12 months of the fiscal

(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) This benchmark was changed to the MSCI World ex-US as of July 1, 2016 and the MSCI EAFE (unhedged) as of April 1, 2011.