

**ND TEACHERS FUND FOR RETIREMENT
INVESTMENT PERFORMANCE REPORT AS OF DECEMBER 31, 2015**

	December-15					September-15					Current Fiscal YTD		Prior Year FY15		3 Years Ended 6/30/2015		5 Years Ended 6/30/2015	
	Allocation		Quarter			Allocation		Quarter			Gross ⁽⁵⁾	Net	Gross ⁽⁵⁾	Net	Gross ⁽⁵⁾	Net	Gross ⁽⁵⁾	Net
	Market Value	Actual	Policy	Gross ⁽⁵⁾	Net	Market Value	Actual	Policy	Gross ⁽⁵⁾	Net								
TOTAL FUND	2,036,260,471	100.0%	100.0%	2.78%	2.72%	1,986,019,289	100.0%	100.0%	-4.84%	-4.98%	-2.20%	-2.40%	3.86%	3.52%	11.43%	11.09%	11.38%	11.01%
<i>POLICY TARGET BENCHMARK</i>				<i>2.68%</i>	<i>2.68%</i>				<i>-4.55%</i>	<i>-4.55%</i>	<i>-2.00%</i>	<i>-2.00%</i>	<i>2.16%</i>	<i>2.16%</i>	<i>9.80%</i>	<i>9.80%</i>	<i>9.97%</i>	<i>9.97%</i>
ATTRIBUTION ANALYSIS																		
Asset Allocation				-0.05%	-0.05%				-0.09%	-0.09%	-0.14%	-0.14%	-0.05%	-0.05%	0.08%	0.08%	0.05%	0.05%
Manager Selection				0.13%	0.07%				-0.21%	-0.37%	-0.06%	-0.26%	1.75%	1.41%	1.56%	1.21%	1.36%	0.99%
TOTAL RELATIVE RETURN				0.10%	0.04%				-0.29%	-0.43%	-0.20%	-0.40%	1.70%	1.36%	1.64%	1.29%	1.41%	1.04%
GLOBAL EQUITIES	1,161,761,495	57.1%	57.0%	4.54%	4.49%	1,097,668,560	55.3%	57.0%	-8.57%	-8.74%	-4.42%	-4.64%	3.51%	3.17%	14.76%	14.38%		
<i>Benchmark</i>				<i>52.0%</i>	<i>4.45%</i>				<i>52.0%</i>	<i>-8.36%</i>	<i>-4.29%</i>	<i>-4.29%</i>	<i>1.55%</i>	<i>1.55%</i>	<i>13.53%</i>	<i>13.53%</i>		
Epoch (1)	144,025,383	7.1%	7.0%	6.16%	6.00%	128,772,115	6.5%	7.0%	-9.22%	-9.36%	-3.63%	-3.92%	8.58%	7.85%	15.77%	15.00%	14.20%	13.31%
LSV	180,488,846	8.9%	9.0%	3.82%	3.80%	164,243,668	8.3%	9.0%	-10.91%	-11.61%	-7.50%	-8.25%	1.94%	1.03%	N/A	N/A	N/A	N/A
Total Global Equities	324,514,228	15.9%	16.0%	4.84%	4.75%	293,015,783	14.8%	16.0%	-10.15%	-10.64%	-5.81%	-6.39%	4.68%	3.84%	12.99%	12.57%		
<i>MSCI World</i>				<i>5.50%</i>	<i>5.50%</i>				<i>-8.45%</i>	<i>-8.45%</i>	<i>-3.41%</i>	<i>-3.41%</i>	<i>1.43%</i>	<i>1.43%</i>	<i>14.27%</i>	<i>14.27%</i>		
Domestic - broad	451,887,337	22.2%	21.5%	5.83%	5.80%	439,881,961	22.1%	21.5%	-7.15%	-7.21%	-1.74%	-1.83%	8.65%	8.47%	19.06%	18.77%		
<i>Benchmark</i>				<i>5.86%</i>	<i>5.86%</i>				<i>-7.99%</i>	<i>-7.99%</i>	<i>-2.60%</i>	<i>-2.60%</i>	<i>7.26%</i>	<i>7.26%</i>	<i>17.81%</i>	<i>17.81%</i>		
Large Cap Domestic																		
LA Capital	135,611,261	6.7%	6.6%	6.66%	6.61%	131,644,819	6.6%	6.6%	-4.97%	-5.01%	1.37%	1.27%	12.76%	12.52%	19.03%	18.79%	19.06%	18.84%
<i>Russell 1000 Growth</i>				<i>7.32%</i>	<i>7.32%</i>				<i>-5.29%</i>	<i>-5.29%</i>	<i>1.64%</i>	<i>1.64%</i>	<i>10.56%</i>	<i>10.56%</i>	<i>17.99%</i>	<i>17.99%</i>	<i>18.59%</i>	<i>18.59%</i>
LA Capital	81,343,523	4.0%	3.3%	6.44%	6.41%	85,012,555	4.3%	3.3%	-5.26%	-5.29%	0.84%	0.78%	8.26%	8.12%	17.89%	17.73%	17.86%	17.64%
<i>Russell 1000</i>				<i>6.50%</i>	<i>6.50%</i>				<i>-6.83%</i>	<i>-6.83%</i>	<i>-0.78%</i>	<i>-0.78%</i>	<i>7.37%</i>	<i>7.37%</i>	<i>17.73%</i>	<i>17.73%</i>	<i>17.58%</i>	<i>17.58%</i>
Northern Trust	58,562,627	2.9%	3.3%	5.82%	5.82%	55,389,489	2.8%	3.3%	-6.50%	-6.50%	-1.06%	-1.06%	6.26%	5.89%	18.57%	18.03%	18.27%	17.86%
Clifton	78,174,728	3.8%	3.3%	7.18%	7.18%	72,953,298	3.7%	3.3%	-6.41%	-6.41%	0.31%	0.31%	7.43%	7.41%	17.27%	17.26%	N/A	N/A
<i>S&P 500</i>				<i>7.04%</i>	<i>7.04%</i>				<i>-6.44%</i>	<i>-6.44%</i>	<i>0.15%</i>	<i>0.15%</i>	<i>7.42%</i>	<i>7.42%</i>	<i>17.31%</i>	<i>17.31%</i>	<i>17.34%</i>	<i>17.34%</i>
Total Large Cap Domestic	353,692,138	17.4%	16.6%	6.53%	6.51%	345,000,161	17.4%	16.6%	-5.60%	-5.63%	0.57%	0.51%	9.48%	9.30%	19.06%	18.85%	17.97%	17.69%
<i>Russell 1000 (2)</i>				<i>6.50%</i>	<i>6.50%</i>				<i>-6.83%</i>	<i>-6.83%</i>	<i>-0.78%</i>	<i>-0.78%</i>	<i>7.37%</i>	<i>7.37%</i>	<i>17.73%</i>	<i>17.73%</i>	<i>17.57%</i>	<i>17.57%</i>
Small Cap Domestic																		
Callan (5)	48,911,315	2.4%	2.4%	2.84%	2.84%	46,649,166	2.3%	2.4%	-13.11%	-13.11%	-10.64%	-10.64%	3.98%	3.98%	18.49%	18.00%	17.77%	17.18%
Clifton	49,283,884	2.4%	2.4%	3.86%	3.86%	48,232,633	2.4%	2.4%	-11.70%	-12.03%	-8.29%	-8.63%	7.58%	7.17%	18.98%	18.44%	N/A	N/A
Total Small Cap Domestic	98,195,200	4.8%	4.8%	3.36%	3.36%	94,881,800	4.8%	4.8%	-12.39%	-12.56%	-9.45%	-9.62%	5.77%	5.57%	18.85%	18.34%	18.02%	17.48%
<i>Russell 2000</i>				<i>3.59%</i>	<i>3.59%</i>				<i>-11.92%</i>	<i>-11.92%</i>	<i>-8.75%</i>	<i>-8.75%</i>	<i>6.49%</i>	<i>6.49%</i>	<i>17.81%</i>	<i>17.81%</i>	<i>17.08%</i>	<i>17.08%</i>
International - broad	304,546,882	15.0%	14.5%	4.70%	4.65%	283,275,783	14.3%	14.5%	-11.23%	-11.27%	-7.05%	-7.15%	-2.62%	-2.82%	12.35%	11.91%		
<i>Benchmark</i>				<i>3.93%</i>	<i>3.93%</i>				<i>-11.68%</i>	<i>-11.68%</i>	<i>-8.21%</i>	<i>-8.21%</i>	<i>-4.34%</i>	<i>-4.34%</i>	<i>10.41%</i>	<i>10.41%</i>		
Developed International																		
Capital Group	57,752,164	2.8%	3.5%	4.83%	4.72%	55,120,535	2.8%	3.5%	-12.54%	-12.64%	-8.32%	-8.51%	-1.78%	-2.20%	13.07%	12.59%	9.84%	9.33%
<i>MSCI EAFE (3)</i>				<i>4.71%</i>	<i>4.71%</i>				<i>-10.23%</i>	<i>-10.23%</i>	<i>-6.01%</i>	<i>-6.01%</i>	<i>-4.22%</i>	<i>-4.22%</i>	<i>11.97%</i>	<i>11.97%</i>	<i>8.38%</i>	<i>8.38%</i>
NTGI	105,830,446	0.0%	5.9%	3.95%	3.95%	101,761,551	0.0%	5.9%	-10.53%	-10.54%	-7.00%	-7.01%	-4.98%	-5.01%	N/A	N/A	N/A	N/A
<i>MSCI World Ex US</i>				<i>3.92%</i>	<i>3.92%</i>				<i>-10.57%</i>	<i>-10.57%</i>	<i>-7.07%</i>	<i>-7.07%</i>	<i>-5.28%</i>	<i>-5.28%</i>				
DFA (5)	34,506,987	1.7%	1.2%	4.03%	4.03%	33,153,392	1.7%	1.2%	-9.22%	-9.22%	-5.56%	-5.56%	-3.27%	-3.27%	18.18%	17.71%	13.39%	12.81%
Wellington	43,846,166	2.2%	1.2%	10.83%	10.61%	39,621,941	2.0%	1.2%	-4.38%	-4.57%	5.98%	5.55%	0.53%	-0.31%	17.91%	16.99%	15.88%	14.97%
<i>S&P/Citigroup BMI EPAC < \$2BN</i>				<i>6.01%</i>	<i>6.01%</i>				<i>-8.35%</i>	<i>-8.35%</i>	<i>-2.84%</i>	<i>-2.84%</i>	<i>1.14%</i>	<i>1.14%</i>	<i>14.70%</i>	<i>14.70%</i>	<i>11.08%</i>	<i>11.08%</i>
Total Developed International	241,935,764	11.9%	11.8%	5.36%	5.29%	229,657,419	11.6%	11.8%	-9.84%	-9.90%	-5.01%	-5.13%	-3.10%	-3.34%	13.96%	13.52%	10.66%	10.22%
<i>MSCI EAFE (3)</i>				<i>4.71%</i>	<i>4.71%</i>				<i>-10.23%</i>	<i>-10.23%</i>	<i>-6.01%</i>	<i>-6.01%</i>	<i>-4.22%</i>	<i>-4.22%</i>	<i>11.97%</i>	<i>11.97%</i>	<i>8.38%</i>	<i>8.38%</i>
Emerging Markets																		
Axiom	46,741,446	2.3%	2.1%	2.03%	2.03%	40,078,834	2.0%	2.1%	-17.22%	-17.22%	-15.54%	-15.54%	N/A	N/A	N/A	N/A	N/A	N/A
DFA (5)	15,869,673	0.8%	0.7%	2.41%	2.41%	13,539,530	0.7%	0.7%	-15.45%	-15.45%	-13.42%	-13.42%	-1.73%	-1.73%	7.76%	7.30%	6.78%	6.17%
Total Emerging Markets	62,611,119	3.1%	2.8%	2.05%	2.05%	53,618,364	2.7%	2.8%	-16.82%	-16.82%	-15.11%	-15.11%	-0.86%	-0.88%	5.31%	4.89%	6.29%	5.75%
<i>MSCI Emerging Markets</i>				<i>0.66%</i>	<i>0.66%</i>				<i>-17.90%</i>	<i>-17.90%</i>	<i>-17.36%</i>	<i>-17.36%</i>	<i>-5.13%</i>	<i>-5.13%</i>	<i>3.71%</i>	<i>3.71%</i>	<i>3.75%</i>	<i>3.75%</i>

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	December-15					September-15					Current Fiscal YTD		Prior Year FY15		3 Years Ended 6/30/2015		5 Years Ended 6/30/2015		
	Allocation		Quarter			Allocation		Quarter			Gross ⁽⁵⁾	Net	Gross ⁽⁵⁾	Net	Gross ⁽⁵⁾	Net	Gross ⁽⁵⁾	Net	
	Market Value	Actual	Policy	Gross ⁽⁵⁾	Net	Market Value	Actual	Policy	Gross ⁽⁵⁾	Net									
Private Equity																			
Brinson 1998 Partnership Fund	56,976	0.0%		1.64%	1.64%	56,057	0.0%		0.77%	0.77%	2.43%	2.43%	-0.68%	-0.68%	5.58%	5.58%	3.14%	3.14%	
Brinson 1999 Partnership Fund	261,736	0.0%		7.01%	7.01%	244,585	0.0%		0.00%	0.00%	7.01%	7.01%	-17.94%	-17.94%	1.82%	1.82%	5.53%	5.53%	
Brinson 2000 Partnership Fund	644,370	0.0%		-2.10%	-2.10%	658,210	0.0%		0.00%	0.00%	-2.10%	-2.10%	-10.71%	-10.71%	0.79%	0.79%	6.58%	6.58%	
Brinson 2001 Partnership Fund	843,708	0.0%		-7.25%	-7.25%	909,654	0.0%		-3.82%	-3.82%	-10.79%	-10.79%	-0.25%	-0.25%	10.23%	10.23%	12.28%	12.28%	
Brinson 2002 Partnership Fund	394,497	0.0%		-1.79%	-1.79%	401,680	0.0%		0.00%	0.00%	-1.79%	-1.79%	-19.50%	-19.50%	0.74%	0.74%	9.23%	9.23%	
Brinson 2003 Partnership Fund	201,308	0.0%		-3.01%	-3.01%	207,554	0.0%		0.00%	0.00%	-3.01%	-3.01%	13.43%	13.43%	16.55%	16.55%	13.77%	13.77%	
Total Brinson Partnership Funds	2,402,595	0.1%		-3.03%	-3.03%	2,477,741	0.1%		-1.42%	-1.42%	-4.41%	-4.41%	-7.11%	-7.11%	5.43%	5.43%	9.40%	9.40%	
Brinson 1999 Non-US Partnership Fund	187,465	0.0%		15.12%	15.12%	162,843	0.0%		0.00%	0.00%	15.12%	15.12%	-13.15%	-13.15%	5.41%	5.41%	13.75%	13.75%	
Brinson 2000 Non-US Partnership Fund	333,370	0.0%		-5.83%	-5.83%	354,015	0.0%		0.00%	0.00%	-5.83%	-5.83%	-4.91%	-4.91%	-0.39%	-0.39%	5.62%	5.62%	
Brinson 2001 Non-US Partnership Fund	159,609	0.0%		-9.04%	-9.04%	175,476	0.0%		48.10%	48.10%	34.71%	34.71%	16.96%	16.96%	19.22%	19.22%	11.76%	11.76%	
Brinson 2002 Non-US Partnership Fund	512,313	0.0%		13.32%	13.32%	452,094	0.0%		-0.23%	-0.23%	13.06%	13.06%	-7.15%	-7.15%	2.03%	2.03%	8.69%	8.69%	
Brinson 2003 Non-US Partnership Fund	358,454	0.0%		2.75%	2.75%	348,843	0.0%		0.00%	0.00%	2.75%	2.75%	-2.02%	-2.02%	15.53%	15.53%	15.20%	15.20%	
Brinson 2004 Non-US Partnership Fund	243,228	0.0%		-5.10%	-5.10%	297,984	0.0%		0.00%	0.00%	-5.10%	-5.10%	-6.29%	-6.29%	11.90%	11.90%	11.38%	11.38%	
Total Brinson Non-US Partnership Fund	1,794,439	0.1%		2.39%	2.39%	1,791,254	0.1%		3.12%	3.12%	5.58%	5.58%	-4.47%	-4.47%	7.77%	7.77%	10.67%	10.67%	
Adams Street 2008 Non-US Partnership Fd	3,403,558	0.2%		8.80%	8.80%	3,241,442	0.2%		0.00%	0.00%	8.80%	8.80%	7.59%	7.59%	12.28%	12.28%	10.86%	10.86%	
Brinson BVCF IV	1,735,158	0.1%		-1.56%	-1.56%	1,762,714	0.1%		0.00%	0.00%	-1.56%	-1.56%	42.11%	42.11%	30.67%	30.67%	59.66%	59.66%	
Adams Street Direct Co-investment Fund	4,139,247	0.2%		6.06%	6.06%	4,572,826	0.2%		1.22%	1.14%	7.35%	7.26%	22.50%	22.23%	17.56%	17.24%	16.40%	16.21%	
Adams Street 2010 Direct Fund	661,074	0.0%		7.70%	7.70%	683,098	0.0%		4.25%	4.25%	12.27%	12.27%	4.61%	4.61%	13.41%	13.41%	10.50%	10.50%	
Adams Street 2010 Non-US Emerging Mkts	575,450	0.0%		6.99%	6.99%	508,910	0.0%		0.00%	0.00%	6.99%	6.99%	21.80%	21.80%	6.32%	6.32%	N/A	N/A	
Adams Street 2010 Non-US Developed Mkts	1,178,667	0.1%		6.67%	6.67%	1,076,088	0.1%		0.00%	0.00%	6.67%	6.67%	-2.43%	-2.43%	7.30%	7.30%	2.57%	2.57%	
Adams Street 2010 Partnership Fund	2,539,404	0.1%		6.21%	6.21%	2,361,805	0.1%		0.00%	0.00%	6.21%	6.21%	18.37%	18.37%	15.16%	15.16%	16.38%	16.38%	
Total Adams Street 2010 Funds	4,954,595	0.2%		6.56%	6.56%	4,629,902	0.2%		0.68%	0.68%	7.29%	7.29%	10.63%	10.63%	12.38%	12.38%	11.70%	11.70%	
Adams Street 2015 Global Fund	372,997	0.0%		N/A	N/A	-	0.0%		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Matlin Patterson Global Opportunities	5,582	0.0%		0.00%	0.00%	5,582	0.0%		0.00%	0.00%	0.00%	0.00%	1.12%	1.12%	6.13%	6.13%	-0.41%	-0.41%	
Matlin Patterson Global Opportunities II	743,424	0.0%		6.51%	6.51%	697,972	0.0%		0.00%	0.00%	6.51%	6.51%	19.60%	19.60%	-3.45%	-3.45%	-36.19%	-36.19%	
Matlin Patterson Global Opportunities III	12,243,586	0.6%		-4.67%	-4.67%	13,017,139	0.7%		-0.40%	-0.40%	-5.05%	-5.05%	-2.43%	-2.43%	8.43%	8.43%	23.76%	23.76%	
InvestAmerica (Lewis and Clark Fund)	1,254,599	0.1%		0.00%	0.00%	1,254,599	0.1%		0.00%	0.00%	0.00%	0.00%	-32.09%	-32.09%	-13.56%	-13.56%	-5.81%	-5.81%	
L&C II	4,345,137	0.2%		0.00%	0.00%	4,345,137	0.2%		0.00%	0.00%	0.00%	0.00%	-14.35%	-14.35%	-8.65%	N/A	-7.39%	N/A	
Hearthstone MSII	0	0.0%		0.00%	0.00%	0	0.0%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Hearthstone MSIII	68,216	0.0%		0.00%	0.00%	69,787	0.0%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	27.65%	27.65%	
Corsair III	6,306,837	0.3%		38.19%	38.19%	4,574,787	0.2%		-0.42%	-0.42%	37.60%	37.60%	-8.84%	-8.84%	-6.62%	-6.62%	-2.80%	-3.01%	
Corsair III - ND Investors LLC	5,100,374	0.3%		-0.22%	-0.22%	5,100,374	0.3%		-0.22%	-0.22%	-0.45%	-0.45%	-5.27%	-5.27%	0.45%	0.45%	1.21%	1.16%	
Corsair IV	10,865,441	0.5%		-4.27%	-4.27%	7,717,101	0.4%		-0.65%	-0.65%	-4.90%	-4.90%	29.73%	29.73%	17.74%	17.74%	5.16%	5.04%	
Capital International (CIPEF V)	4,200,626	0.2%		-25.36%	-25.36%	7,180,561	0.4%		-0.28%	-0.28%	-25.57%	-25.57%	-13.33%	-13.33%	-4.79%	-4.79%	3.06%	3.06%	
Capital International (CIPEF VI)	7,315,517	0.4%		-8.30%	-8.30%	6,996,408	0.4%		-1.10%	-1.10%	-9.31%	-9.31%	-21.71%	-21.71%	-16.95%	-16.95%	N/A	N/A	
EIG (formerly TCW)	6,481,778	0.3%		-19.35%	-19.35%	8,465,223	0.4%		0.64%	0.64%	-18.83%	-18.83%	-23.62%	-23.62%	-10.04%	-10.04%	-2.51%	-2.51%	
Quantum Resources	0	0.0%		-49.85%	-49.85%	245,386	0.0%		53.88%	53.88%	-22.82%	-22.82%	-42.83%	-42.83%	-13.53%	-13.53%	4.62%	4.62%	
Quantum Energy Partners	3,079,341	0.2%		-11.57%	-11.57%	3,349,097	0.2%		0.00%	0.00%	-11.57%	-11.57%	-19.31%	-19.31%	7.92%	7.92%	14.64%	14.64%	
Total Private Equity (5)	80,813,047	4.0%	5.0%	-3.57%	-3.57%	81,495,033	4.1%	5.0%	0.18%	0.18%	-3.39%	-3.40%	-5.37%	-5.38%	1.66%	1.64%	4.90%	4.89%	
GLOBAL FIXED INCOME																			
Benchmark	459,202,019	22.6%	22.0%	-0.50%	-0.55%	479,779,965	24.2%	22.0%	-1.07%	-1.13%	-1.56%	-1.67%	0.56%	0.30%	4.80%	4.56%			
				-1.05%	-1.05%				-0.30%	-0.30%	-1.34%	-1.34%	-2.22%	-2.22%	1.89%	1.89%			
Domestic Fixed Income																			
Benchmark	361,670,389	17.8%	17.0%	-0.41%	-0.45%	380,487,722	19.2%	17.0%	-0.77%	-0.83%	-1.17%	-1.27%	3.39%	3.16%	6.26%	6.05%			
				-0.99%	-0.99%				-0.58%	-0.58%	-1.56%	-1.56%	1.21%	1.21%	3.28%	3.28%			
Investment Grade Fixed Income																			
PIMCO (DiSCO II) (5)																			
BC Aggregate	38,646,095	1.9%	1.9%	1.49%	1.49%	35,546,002	1.8%	1.8%	0.39%	0.39%	1.89%	1.89%	4.32%	4.32%	15.85%	15.85%	N/A	N/A	
				-0.57%	-0.57%				1.23%	1.23%	0.65%	0.65%	1.85%	1.85%	1.82%	1.82%			
State Street																			
BC Long Treasuries	25,934,644	1.3%	1.2%	-1.38%	-1.39%	37,447,663	1.9%	1.2%	5.07%	5.07%	3.62%	3.60%	6.31%	6.28%	N/A	N/A	N/A	N/A	
				-1.38%	-1.38%				5.08%	5.08%	3.63%	3.63%	6.32%	6.32%					
PIMCO Unconstrained																			
3m LIBOR	30,870,589	1.5%	1.5%	1.41%	1.41%	37,042,749	1.9%	1.6%	-3.12%	-3.17%	-1.75%	-1.80%	1.34%	0.93%	N/A	N/A	N/A	N/A	
				0.09%	0.09%				0.08%	0.08%	0.17%	0.17%	0.26%	0.26%					
Declaration (Total Return) (5)																			
3m LIBOR	36,579,461	1.8%	1.4%	-0.54%	-0.54%	34,342,784	1.7%	1.4%	0.89%	0.89%	0.35%	0.35%	3.63%	3.63%	6.04%	6.04%	N/A	N/A	
				0.09%	0.09%				0.08%	0.08%	0.17%	0.17%	0.26%	0.26%	0.28%	0.28%			
JP Morgan																			
PIMCO	53,048,110	2.6%	2.4%	-0.50%	-0.55%	50,805,069	2.6%	2.4%	1.48%	1.38%	0.97%	0.82%	N/A	N/A	N/A	N/A	N/A	N/A	
	70,446,953	3.5%	3.6%	-0.02%	-0.02%	73,116,879	3.7%	3.6%	1.28%	1.24%	1.27%	1.22%	2.33%	2.15%	1.96%	1.79%	N/A	N/A	
BC Mortgage Backed Securities Index				-0.10%	-0.10%				1.30%	1.30%	1.20%	1.20%	2.28%	2.28%	1.92%	1.92%			
Total Investment Grade Fixed Income	255,525,850	12.5%	12.0%	0.12%	0.11%	268,301,146	13.5%	12.0%	1.03%	0.99%	1.14%	1.10%	3.65%	3.51%	4.80%	4.70%	5.37%	5.20%	
BC Aggregate				-0.57%	-0.57%				1.23%	1.23%	0.65%	0.65%	1.85%	1.85%	1.82%	1.82%	3.35%	3.35%	

**ND TEACHERS FUND FOR RETIREMENT
INVESTMENT PERFORMANCE REPORT AS OF DECEMBER 31, 2015**

	December-15					September-15					Current Fiscal YTD		Prior Year FY15		3 Years Ended 6/30/2015		5 Years Ended 6/30/2015		
	Allocation		Quarter			Allocation		Quarter			Gross ⁽⁵⁾	Net	Gross ⁽⁵⁾	Net	Gross ⁽⁵⁾	Net	Gross ⁽⁵⁾	Net	
	Market Value	Actual	Policy	Gross ⁽⁵⁾	Net	Market Value	Actual	Policy	Gross ⁽⁵⁾	Net									
Below Investment Grade Fixed Income																			
Loomis Sayles	84,524,115	4.2%	3.9%	-2.50%	-2.62%	94,708,561	4.8%	4.1%	-5.48%	-5.60%	-7.84%	-8.07%	1.33%	0.83%	8.97%	8.46%	9.68%	9.17%	
PIMCO (BRAVO II) (5)	19,780,578	1.0%	1.0%	1.62%	1.62%	15,571,369	0.8%	0.8%	0.00%	0.00%	1.62%	1.62%	10.36%	10.36%	N/A	N/A	N/A	N/A	
Goldman Sachs 2006 Fund (5)	596,793	0.0%	0.0%	4.80%	4.80%	620,889	0.0%	0.0%	-0.60%	-0.60%	4.17%	4.17%	25.65%	25.65%	23.19%	23.19%	14.06%	14.06%	
Goldman Sachs Fund V (5)	1,243,053	0.1%	0.1%	5.24%	5.24%	1,285,757	0.1%	0.1%	-2.06%	-2.06%	3.08%	3.08%	14.43%	14.43%	13.82%	13.82%	14.45%	14.45%	
Total Below Investment Grade Fixed Income	106,144,539	5.2%	5.0%	-1.65%	-1.75%	112,186,576	5.6%	5.0%	-4.70%	-4.80%	-6.27%	-6.47%	2.53%	2.09%	9.92%	9.45%	10.18%	9.76%	
BC High Yield 2% Issuer Constrained Index				-2.06%	-2.06%				-4.83%	-4.83%	-6.79%	-6.79%	-0.39%	-0.39%	6.81%	6.81%	8.58%	8.58%	
International Fixed Income	97,531,630	4.8%	5.0%	-0.80%	-0.89%	99,292,243	5.0%	5.0%	-2.19%	-2.27%	-2.97%	-3.15%	-9.37%	-9.73%	-0.26%	-0.61%			
Benchmark				-1.26%	-1.26%				0.64%	0.64%	-0.63%	-0.63%	-13.19%	-13.19%	-2.83%	-2.83%			
Developed Investment Grade Int'l FI																			
UBS Global (Brinson)	43,605,984	2.1%	2.5%	-1.20%	-1.28%	44,082,154	2.2%	2.5%	0.47%	0.39%	-0.73%	-0.90%	-13.46%	-13.82%	-3.22%	-3.52%	0.89%	0.59%	
BC Global Aggregate ex-US (4)				-1.26%	-1.26%				0.64%	0.64%	-0.63%	-0.63%	-13.19%	-13.19%	-2.83%	-2.83%	1.02%	1.02%	
Brandywine	53,925,646	2.6%	2.5%	-0.50%	-0.59%	55,210,089	2.8%	2.5%	-4.21%	-4.30%	-4.68%	-4.86%	-5.38%	-5.74%	2.62%	2.22%	6.47%	6.06%	
BC Global Aggregate (ex-US)				-0.92%	-0.92%				0.85%	0.85%	-0.08%	-0.08%	-7.10%	-7.10%	-0.81%	-0.81%	2.07%	2.07%	
Total Developed Investment Grade Int'l FI	97,531,630	4.8%	5.0%	-0.80%	-0.89%	99,292,243	5.0%	5.0%	-2.19%	-2.27%	-2.97%	-3.15%	-9.37%	-9.73%	-0.26%	-0.61%	3.75%	3.39%	
BC Global Aggregate ex-US				-1.26%	-1.26%				0.64%	0.64%	-0.63%	-0.63%	-13.19%	-13.19%	-2.83%	-2.83%	1.02%	1.02%	
GLOBAL REAL ASSETS	389,778,283	19.1%	20.0%	1.89%	1.79%	393,295,155	19.8%	20.0%	1.72%	1.57%	3.64%	3.39%	9.51%	9.11%	9.73%	9.33%			
Benchmark				1.71%	1.71%				1.61%	1.61%	3.35%	3.35%	8.78%	8.78%	8.47%	8.47%			
Global Real Estate																			
INVESCO - Core	96,230,689			2.49%	2.41%	86,623,568			2.96%	2.88%	5.53%	5.36%	16.38%	15.97%	13.53%	13.07%	14.95%	14.50%	
INVESCO - Fund II (5)	4,127,821			6.49%	6.49%	4,816,040			0.00%	0.00%	6.49%	6.49%	6.23%	6.23%	14.50%	14.50%	24.83%	24.83%	
INVESCO - Fund III (5)	12,110,464			2.11%	2.11%	14,794,442			0.00%	0.00%	2.11%	2.11%	18.70%	18.70%	17.92%	17.92%	N/A	N/A	
INVESCO - Fund IV (6)	7,735,323			-1.99%	-1.99%	10,556,491			0.07%	0.07%	-1.92%	-1.92%	N/A	N/A	N/A	N/A	N/A	N/A	
INVESCO - Asia Real Estate Fund (5)	3,288,319			37.25%	37.25%	2,527,266			-0.47%	-0.47%	36.61%	36.61%	16.19%	16.19%	8.12%	8.12%	3.24%	3.24%	
INVESCO - Asia Real Estate Fund III (6)	3,852,689			N/A	N/A	-			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
J.P. Morgan Strategic & Special Funds	80,645,448			3.46%	3.22%	79,445,809			3.82%	3.34%	7.41%	6.66%	14.71%	13.64%	14.81%	13.78%	15.68%	14.67%	
J.P. Morgan Alternative Property Fund	137,292			0.00%	0.00%	163,336			0.00%	0.00%	0.00%	0.00%	-33.28%	-33.28%	-7.13%	-7.16%	1.49%	1.30%	
J.P. Morgan Greater Europe Fund (5)	10,338,802			-6.19%	-6.19%	11,233,973			0.26%	0.26%	-5.94%	-5.94%	16.90%	16.90%	0.01%	0.01%	N/A	N/A	
J.P. Morgan Greater China Property Fund (5)	4,434,184			-0.65%	-0.65%	4,550,524			0.08%	0.08%	-0.57%	-0.57%	16.74%	16.74%	23.88%	23.88%	16.34%	16.34%	
Total Global Real Estate	222,901,030	10.9%	10.0%	2.54%	2.42%	214,711,448	10.8%	10.0%	2.54%	2.34%	5.15%	4.82%	15.79%	15.25%	14.51%	13.99%	16.05%	15.52%	
NCREIF TOTAL INDEX				2.91%	2.91%				3.09%	3.09%	6.09%	6.09%	12.98%	12.98%	11.63%	11.63%	12.72%	12.72%	
Timber																			
TIR - Teredo	14,928,805	0.7%		2.14%	2.14%	27,899,514	1.4%		0.00%	0.00%	2.14%	2.14%	15.52%	15.52%	9.18%	9.18%	6.18%	6.18%	
TIR - Springbank	54,230,247	2.7%		1.94%	1.94%	53,377,730	2.7%		0.02%	0.02%	1.97%	1.97%	-1.98%	-1.98%	-1.41%	-1.41%	-2.17%	-2.17%	
Total Timber (5)	69,159,052	3.4%	5.0%	2.01%	2.01%	81,277,245	4.1%	5.0%	0.01%	0.01%	2.03%	2.03%	3.95%	3.95%	2.37%	2.37%	6.10%	6.10%	
NCREIF Timberland Index				1.86%	1.86%				0.77%	0.77%	2.64%	2.64%	10.02%	10.02%	9.77%	9.77%	6.10%	6.10%	
Infrastructure																			
JP Morgan (Asian) (5)	13,159,751	0.6%		-4.97%	-4.97%	13,860,194	0.7%		-0.58%	-0.58%	-5.53%	-5.53%	-2.58%	-2.58%	7.80%	7.80%	4.26%	4.26%	
JP Morgan (IIF)	63,396,255	3.1%		0.36%	0.13%	63,344,719	3.2%		2.27%	2.07%	2.63%	2.20%	1.06%	0.23%	7.08%	6.12%	6.59%	5.44%	
Grosvenor (formerly Credit Suisse) (5)	17,581,302	0.9%		1.43%	1.43%	18,127,065	0.9%		-0.18%	-0.18%	1.24%	1.24%	5.37%	5.37%	9.19%	9.19%	N/A	N/A	
Grosvenor CIS II (6)	3,580,893	0.2%		15.09%	15.09%	1,974,484	0.1%		-2.94%	-2.94%	11.71%	11.71%	N/A	N/A	N/A	N/A	N/A	N/A	
Total Infrastructure	97,718,201	4.8%	5.0%	0.13%	-0.02%	97,306,462	4.9%	5.0%	1.33%	1.20%	1.46%	1.18%	1.23%	0.72%	7.58%	6.95%			
CPI				-0.80%	-0.80%				-0.49%	-0.49%	-1.29%	-1.29%	-0.38%	-0.38%	1.13%	1.13%			
Cash Equivalents																			
Northern Trust STIF	25,518,674			0.04%	0.04%	15,275,609			0.03%	0.03%	0.07%	0.07%	0.06%	0.06%	0.07%	0.07%	0.09%	0.09%	
Total Cash Equivalents	25,518,674	1.3%	1.0%	0.04%	0.04%	15,275,609	0.8%	1.0%	0.03%	0.03%	0.07%	0.07%	0.06%	0.06%	0.07%	0.07%	0.10%	0.10%	
90 Day T-Bill				0.03%	0.03%				0.01%	0.01%	0.04%	0.04%	0.02%	0.02%	0.06%	0.06%	0.08%	0.08%	

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

New asset class structure began October 1, 2011. Composite returns for new composites not available prior to that date.

Portfolios moved between asset classes will show historical returns in new position.

(1) Epoch was included in the Large Cap Domestic Equity composite through 12/31/11.

(2) Prior to January 1, 2012, the benchmark was S&P 500.

(3) This benchmark was changed to the MSCI EAFE (unhedged) as of April 1, 2011.

(4) Prior to December 1, 2009, the benchmark was the Citigroup World Gov't Bond Index ex-US

(5) 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.