

ND PUBLIC EMPLOYEES RETIREMENT SYSTEM
INVESTMENT PERFORMANCE REPORT AS OF FEBRUARY 28, 2014

	February-14					January-14					December-13					September-13					Current Fiscal YTD		Prior FY13		3 Years Ended 6/30/2013		5 Years Ended 6/30/2013		
	Allocation		Month			Allocation		Month			Allocation		Quarter			Allocation		Quarter			Gross (7)	Net	Gross (7)	Net	Gross	Net ROR	Gross	Net ROR	
	Market Value	Actual	Policy	Gross (8)	Net	Market Value	Actual	Policy	Gross (8)	Net	Market Value	Actual	Policy	Gross (8)	Net	Market Value	Actual	Policy	Gross (8)	Net									
TOTAL FUND	2,230,705,364	100.0%	100.0%	2.91%	2.86%	2,169,024,933	100.0%	100.0%	-1.61%	-1.62%	2,204,819,633	100.0%	100.0%	5.35%	5.28%	2,096,866,656	100.0%	100.0%	4.94%	4.84%	11.94%	11.68%	13.85%	13.50%	11.67%	11.31%	3.92%	3.45%	
<i>POLICY TARGET BENCHMARK</i>				2.95%	2.95%				-1.29%	-1.29%				4.78%	4.78%				4.96%	4.96%	11.78%	11.78%	13.85%	13.50%	10.91%	10.91%	5.49%	5.49%	
ATTRIBUTION ANALYSIS																													
Asset Allocation				0.06%	0.06%				-0.11%	-0.11%				0.12%	0.12%				0.04%	0.04%	0.10%	0.10%	0.04%	0.04%	-0.33%	-0.33%			
Manager Selection				-0.11%	-0.16%				-0.21%	-0.22%				0.45%	0.38%				-0.05%	-0.16%	0.06%	-0.19%	1.97%	1.62%	1.09%	0.72%			
TOTAL RELATIVE RETURN				-0.04%	-0.10%				-0.32%	-0.33%				0.56%	0.49%				-0.02%	-0.13%	0.17%	-0.09%	2.01%	1.66%	0.76%	0.39%			
GLOBAL EQUITIES Benchmark	1,321,505,767	59.2%	57.0%	4.24%	4.19%	1,275,367,921	58.8%	57.0%	-3.34%	-3.35%	1,317,195,887	59.7%	57.0%	8.02%	7.95%	1,244,643,746	59.4%	57.0%	7.63%	7.49%	17.15%	16.84%	19.13%	18.74%					
				4.51%	4.51%				-3.05%	-3.05%				7.32%	7.32%				7.43%	7.43%	16.81%	16.81%	17.87%	17.87%					
Epoch (1)	147,881,063	6.6%	7.0%	3.65%	3.49%	142,321,633	6.6%	7.0%	-4.30%	-4.30%	147,711,287	6.7%	4.5%	9.71%	9.51%	106,458,699	5.1%	4.5%	8.33%	8.13%	17.89%	17.28%	20.85%	20.10%	11.82%	11.41%	6.38%	5.23%	
Calamos	-	0.0%	0.0%	N/A	N/A	-	0.0%	0.0%	N/A	N/A	-	0.0%	1.5%	N/A	N/A	28,011,354	1.3%	1.5%	6.29%	6.29%	N/A	N/A	8.37%	7.65%	N/A	N/A	N/A	N/A	
LSV	222,747,754	10.0%	9.0%	4.56%	4.53%	219,681,281	10.1%	9.0%	-4.17%	-4.17%	227,698,242	10.3%	10.0%	9.38%	9.35%	218,221,572	10.4%	10.0%	8.71%	8.42%	19.14%	18.76%	N/A	N/A	N/A	N/A	N/A	N/A	
Total Global Equities	370,628,817	16.6%	16.0%	4.20%	4.12%	362,008,691	16.7%	16.0%	-4.22%	-4.22%	375,435,948	17.0%	16.0%	9.11%	9.00%	352,691,625	16.8%	16.0%	8.40%	8.16%	18.04%	17.58%	17.06%	16.32%					
<i>MSCI World (2)</i>				5.01%	5.01%				-3.70%	-3.70%				8.00%	8.00%				8.18%	8.18%	18.13%	18.13%	18.58%	18.58%					
Domestic - broad Benchmark	510,657,561	22.9%	21.5%	4.57%	4.53%	501,332,588	23.1%	21.5%	-2.96%	-2.97%	515,892,786	23.4%	21.5%	10.70%	10.65%	475,541,132	22.7%	21.5%	6.96%	6.83%	20.16%	19.90%	24.00%	23.68%					
				4.74%	4.74%				-2.03%	-2.03%				9.89%	9.89%				6.96%	6.96%	20.61%	20.61%	21.93%	21.93%					
Large Cap Domestic																													
LA Capital	149,560,586	6.7%	6.6%	4.48%	4.42%	141,960,900	6.5%	6.6%	-2.53%	-2.53%	145,906,750	6.6%	4.9%	11.42%	11.37%	143,656,357	6.9%	5.0%	6.66%	6.61%	21.03%	20.84%	18.86%	18.65%	19.03%	18.82%	7.30%	7.08%	
<i>Russell 1000 Growth</i>				5.15%	5.15%				-2.85%	-2.85%				10.44%	10.44%				8.11%	8.11%	21.96%	21.96%	17.07%	17.07%	18.68%	18.68%	7.47%	7.47%	
LA Capital	104,018,177	4.7%	3.3%	4.23%	4.20%	105,884,949	4.9%	3.3%	-3.73%	-3.73%	110,184,422	5.0%	2.8%	11.33%	11.29%	98,050,105	4.7%	2.9%	5.41%	5.38%	17.76%	17.65%	21.63%	21.44%	19.08%	18.81%	7.66%	7.39%	
<i>Russell 1000</i>				4.75%	4.75%				-3.19%	-3.19%				10.23%	10.23%				6.02%	6.02%	18.50%	18.50%	21.24%	21.24%	18.63%	18.63%	7.12%	7.12%	
Northern Trust	56,323,092	2.5%	3.3%	4.87%	4.77%	53,284,892	2.5%	3.3%	-3.37%	-3.37%	55,241,586	2.5%	2.5%	11.96%	11.96%	48,865,425	2.3%	2.3%	4.97%	4.79%	19.09%	18.78%	23.67%	23.35%	19.75%	19.49%	8.15%	7.95%	
Clifton	78,540,777	3.5%	3.3%	4.96%	4.66%	74,376,252	3.4%	3.3%	-2.99%	-2.99%	76,809,876	3.5%	6.3%	10.09%	10.09%	69,101,301	3.3%	6.4%	4.98%	4.98%	17.33%	17.33%	20.44%	20.43%	N/A	N/A	N/A	N/A	
<i>S&P 500</i>				4.57%	4.57%				-3.46%	-3.46%				10.51%	10.51%				5.24%	5.24%	17.42%	17.42%	20.60%	20.60%	18.45%	18.45%	7.01%	7.01%	
Total Large Cap Domestic	388,442,632	17.4%	16.6%	4.50%	4.46%	375,506,993	17.3%	16.6%	-3.08%	-3.08%	388,142,634	17.6%	16.6%	11.17%	11.14%	359,673,188	17.2%	16.6%	5.76%	5.71%	19.08%	18.93%	23.13%	22.92%	18.57%	18.23%	3.72%	3.28%	
<i>Russell 1000 (2)</i>				4.75%	4.75%				-3.19%	-3.19%				10.23%	10.23%				6.02%	6.02%	18.50%	18.50%	21.24%	21.24%	18.62%	18.62%	7.10%	7.10%	
Small Cap Domestic																													
SEI	5,371	0.0%	0.0%	-92.19%	-92.19%	68,559	0.0%	0.0%	22.96%	22.96%	106,285	0.0%	0.0%	0.17%	0.17%	105,031	0.0%	0.0%	-5.01%	-5.01%	-90.87%	-90.87%	386.46%	386.46%	46.90%	46.90%	19.57%	19.06%	
Callan	63,714,304	2.9%	2.4%	4.63%	4.57%	70,276,012	3.2%	2.4%	-2.72%	-2.78%	71,432,107	3.2%	2.4%	9.73%	9.54%	64,553,092	3.1%	2.4%	11.32%	11.12%	24.32%	23.74%	27.71%	27.01%	20.26%	19.54%	9.71%	9.16%	
Clifton	58,495,253	2.6%	2.4%	5.06%	5.06%	55,481,025	2.6%	2.4%	-2.47%	-2.47%	56,211,760	2.5%	2.4%	8.66%	8.66%	51,209,820	2.4%	2.4%	10.37%	9.78%	22.89%	22.23%	25.30%	24.72%	20.17%	19.68%	N/A	N/A	
Total Small Cap Domestic	122,214,929	5.5%	4.8%	4.78%	4.75%	125,825,596	5.8%	4.8%	-2.59%	-2.62%	127,750,152	5.8%	4.8%	9.25%	9.14%	115,867,944	5.5%	4.8%	10.88%	10.51%	23.64%	23.03%	26.86%	26.22%	20.05%	19.46%	10.58%	9.89%	
<i>Russell 2000</i>				4.71%	4.71%				1.97%	1.97%				8.72%	8.72%				10.21%	10.21%	27.93%	27.93%	24.21%	24.21%	18.67%	18.67%	8.77%	8.77%	
International - broad Benchmark	338,517,721	15.2%	14.5%	5.00%	4.94%	310,198,635	14.3%	14.5%	-3.76%	-3.76%	322,031,709	14.6%	14.5%	4.85%	4.77%	315,371,029	15.0%	14.5%	10.88%	10.76%	17.49%	17.20%	16.93%	16.20%					
				5.02%	5.02%				-4.61%	-4.61%				4.79%	4.79%				10.17%	10.17%	15.66%	15.66%	14.74%	14.74%					
Developed International																													
State Street	-	0.0%	0.0%	N/A	N/A	-	0.0%	0.0%	N/A	N/A	-	0.0%	1.2%	2.00%	1.98%	26,561,299	1.3%	1.2%	12.16%	12.16%	N/A	N/A	23.17%	22.63%	10.23%	9.54%	-1.10%	-1.80%	
<i>MSCI EAFE (3)</i>				0.00%	0.00%				0.00%	0.00%				5.71%	5.71%				11.56%	11.56%	17.94%	17.94%	18.62%	18.62%	10.04%	10.04%	-0.63%	-0.63%	
Capital Group	53,029,514	2.4%	3.3%	5.57%	5.47%	49,813,017	2.3%	3.3%	-3.82%	-3.82%	51,539,072	2.3%	7.4%	5.56%	5.44%	36,358,353	1.7%	2.3%	11.78%	11.65%	19.81%	19.43%	21.31%	20.83%	10.29%	9.77%	0.66%	0.12%	
<i>MSCI EAFE (4)</i>				5.56%	5.56%				-4.03%	-4.03%				5.71%	5.71%				11.56%	11.56%	19.48%	19.48%	18.62%	18.62%	8.10%	8.10%	-0.01%	-0.01%	
Clifton	-	0.0%	0.0%	N/A	N/A	376	0.0%	0.0%	N/A	N/A	55,301	0.0%	0.0%	N/A	N/A	107,787,838	5.1%	5.1%	11.99%	11.96%	N/A	N/A	17.25%	16.39%	9.03%	8.71%	N/A	N/A	
<i>MSCI EAFE</i>																			11.56%	11.56%	18.62%	18.62%	10.04%	10.04%					
NTGI	124,134,439	0.0%	5.5%	5.46%	5.46%	114,729,559	0.0%	5.5%	-4.04%	-4.04%	119,014,351	0.0%	0.0%	N/A	N/A	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	
<i>MSCI World Ex US</i>				5.46%	5.46%				-4.04%	-4.04%																			
DFA	39,829,770	1.8%	1.1%	6.88%	6.88%	36,922,672	1.7%	1.1%	-1.38%	-1.38%	37,																		

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	Allocation		Month			Allocation		Month			Allocation		Quarter			Allocation		Quarter			Gross (7)	Net	Gross (7)	Net	Gross	Net ROR	Gross	Net ROR	
	Market Value	Actual	Policy	Gross (8)	Net	Market Value	Actual	Policy	Gross (8)	Net	Market Value	Actual	Policy	Gross (8)	Net	Market Value	Actual	Policy	Gross (8)	Net									
GLOBAL REAL ASSETS	396,847,924	17.8%	20.0%	0.72%	0.69%	390,762,639	18.0%	20.0%	0.72%	0.69%	387,191,378	17.6%	20.0%	2.73%	2.63%	371,572,367	17.7%	20.0%	1.52%	1.44%	5.81%	5.54%	8.24%	7.86%					
Benchmark				0.99%	0.99%				1.00%	1.00%				2.58%	2.58%				1.61%	1.61%	6.32%	6.32%	8.09%	8.09%					
Global Real Estate																													
INVESCO - Core	76,217,681			0.00%	0.00%	76,217,682			0.00%	0.00%	76,084,870			3.37%	3.27%	73,410,545			2.25%	2.15%	5.69%	5.49%	13.36%	12.84%	15.85%	15.38%	0.04%	-0.46%	
INVESCO - Fund II (8)	12,205,145			0.00%	0.00%	12,205,145			2.03%	2.03%	11,941,359			5.18%	5.18%	11,312,308			0.00%	0.00%	7.32%	7.32%	23.44%	23.44%	35.58%	35.58%	-15.67%	-16.63%	
INVESCO - Fund III (9)	17,230,130			0.00%	0.00%	12,323,972			4.34%	4.34%	11,790,701			6.39%	6.39%	11,043,076			0.00%	0.00%	11.00%	11.00%	16.79%	16.79%	N/A	N/A	N/A	N/A	
INVESCO - Asia Real Estate Fund (8)	13,971,494			-1.01%	-1.01%	13,877,553			0.00%	0.00%	13,853,371			8.22%	8.22%	11,858,278			-1.09%	-1.09%	5.96%	5.96%	-5.61%	-5.61%	-4.32%	-4.32%	N/A	N/A	
J.P. Morgan Strategic & Special Funds	70,880,464			0.42%	0.42%	70,581,157			1.09%	0.86%	69,860,534			3.80%	3.55%	67,219,872			4.50%	4.26%	10.11%	9.36%	14.62%	13.66%	16.20%	15.23%	0.20%	-0.82%	
J.P. Morgan Alternative Property Fund	2,132,854			-12.18%	-12.18%	2,705,071			10.46%	10.46%	2,444,764			-10.37%	-10.37%	2,907,468			11.43%	11.43%	-3.12%	-3.12%	15.24%	15.13%	15.71%	15.35%	-6.30%	-7.55%	
J.P. Morgan Greater Europe Fund (8)	11,068,737			0.00%	0.00%	10,807,476			0.05%	0.05%	11,023,851			20.36%	20.36%	5,284,711			-0.04%	-0.04%	20.38%	20.38%	-48.64%	-48.64%	-106.48%	-106.48%	N/A	N/A	
J.P. Morgan Greater China Property Fund (8)	9,399,935			2.42%	2.42%	9,399,935			-2.10%	-2.10%	9,383,555			7.04%	7.04%	10,624,053			4.40%	4.40%	12.06%	12.06%	-4.51%	-4.51%	2.30%	2.30%	1.53%	0.33%	
Total Global Real Estate	213,106,441	9.6%	10.0%	0.05%	0.05%	208,117,990	9.6%	10.0%	0.75%	0.67%	206,383,006	9.4%	10.0%	4.67%	4.55%	193,660,311	9.2%	10.0%	2.56%	2.44%	8.20%	7.87%	11.04%	10.55%	15.90%	15.36%	-1.43%	-2.21%	
NCREIF TOTAL INDEX				0.84%	0.84%				0.84%	0.84%				2.53%	2.53%				2.59%	2.59%	6.95%	6.95%	10.72%	10.72%	13.14%	13.14%	2.79%	2.79%	
Timber																													
TIR - Teredo (7)	36,366,754	1.6%		0.00%	0.00%	38,387,232	1.8%		4.03%	4.03%	36,845,996	1.7%		-3.41%	-3.41%	37,896,788	1.8%		0.00%	0.00%	0.48%	0.48%	5.64%	5.64%	3.09%	3.09%	5.33%	5.20%	
TIR - Springbank	61,463,208	2.8%		0.00%	0.00%	61,463,208	2.8%		1.09%	1.09%	60,723,741	2.8%		-0.36%	-0.36%	60,554,198	2.9%		0.02%	0.02%	0.75%	0.75%	-2.45%	-2.45%	-3.02%	-3.02%	-4.88%	-4.92%	
Total Timber	97,829,963	4.4%	5.0%	0.00%	0.00%	99,850,440	4.6%	5.0%	2.20%	2.20%	97,569,737	4.4%	5.0%	-1.53%	-1.53%	98,450,986	4.7%	5.0%	0.01%	0.01%	0.65%	0.65%	0.58%	0.58%	3.71%	3.71%	0.47%	2.51%	
NCREIF Timberland Index(8)				1.94%	1.94%				1.94%	1.94%				5.92%	5.92%				1.05%	1.05%	11.22%	11.22%	9.35%	9.35%	3.71%	3.71%	0.47%	2.51%	
Infrastructure																													
JP Morgan (Asian)	15,181,582	0.7%		0.00%	0.00%	15,181,582	0.7%		0.08%	0.08%	15,135,755	0.7%		-4.34%	-4.34%	15,114,760	0.7%		0.11%	0.11%	-4.15%	-4.15%	23.99%	23.99%	6.83%	6.83%	N/A	N/A	
JP Morgan (IIF)	53,809,058	2.4%		5.41%	5.13%	51,184,698	2.4%		-1.73%	-1.69%	51,929,937	2.4%		5.56%	5.29%	48,849,229	2.3%		1.87%	1.65%	11.38%	10.61%	10.64%	9.57%	7.42%	6.12%	-0.12%	-1.56%	
Credit Suisse	16,920,881	0.8%		-0.23%	-0.23%	16,427,929	0.8%		0.00%	0.00%	16,172,944	0.7%		3.70%	3.70%	15,497,082	0.7%		-1.32%	-1.32%	2.10%	2.10%	9.43%	9.43%	N/A	N/A	N/A	N/A	
Total Infrastructure (8)	85,911,520	3.9%	5.0%	3.29%	3.12%	82,794,209	3.8%	5.0%	-1.06%	-1.04%	83,238,636	3.8%	5.0%	3.32%	3.14%	79,461,070	3.8%	5.0%	0.91%	0.77%	6.54%	6.07%	12.33%	11.60%					
CPI				0.36%	0.36%				0.38%	0.38%				-0.59%	-0.59%				0.23%	0.23%	0.38%	0.38%	1.75%	1.75%					
Cash Equivalents																													
Northern Trust STIF	13,406,030			0.00%	0.00%	22,823,103			0.00%	0.00%	23,871,430			0.01%	0.01%	32,972,019			0.01%	0.01%	0.02%	0.02%	0.10%	0.10%	0.12%	0.12%	0.33%	0.30%	
Total Cash Equivalents	13,406,030	0.6%	1.0%	0.00%	0.00%	22,823,103	1.1%	1.0%	0.00%	0.00%	23,871,430	1.1%	1.0%	0.01%	0.01%	32,972,019	1.6%	1.0%	0.01%	0.01%	0.02%	0.02%	0.10%	0.10%	0.13%	0.13%	0.35%	0.34%	
90 Day T-Bill				0.00%	0.00%				0.01%	0.01%				0.02%	0.02%				0.02%	0.02%	0.04%	0.04%	0.11%	0.11%	0.11%	0.11%	0.30%	0.30%	

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 December 1, 2004.
- (4) This benchmark was changed to the MSCI EAFE (unhedged) as of April 1, 2011.
- (5) Prior to January 1, 2005, the benchmark was the First Boston Convertible Index.
- (6) Prior to December 1, 2009, the benchmark was the Citigroup World Govt Bond Index ex-US.
- (7) Prior to June 1, 2006, the Teredo properties were under the management of RMK.
- (8) All limited partnership-type investments' returns will only be reported net of fees, which is standard practice by the investment consultant.

