

CITY OF BISMARCK DEFERRED SICK LEAVE FUND
INVESTMENT PERFORMANCE REPORT AS OF AUGUST 31, 2016

	August-16					July-16					Current FYTD		Prior Year FY16		3 Years Ended 6/30/2016		5 Years Ended 6/30/2016	
	Market Value	Allocation		Month		Market Value	Allocation		Month		Gross ⁽¹⁾	Net	Gross ⁽¹⁾	Net	Gross ⁽¹⁾	Net	Gross ⁽¹⁾	Net
		Actual	Policy	Gross ⁽¹⁾	Net		Actual	Policy	Gross ⁽¹⁾	Net								
TOTAL DEFERRED SICK LEAVE FUND	659,636	100.0%	100.0%	0.49%	0.43%	657,105	100.0%	100.0%	2.30%	2.30%	2.80%	2.74%	3.43%	3.26%	6.27%	6.09%	6.95%	6.75%
<i>POLICY TARGET BENCHMARK</i>				<i>0.04%</i>	<i>0.04%</i>				<i>1.79%</i>	<i>1.79%</i>	<i>1.83%</i>	<i>1.83%</i>	<i>3.13%</i>	<i>3.13%</i>	<i>5.08%</i>	<i>5.08%</i>	<i>5.05%</i>	<i>5.05%</i>
ATTRIBUTION ANALYSIS																		
Asset Allocation				0.00%	0.00%				0.00%	0.00%	0.00%	0.00%	0.02%	0.02%	-0.01%	-0.01%	0.03%	0.03%
Manager Selection				0.44%	0.39%				0.52%	0.52%	0.97%	0.91%	0.28%	0.11%	1.20%	1.03%	1.87%	1.67%
TOTAL RELATIVE RETURN				0.44%	0.39%				0.51%	0.51%	0.97%	0.91%	0.30%	0.13%	1.19%	1.01%	1.90%	1.70%
LARGE CAP DOMESTIC EQUITY																		
Los Angeles Capital	29,087	4.4%	4.5%	-0.40%	-0.45%	29,798	4.5%	4.5%	3.70%	3.70%	3.28%	3.23%	5.44%	5.24%	14.28%	14.07%	13.79%	13.58%
<i>Russell 1000 Growth</i>				-0.50%	-0.50%				4.72%	4.72%	4.20%	4.20%	3.02%	3.02%	13.07%	13.07%	12.35%	12.35%
LSV	30,099	4.6%	4.5%	0.97%	0.90%	28,811	4.4%	4.5%	4.30%	4.30%	5.31%	5.23%	-3.01%	-3.30%	10.08%	9.78%	11.91%	11.61%
<i>Russell 1000 Value</i>				0.77%	0.77%				2.90%	2.90%	3.70%	3.70%	2.86%	2.86%	9.87%	9.87%	11.35%	11.35%
LA Capital	19,564	3.0%	3.0%	0.63%	0.59%	19,765	3.0%	3.0%	2.67%	2.67%	3.32%	3.28%	5.96%	5.82%	12.61%	12.48%	13.05%	12.89%
<i>Russell 1000</i>				0.13%	0.13%				3.81%	3.81%	3.95%	3.95%	2.94%	2.94%	11.48%	11.48%	11.88%	11.88%
Clifton Group	19,619	3.0%	3.0%	0.19%	0.00%	19,738	3.0%	3.0%	3.75%	3.75%	3.95%	3.75%	5.29%	5.22%	12.07%	11.99%	12.53%	12.42%
<i>S&P 500</i>				0.14%	0.14%				3.69%	3.69%	3.83%	3.83%	3.99%	3.99%	11.66%	11.66%	12.10%	12.10%
TOTAL LARGE CAP DOMESTIC EQUITY	98,368	14.9%	15.0%	0.33%	0.25%	98,113	14.9%	15.0%	3.67%	3.67%	4.02%	3.94%	2.91%	2.72%	12.25%	12.05%	12.86%	12.65%
<i>Russell 1000</i>				0.13%	0.13%				3.81%	3.81%	3.95%	3.95%	2.94%	2.94%	11.48%	11.48%	12.11%	12.11%
SMALL CAP DOMESTIC EQUITY																		
PIMCO RAE (formerly Research Affiliates)	14,303	2.2%	2.5%	2.02%	1.95%	13,617	2.1%	2.5%	5.45%	5.45%	7.58%	7.51%	-3.87%	-4.14%	8.14%	7.81%	9.82%	9.43%
Clifton	18,975	2.9%	2.5%	1.95%	1.42%	19,124	2.9%	2.5%	6.06%	6.06%	8.12%	7.56%	-5.52%	-5.98%	8.43%	8.04%	9.67%	9.26%
TOTAL SMALL CAP DOMESTIC EQUITY	33,278	5.0%	5.0%	1.96%	1.62%	32,741	5.0%	5.0%	5.80%	5.80%	7.88%	7.52%	-4.85%	-5.27%	8.46%	8.09%	9.86%	9.45%
<i>Russell 2000</i>				1.77%	1.77%				5.97%	5.97%	7.84%	7.84%	-6.73%	-6.73%	7.09%	7.09%	8.35%	8.35%
INTERNATIONAL EQUITY																		
LSV	28,198	4.3%	4.0%	0.91%	0.82%	27,970	4.3%	4.0%	5.64%	5.64%	6.61%	6.51%	-11.21%	-11.55%	2.98%	2.58%	2.44%	2.00%
<i>MSCI EAFE</i>				0.07%	0.07%				5.07%	5.07%	5.14%	5.14%	-10.16%	-10.16%	2.06%	2.06%	1.68%	1.68%
William Blair	24,096	3.7%	4.0%	1.14%	1.11%	23,832	3.6%	4.0%	5.48%	5.48%	6.68%	6.64%	N/A	N/A	N/A	N/A	N/A	N/A
<i>MSCI ACWI ex-US IMI (Net)</i>				0.63%	0.63%				4.95%	4.95%								
DFA	6,931	1.1%	1.0%	4.18%	0.37%	6,905	1.1%	1.0%	4.18%	7.20%	7.60%	7.60%	-9.28%	-9.28%	6.22%	6.01%	4.41%	3.98%
Vanguard (1)	6,990	1.1%	1.0%	-0.18%	-0.18%	7,003	1.1%	1.0%	5.62%	5.62%	5.43%	5.43%	-7.27%	-7.27%	6.62%	6.48%	4.02%	3.77%
<i>S&P/Citigroup Broad Market Index < \$2BN</i>				-0.13%	-0.13%				6.06%	6.06%	5.92%	5.92%	-3.37%	-3.37%	7.29%	7.29%	7.29%	4.37%
TOTAL INTERNATIONAL EQUITY	66,215	10.0%	10.0%	0.82%	0.77%	65,710	10.0%	10.0%	5.74%	5.74%	6.61%	6.55%	-10.44%	-10.74%	3.31%	2.94%	2.74%	2.31%
<i>MSCI EAFE</i>				0.07%	0.07%				5.07%	5.07%	5.14%	5.14%	-10.16%	-10.16%	2.06%	2.06%	1.68%	1.68%

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		Actual	Policy	Gross ⁽¹⁾	Net		Actual	Policy	Gross ⁽¹⁾	Net								
FIXED INCOME																		
Western Asset	127,060	19.3%	20.0%	0.22%	0.19%	126,302	19.2%	20.1%	1.30%	1.30%	1.52%	1.49%	6.79%	6.64%	5.21%	5.07%	5.32%	5.16%
Prudential	45,423	6.9%	5.2%	0.19%	0.13%	45,179	6.9%	5.2%	1.39%	1.39%	1.58%	1.52%	7.12%	6.83%	5.36%	5.08%	5.51%	5.22%
PIMCO (DiSCO II) (1)	23,824	3.6%	3.6%	1.07%	1.07%	23,573	3.6%	3.6%	1.57%	1.57%	2.65%	2.65%	4.39%	4.39%	N/A	N/A	N/A	N/A
PIMCO (BRAVO II) (1)	13,253	2.0%	2.0%	0.00%	0.00%	13,253	2.0%	2.0%	0.00%	0.00%	0.00%	0.00%	7.02%	7.02%	N/A	N/A	N/A	N/A
BC Aggregate				-0.11%	-0.11%				0.63%	0.63%	0.52%	0.52%	6.00%	6.00%	4.06%	4.06%	3.76%	3.76%
Declaration (Total Return) (1) 3m LIBOR	32,931	5.0%	5.0%	0.57%	0.57%	32,621	5.0%	5.0%	1.02%	1.02%	1.60%	1.60%	2.59%	2.59%	N/A	N/A	N/A	N/A
				0.07%	0.07%				0.06%	0.06%	0.12%	0.12%	0.49%	0.49%				
State Street BC Gov/Credit	58,413	8.9%	9.1%	-0.20%	-0.21%	58,296	8.9%	9.1%	0.80%	0.80%	0.59%	0.58%	6.71%	6.68%	N/A	N/A	N/A	N/A
				-0.20%	-0.20%				0.80%	0.80%	0.59%	0.59%	6.70%	6.70%				
Wells Capital BC US Credit BAA	128,275	19.4%	20.0%	0.74%	0.70%	128,471	19.6%	20.1%	1.93%	1.93%	2.68%	2.63%	7.19%	6.99%	5.98%	5.79%	6.22%	6.01%
				0.54%	0.54%				1.59%	1.59%	2.14%	2.14%	6.93%	6.93%	4.90%	4.90%	5.33%	5.33%
TOTAL FIXED INCOME	429,178	65.1%	65.0%	0.39%	0.36%	427,694	65.1%	65.0%	1.37%	1.37%	1.76%	1.73%	6.42%	6.29%	5.50%	5.36%	6.23%	6.07%
BC Aggregate				-0.11%	-0.11%				0.63%	0.63%	0.52%	0.52%	6.00%	6.00%	4.06%	4.06%	3.76%	3.76%
CASH EQUIVALENTS																		
Northern Trust (1)	32,598			0.02%	0.02%	32,848			0.02%	0.02%	0.03%	0.03%	0.12%	0.12%	N/A	N/A	N/A	N/A
TOTAL CASH EQUIVALENTS	32,598	4.9%	5.0%	0.02%	0.02%	32,848	5.0%	5.0%	0.02%	0.02%	0.03%	0.03%	0.12%	0.12%	0.05%	0.05%	0.13%	0.13%
90 Day T-Bill				0.02%	0.02%				0.03%	0.03%	0.05%	0.05%	0.19%	0.19%	0.09%	0.09%	0.09%	0.09%

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 year.

(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.