
Investment Report

Prepared for:

NMU Great Lakes Pension Trust

For the period ending:

December 31, 2013

Prepared on:

January 31, 2014

Prepared by:

Quan-Vest Consultants, Inc.

390 Plandome Road

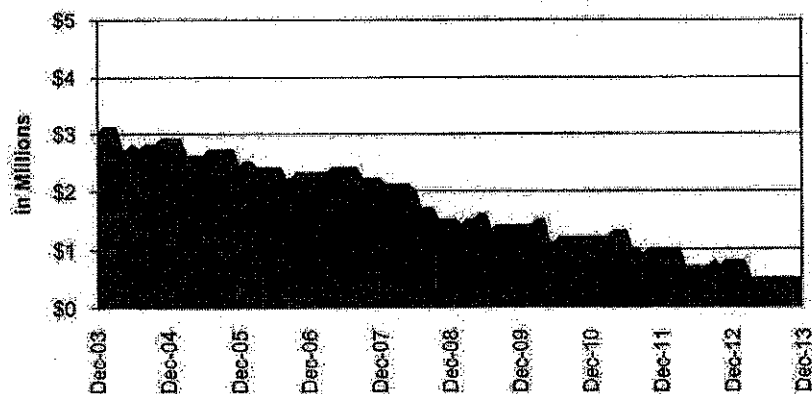
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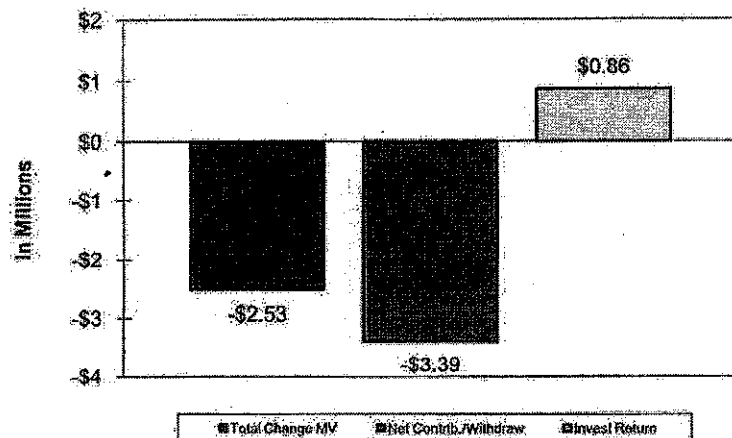
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NMU Great Lakes Pension Trust Market Value

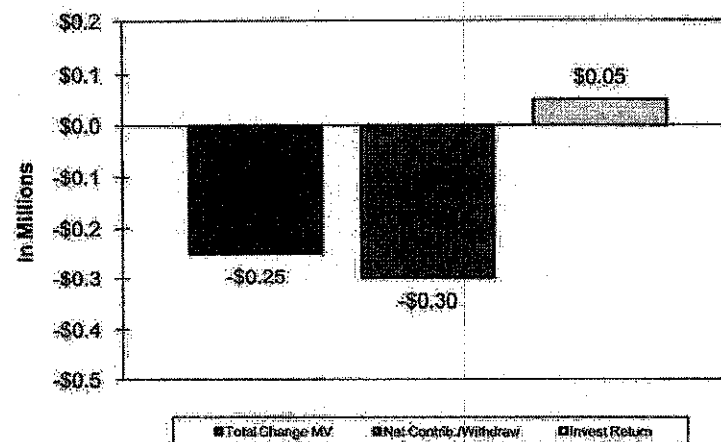
Market Value on: January 1, 2004 : \$3.0 Million
December 31, 2013 : \$0.5 Million



Change in Market Value
January 1, 2004 - December 31, 2013



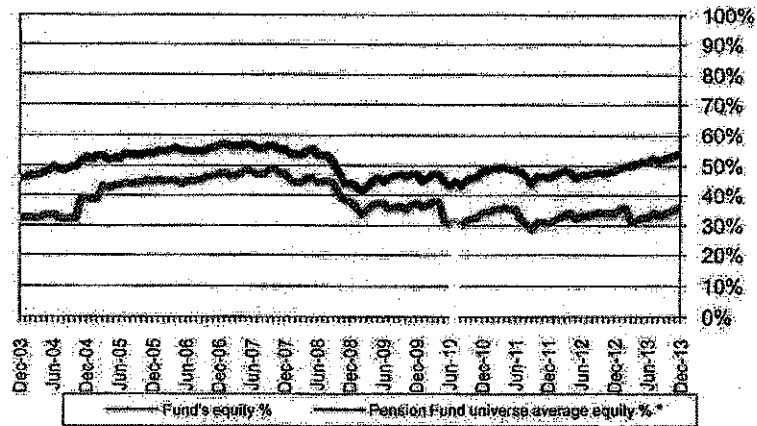
Change in Market Value
One Year Ending December 31, 2013



Investment returns include 1) dividends and interest earned and 2) realized and unrealized gains/losses. (figures may not add correctly due to rounding.)

NMU Great Lakes Pension Trust Asset Allocation

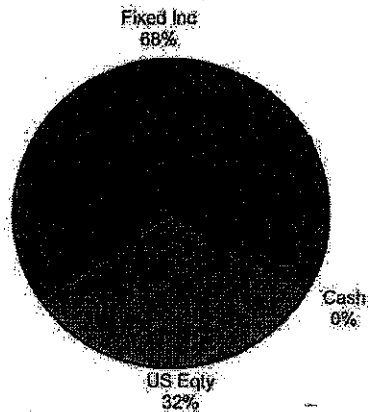
Equity Allocation on: January 1, 2004: 32.1%
December 31, 2013: 36.1%



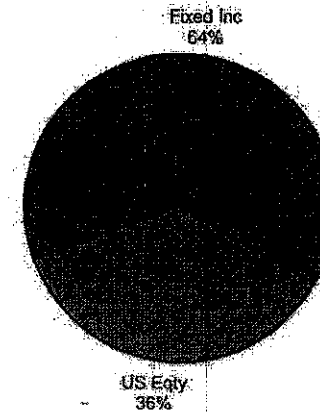
* Source: Quan-Vest Consultants, Inc.'s universe of Taft-Hartley defined benefit pension fund clients

	S&P 500	Aggregate	90-Day Bills
2004	10.9%	4.3%	1.1%
2005	4.9%	2.4%	2.8%
2006	15.8%	4.3%	4.6%
2007	5.5%	7.0%	5.0%
2008	-37.0%	5.2%	2.1%
2009	26.5%	5.9%	0.1%
2010	15.1%	6.5%	0.1%
2011	2.1%	7.8%	0.1%
2012	16.0%	4.2%	0.1%
2013	32.4%	-2.0%	0.1%

Asset Allocation on January 1, 2004



Asset Allocation on December 31, 2013



NMU Great Lakes Pension Trust
Market Values as of
December 31, 2013

	<u>Domestic Equity</u>	<u>Fixed Income</u>	<u>Total</u>	<u>% Total</u>
Invesco - Equity	\$181,181	\$ -	\$181,181	36.1%
Invesco - Fixed Income	\$ -	\$321,247	\$321,247	63.9%
Total	\$181,181	\$321,247	\$502,428	100.0%
Percentage of Portfolio	36.1%	63.9%	100.0%	
<i>Target Allocation</i>	<i>30%</i>	<i>70%</i>		
<i>Maximum Allocation</i>	<i>40%</i>	<i>80%</i>		
<i>Minimum Allocation</i>	<i>20%</i>	<i>60%</i>		

Percentages may not add to 100% due to rounding.

NMU Great Lakes Pension Trust
Consolidated Portfolio - Performance (Net) as of
December 31, 2013

Ten Year US 90-Day T-Bill Return = 1.58%	Three Month	Fiscal 7/1/13 To Date	One Year	Three Year	Five Year	Ten Year	2013	2012	2011	2010	2009
Total Fund Portfolio (\$502,428)	3.6%	5.7%	10.2%	8.2%	9.4%	5.3%	10.2%	8.5%	5.8%	7.8%	15.0%
Policy Index	3.0%	5.0%	7.4%	7.3%	8.7%	5.0%	7.4%	8.3%	6.1%	10.0%	11.9%
Passive Index	3.5%	5.6%	8.5%	7.4%	8.9%	5.2%	8.5%	7.8%	6.0%	9.2%	13.0%
US Equity Portfolio (\$181,181 - 36.1%)	11.1%	17.0%	35.4%	17.4%	16.8%	7.7%	35.4%	16.7%	2.4%	10.8%	21.3%
S&P 500	10.5%	16.3%	32.4%	16.2%	17.9%	7.4%	32.4%	16.0%	2.1%	15.1%	26.5%
Russell Midcap	8.4%	16.7%	34.8%	15.9%	22.4%	10.2%	34.8%	17.3%	-1.5%	25.5%	40.5%
Russell 2000	8.7%	19.8%	38.8%	15.7%	20.1%	9.1%	38.8%	16.4%	-4.2%	26.9%	27.2%
Russell 1000 Growth	10.4%	19.4%	33.5%	16.5%	20.4%	7.8%	33.5%	15.3%	2.6%	16.7%	37.2%
Russell 1000 Value	10.0%	14.3%	32.5%	16.1%	16.7%	7.6%	32.5%	17.5%	0.4%	15.5%	19.7%
Fixed Income Portfolio (\$321,247 - 63.9%)	-0.3%	0.2%	-2.5%	3.0%	5.4%	4.1%	-2.5%	4.8%	7.0%	7.3%	11.0%
BC Aggregate	-0.1%	0.4%	-2.0%	3.3%	4.4%	4.5%	-2.0%	4.2%	7.8%	6.5%	5.9%
BC 1-3 Yr Gov/Credit	0.2%	0.6%	0.6%	1.2%	2.0%	2.9%	0.6%	1.3%	1.6%	2.8%	3.8%
BC Treasury	-0.8%	-0.7%	-2.7%	2.9%	2.1%	4.2%	-2.7%	2.0%	9.8%	5.9%	-3.6%
BC Corp. High Yield	3.6%	5.9%	7.4%	9.3%	18.9%	8.6%	7.4%	15.8%	5.0%	15.1%	58.2%

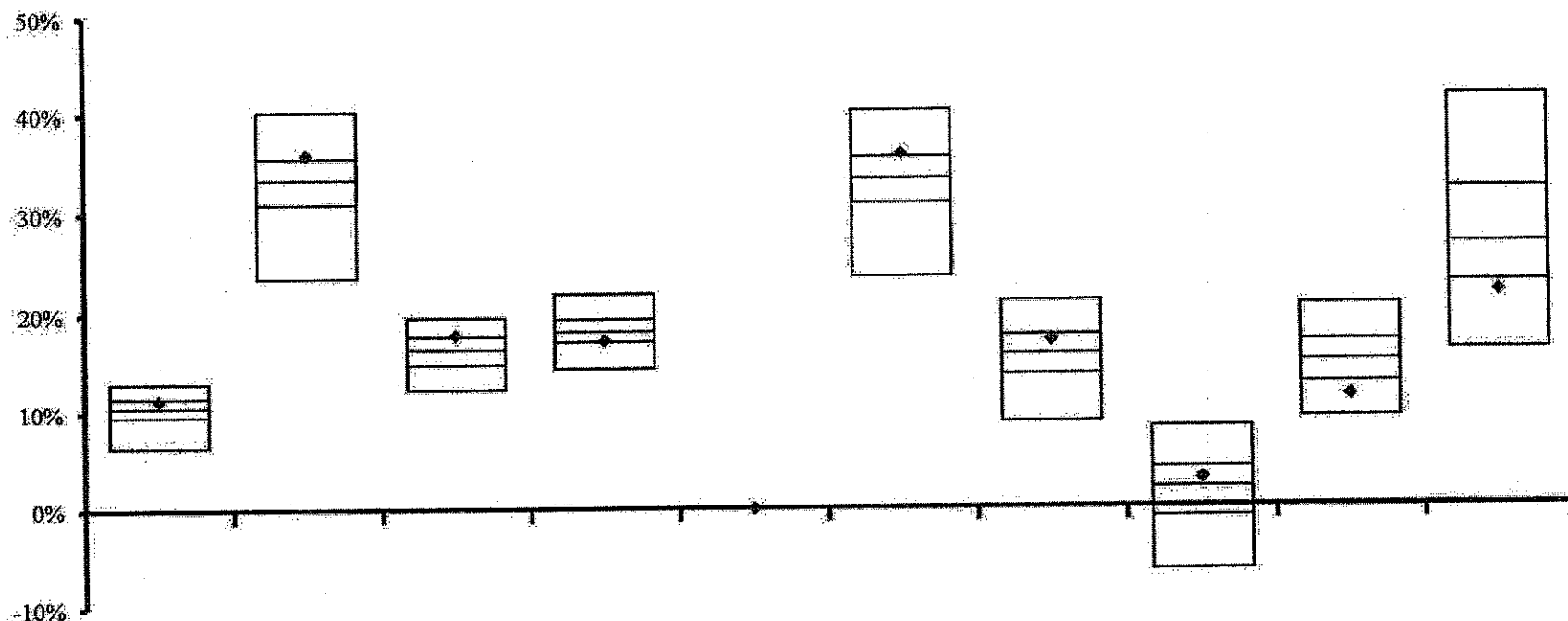
NMU Great Lakes Pension Trust
Performance (Net) as of
December 31, 2013

	<u>Three Months</u>	<u>One Year</u>	<u>Three Year</u>	<u>Five Year</u>	<u>Ten Year</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>	<u>2010</u>	<u>2009</u>	<u>Since Inception</u>	<u>Inception Date</u>
Invesco - Equity	11.1%	35.4%	17.4%	16.8%	N/A	35.4%	16.7%	2.4%	10.8%	21.3%	7.8%	7/1/06
S&P 500	10.5%	32.4%	16.2%	17.9%	7.4%	32.4%	16.0%	2.1%	15.1%	26.5%	7.4%	
Invesco - Fixed Income	-0.3%	-2.5%	3.0%	5.4%	N/A	-2.5%	4.8%	7.0%	7.3%	11.0%	4.7%	7/1/06
BC Aggregate	-0.1%	-2.0%	3.3%	4.4%	4.5%	-2.0%	4.2%	7.8%	6.5%	5.9%	5.3%	

Invesco - Equity

Large Capitalization Core Peer Group (Performance Gross of Fees)

Period Ending 12/31/2013



	Three Months	One Year	Three Year	Five Year	Ten Year	2013	2012	2011	2010	2009
5th Percentile	13.0%	40.3%	19.6%	21.9%	10.7%	40.3%	21.0%	8.1%	20.6%	41.5%
25th Percentile	11.5%	35.5%	17.7%	19.5%	9.1%	35.5%	17.6%	4.0%	16.9%	32.2%
Median	10.5%	33.4%	16.4%	18.2%	8.4%	33.4%	15.7%	1.9%	14.8%	26.6%
75th Percentile	9.6%	30.9%	14.8%	17.2%	7.7%	30.9%	13.6%	-1.0%	12.6%	22.7%
95th Percentile	6.5%	23.6%	12.3%	14.4%	6.8%	23.6%	8.8%	-6.4%	9.0%	16.0%
Member Count	289	285	275	263	185	285	342	361	387	418
Manager Performance	11.2%	35.9%	17.8%	17.3%	N/A	35.9%	17.1%	2.8%	11.3%	21.7%
Ranking	30%	23%	22%	74%	N/A	23%	30%	39%	87%	81%
S&P 500	10.5%	32.4%	16.2%	17.9%	7.4%	32.4%	16.0%	2.1%	15.1%	26.5%

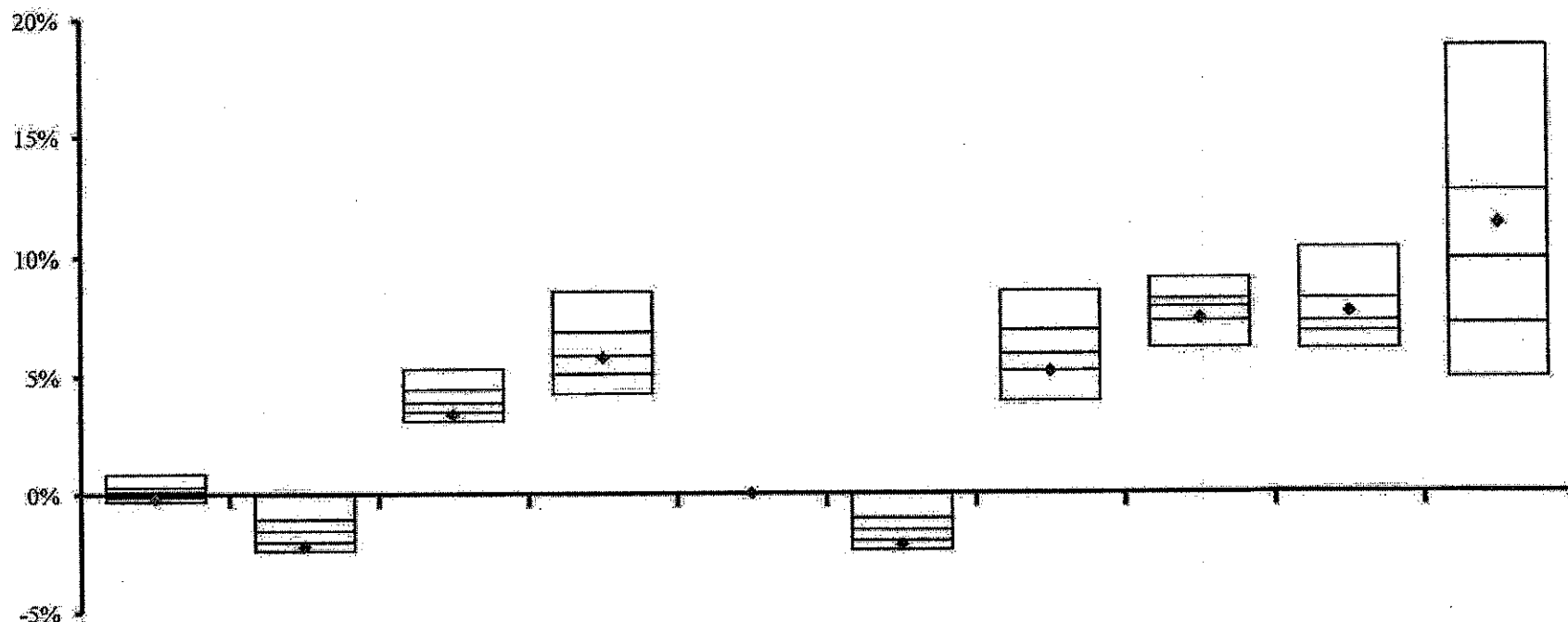
Ranking: 1% = Best, 100% = Worst

* Peer Group Source: InvestWorks.com which is owned by Investment Metrics, LLC. Peer group comparisons are analyzed on calendar quarter ends only. InvestWorks.com provides initial peer group data approximately 2-3 weeks following a calendar quarter. InvestWorks.com will periodically update the initial data.
Quan-Vest Consultants, Inc. - Investment Performance Report

Invesco - Fixed Income

Broad Market Core Fixed Income Peer Group (Performance Gross of Fees)

Period Ending 12/31/2013



	Three Months	One Year	Three Year	Five Year	Ten Year	2013	2012	2011	2010	2009
5th Percentile	0.9%	-0.1%	5.3%	8.6%	5.8%	-0.1%	8.6%	9.1%	10.3%	18.8%
25th Percentile	0.3%	-1.1%	4.4%	6.9%	5.3%	-1.1%	6.9%	8.2%	8.2%	12.6%
Median	0.1%	-1.6%	3.9%	5.8%	5.0%	-1.6%	5.9%	7.8%	7.2%	9.8%
75th Percentile	-0.1%	-2.0%	3.5%	5.1%	4.7%	-2.0%	5.1%	7.3%	6.8%	7.1%
95th Percentile	-0.3%	-2.4%	3.1%	4.2%	4.3%	-2.4%	3.9%	6.1%	6.0%	4.8%
Member Count	139	138	136	135	126	138	175	185	194	203

Manager Performance	-0.2%	-2.2%	3.3%	5.7%	N/A	-2.2%	5.1%	7.4%	7.6%	11.3%
Ranking	86%	91%	89%	56%	N/A	91%	75%	72%	40%	36%
BC Aggregate	-0.1%	-2.0%	3.3%	4.4%	4.5%	-2.0%	4.2%	7.8%	6.5%	5.9%

Ranking: 1% = Best, 100% = Worst

* Peer Group Source: InvestWorks.com which is owned by Investment Metrics, LLC. Peer group comparisons are analyzed on calendar quarter ends only. InvestWorks.com provides initial peer group data approximately 2-3 weeks following a calendar quarter. InvestWorks.com will periodically update the initial data.
 Quan-Vest Consultants, Inc. - Investment Performance Report

NMU Great Lakes Pension Trust

Risk Analysis for the lesser of ten years or since inception ending
December 31, 2013

	Asset Class <u>Beg. Date</u>	Total Risk vs. Index	Risk Adjusted Return	Diversification (R-Squared)	Specific Risk	Beta	Standard Deviation	Sharpe Ratio	Tracking Error	Correlation Index (Coeff. of Determination)
Total Fund Portfolio	1/1/2004	108.7%	5.4%	96%	1.02	1.07	6.9%	0.60	1.3%	
Policy Index	1/1/2004	103.7%	4.9%	99%	1.01	1.03	6.6%	0.52	0.7%	
Passive Index	1/1/2004	100.0%	5.2%	100%	1.00	1.00	6.3%	0.58	0.0%	
Invesco - Equity	US Eqty	100.8%	8.1%	98%	1.01	1.00	18.1%	0.38	2.4%	S&P 500 (97.9%)
S&P 500	7/1/06	100.0%	7.4%	100%	1.00	1.00	17.8%	0.34	0.0%	
Invesco - Fixed Income	Fixed Inc	113.8%	4.6%	81%	1.12	1.02	4.0%	0.91	1.7%	BC Intermediate Aggregate (80.8%)
BC Aggregate	7/1/06	100.0%	5.3%	100%	1.00	1.00	3.6%	1.11	0.0%	

NMU Great Lakes Pension Trust

Return-Based Style Analysis for Rolling One Year Periods

		<u>Invesco - Equity</u>	<u>Invesco - Fixed Income</u>
		<u>Large Capitalization Core</u>	<u>Broad Market Core Fixed Income</u>
3/31/2009	- 3/31/2010	S&P 500	BC Aggregate
6/30/2009	- 6/30/2010	S&P 900	BC Intermediate Credit
9/30/2009	- 9/30/2010	Russell 1000	BC Aggregate
12/31/2009	- 12/31/2010	Wilshire 5000	BC Aggregate
3/31/2010	- 3/31/2011	S&P 1500	BC Aggregate
6/30/2010	- 6/30/2011	S&P 1500	BC Aggregate
9/30/2010	- 9/30/2011	Russell 3000	BC Aggregate
12/31/2010	- 12/31/2011	Russell 3000	BC Aggregate
3/31/2011	- 3/31/2012	Russell 1000	BC Aggregate
6/30/2011	- 6/30/2012	Russell Top 200	BC Aggregate
9/30/2011	- 9/30/2012	Russell Top 200	BC Gov/Credit
12/31/2011	- 12/31/2012	Russell 1000	BC Aggregate
3/31/2012	- 3/31/2013	S&P 500	BC Aggregate
6/30/2012	- 6/30/2013	Russell Top 200	BC Aggregate
9/30/2012	- 9/30/2013	Russell Top 200	BC Aggregate
12/31/2012	- 12/31/2013	Russell Top 200	BC Aggregate

NMU Great Lakes Pension Trust
Equity Market and Hedge Fund Performance as of
December 31, 2013

	<u>Three Month</u>	<u>YTD</u>	<u>One Year</u>	<u>Three Year</u>	<u>Five Year</u>	<u>Ten Year</u>
Domestic Broad Market						
S&P 500	10.5%	32.4%	32.4%	16.2%	17.9%	7.4%
Wilshire 5000	10.1%	33.1%	33.1%	16.0%	18.6%	8.0%
NASDAQ (Ex Income)	10.7%	38.3%	38.3%	16.3%	21.5%	7.6%
DFA U.S. Micro Cap	11.3%	45.1%	45.1%	18.4%	22.8%	9.3%
Capitalization						
Russell Top 200	11.1%	32.4%	32.4%	16.5%	17.2%	6.9%
Russell 1000	10.2%	33.1%	33.1%	16.3%	18.6%	7.8%
Russell Midcap	8.4%	34.8%	34.8%	15.9%	22.4%	10.2%
Russell 2000	8.7%	38.8%	38.8%	15.7%	20.1%	9.1%
Russell 3000	10.1%	33.6%	33.6%	16.2%	18.7%	7.9%
Growth						
Russell Top 200 Growth	11.5%	32.7%	32.7%	16.9%	19.4%	7.2%
Russell 1000 Growth	10.4%	33.5%	33.5%	16.4%	20.4%	7.8%
Russell Midcap Growth	8.2%	35.7%	35.7%	15.6%	23.4%	9.8%
Russell 2000 Growth	8.2%	43.3%	43.3%	16.8%	22.6%	9.4%
Russell 3000 Growth	10.2%	34.2%	34.2%	16.5%	20.6%	8.0%
Value						
Russell Top 200 Value	10.6%	32.1%	32.1%	16.1%	14.9%	6.5%
Russell 1000 Value	10.0%	32.5%	32.5%	16.1%	16.7%	7.6%
Russell Midcap Value	8.6%	33.5%	33.5%	16.0%	21.2%	10.3%
Russell 2000 Value	9.3%	34.5%	34.5%	14.5%	17.6%	8.6%
Russell 3000 Value	10.0%	32.7%	32.7%	15.9%	16.7%	7.7%

	<u>Three Month</u>	<u>YTD</u>	<u>One Year</u>	<u>Three Year</u>	<u>Five Year</u>	<u>Ten Year</u>
International						
MSCI World (Inc. US)	8.1%	27.4%	27.4%	12.1%	15.7%	7.6%
MSCI EAFE	5.7%	23.3%	23.3%	8.7%	13.0%	7.4%
MSCI EAFE (Local Currency)	6.4%	27.5%	27.5%	9.9%	11.8%	6.5%
MSCI EAFE Growth	5.2%	22.9%	22.9%	8.3%	13.2%	7.3%
MSCI EAFE Value	6.3%	23.6%	23.6%	8.9%	12.6%	7.4%
MSCI ACWI (ex US)	4.8%	15.8%	15.8%	5.6%	13.3%	8.0%
MSCI Emerging Markets	1.9%	-2.3%	-2.3%	-1.7%	15.1%	11.5%
US Dollar vs. Foreign Currency	0.6%	3.4%	3.4%	1.1%	-1.0%	-0.9%
Hedge Fund Strategies						
HFRI Fund of Funds	3.6%	8.8%	8.8%	2.4%	4.8%	3.4%
CS Hedge Fund Index	4.2%	9.7%	9.7%	4.8%	8.7%	6.4%
CS Convertible Arbitrage	1.3%	6.0%	6.0%	5.0%	13.6%	4.4%
CS Dedicated Short Bias	-3.9%	-24.9%	-24.9%	-14.7%	-18.4%	-7.8%
CS Emerging Markets	4.4%	8.8%	8.8%	3.8%	10.1%	8.0%
CS Equity Market Neutral	5.1%	9.3%	9.3%	4.8%	3.5%	-0.3%
CS Event Driven	4.8%	15.5%	15.5%	5.1%	9.5%	7.8%
CS Distressed	5.1%	16.0%	16.0%	7.5%	10.6%	7.9%
CS Event Driven Multi-Strategy	4.7%	15.3%	15.3%	3.8%	8.9%	7.9%
CS Risk Arbitrage	1.1%	4.9%	4.9%	2.8%	4.7%	4.5%
CS Fixed Income Arbitrage	1.3%	3.8%	3.8%	6.5%	11.6%	4.1%
CS Global Macro	2.8%	4.3%	4.3%	5.1%	8.0%	8.3%
CS Long/Short Equity	6.3%	17.7%	17.7%	5.7%	9.0%	7.0%
CS Managed Futures	5.2%	-2.6%	-2.6%	-3.2%	-1.0%	3.1%
CS Multi-Strategy	4.3%	11.2%	11.2%	8.0%	11.4%	6.7%

Hedge Fund Strategies index returns are estimated using the previous month's returns until the third week following a month end.

NMU Great Lakes Pension Trust

Fixed Income Market, Real Estate and Stable Value Performance as of
December 31, 2013

	Three Month	YTD	One Year	Three Year	Five Year	Ten Year
Fixed Income Broad Market						
BC Gov/Credit	0.0%	-2.4%	-2.4%	3.6%	4.4%	4.5%
BC Aggregate	-0.1%	-2.0%	-2.0%	3.3%	4.4%	4.5%
BC Global Aggregate	-0.4%	-2.6%	-2.6%	2.4%	3.9%	4.5%
Maturity						
U.S. 90 Day T-Bills	0.0%	0.1%	0.1%	0.1%	0.1%	1.6%
BC 1-3 Yr Gov/Credit	0.2%	0.6%	0.6%	1.2%	2.0%	2.9%
BC Intermediate Gov/Credit	0.0%	-0.9%	-0.9%	2.9%	4.0%	4.1%
BC Long Gov/Credit	-0.1%	-8.8%	-8.8%	6.7%	6.4%	6.4%
Treasury Sector						
BC Intermediate Treasury	-0.5%	-1.3%	-1.3%	2.3%	2.1%	3.7%
BC Treasury	-0.8%	-2.7%	-2.7%	2.9%	2.1%	4.2%
BC Long Treasury	-3.1%	-12.7%	-12.7%	5.5%	2.3%	5.9%
Government Sector						
BC 1-3 Yr Government	0.1%	0.4%	0.4%	0.8%	1.2%	2.7%
BC Intermediate Government	-0.4%	-1.2%	-1.2%	2.1%	2.2%	3.7%
BC Government	-0.7%	-2.6%	-2.6%	2.7%	2.3%	4.1%
BC Long Government	-3.0%	-12.5%	-12.5%	5.5%	2.4%	5.9%
BC GNMA	-0.5%	-2.1%	-2.1%	2.7%	4.0%	4.7%
Corporate Sector						
BC Intermediate Credit	0.7%	-0.2%	-0.2%	4.4%	7.3%	4.9%
BC Credit	0.9%	-2.0%	-2.0%	5.1%	7.9%	5.2%
BC Long Credit	1.5%	-6.6%	-6.6%	7.2%	9.8%	6.4%
BC Corp. High Yield	3.6%	7.4%	7.4%	9.3%	18.9%	8.6%
Citi HYM Index All BB & B	3.4%	6.2%	6.2%	9.0%	15.6%	7.1%

	Three Month	YTD	One Year	Three Year	Five Year	Ten Year
Real Estate						
NFI - ODCE (EqW - Net)	2.9%	12.4%	12.4%	12.4%	2.3%	5.8%
NCREIF	2.5%	11.0%	11.0%	11.9%	5.7%	8.6%
Stable Value						
Hueler Stable Value Index	0.4%	1.8%	1.8%	2.3%	2.6%	3.6%
Other						
CPI	-0.5%	1.5%	1.5%	2.1%	2.1%	2.4%
DJ-UBS Commodity Index	-1.1%	-9.5%	-9.5%	-8.1%	1.5%	0.9%

BC Gov/Credit Duration : 5.6 years
BC Gov/Credit Yield-to-Worst : 2.16%

NFI - ODCE (EqW - Net) and NCREIF index returns are updated each calendar quarter approximately 5 weeks following a quarter end. Interim performance is estimated.

NMU Great Lakes Pension Trust
Taft-Hartley Fund Analysis as of
December 31, 2013

Estimated Median Returns (Gross)

	<u>Three Month</u>	<u>YTD</u>	<u>One Year</u>	<u>Three Year</u>	<u>Five Year</u>	<u>2012</u>	<u>2011</u>	<u>2010</u>	<u>2009</u>	<u>2008</u>
Defined Benefit Pension Funds	5.6%	16.3%	16.3%	10.0%	11.7%	11.1%	3.0%	11.3%	17.5%	-22.6%
Trustee Directed DC Funds	2.2%	6.1%	6.1%	5.9%	7.1%	6.7%	4.7%	7.7%	10.0%	-8.1%
Health & Welfare Funds	2.1%	5.6%	5.6%	5.2%	6.5%	6.1%	3.9%	7.2%	9.6%	-5.4%

Returns are estimated using current month end index or median manager performance data applied to the previous month end the asset allocation of Quan-Vest Consultants, Inc.'s respective client universes

Asset Allocation

Defined Benefit Pension Funds

<u>November 30 of:</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>	<u>2010</u>	<u>2009</u>
Domestic Equity	49.8%	44.4%	42.8%	42.3%	43.2%
International Equity	3.7%	3.5%	3.5%	3.7%	3.9%
Fixed Income	39.2%	46.1%	49.0%	50.4%	49.7%
Real Estate	5.0%	4.0%	3.2%	2.5%	2.4%
Alternative	2.3%	2.0%	1.6%	1.1%	0.8%
Total	100.0%	100.0%	100.0%	100.0%	100.0%

Fixed Income includes bonds, stable value, and cash

Equity Allocation

<u>November 30 of:</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>	<u>2010</u>	<u>2009</u>
Trustee Directed DC Funds	22.6%	19.2%	18.5%	18.4%	19.7%
Health & Welfare Funds	21.2%	18.0%	16.7%	17.7%	16.7%

** Source: Quan-Vest Consultants, Inc.'s Taft-Hartley defined benefit pension fund clients, trustee directed defined contribution fund clients, and health & welfare fund clients
Quan-Vest Consultants, Inc. - Investment Performance Report*

NMU Great Lakes Pension Trust
Investment Management Fee Analysis as of
December 31, 2013

Manager	Market Value	Management Fee in \$	Management Fee in %	Portfolio Type	Quartile
Invesco - Equity	\$ 181,181	\$ 815	0.45%	Eq. Comg.	3
Invesco - Fixed Income	\$ 321,247	\$ 1,060	0.33%	Fixed Comg.	2
Consolidated Portfolio	\$ 502,428	\$ 1,875	0.37%	Bal. Comg.	2
Median Management		\$ 2,232	0.44%	Bal. Comg.	2
Index Management		\$ 754	0.15%	Bal. Comg.	4

* The Consolidated Portfolio 'Quartile' indicates the average negotiated fee based on the size of each individual portfolio, its asset class, its investment structure (i.e. separate account, commingled fund or mutual fund), and the fee quartile for that investment structure based primarily on a universe of managers. Occasionally, the Consolidated Portfolio's fees may be greater than the Median Management fee yet reflect a quartile that is below median due to the size and structure of each portfolio. Management Fee in \$ is an estimate calculated by multiplying the Market Value by the Management Fee in %, which is the fee schedule agreed to between the Fund and the investment manager. For the purposes of the estimate, the Market Value is assumed to remain constant.

Universe of Investment Managers Fees
As of 12/31/2013

Balanced Portfolio			
Portfolio Size	1st. Quart	2nd. Quart	3rd. Quart
\$ 5 Million	0.80%	0.75%	0.63%
\$ 10 Million	0.75%	0.65%	0.50%
\$ 25 Million	0.65%	0.60%	0.50%
\$ 50 Million	0.59%	0.53%	0.50%
\$ 100 Million	0.53%	0.50%	0.43%

Equity Portfolio			
Portfolio Size	1st. Quart	2nd. Quart	3rd. Quart
\$ 5 Million	0.85%	0.75%	0.60%
\$ 10 Million	0.75%	0.70%	0.60%
\$ 25 Million	0.72%	0.63%	0.54%
\$ 50 Million	0.66%	0.55%	0.50%
\$ 100 Million	0.59%	0.50%	0.40%

Fixed Income Portfolio			
Portfolio Size	1st. Quart	2nd. Quart	3rd. Quart
\$ 5 Million	0.40%	0.35%	0.30%
\$ 10 Million	0.40%	0.35%	0.30%
\$ 25 Million	0.35%	0.30%	0.25%
\$ 50 Million	0.30%	0.26%	0.25%
\$ 100 Million	0.28%	0.24%	0.20%

NMU Great Lakes Pension Trust
Accounting Summary for the twelve months ending
December 31, 2013

	<u>Market</u> <u>Value</u>	<u>Investment</u> <u>Return</u>	<u>Net</u> <u>Cont/(Disburs)</u>	<u>Income</u>	<u>Realized</u> <u>Gain/Loss</u>	<u>Book</u> <u>Value</u>	<u>Change in</u> <u>Book Value</u>	<u>Change in</u> <u>Unrealized G/L</u>
Invesco - Equity	\$ 181,181	\$ 60,487	\$ (135,783)	\$ -	\$ 23,021	\$ 1	\$ (112,760)	\$ 37,466
Invesco - Fixed Income	\$ 321,247	\$ (7,727)	\$ (166,111)	\$ -	\$ 21,260	\$ 1	\$ (144,849)	\$ (28,987)
Total	\$ 502,428	\$ 52,758	\$ (301,892)	\$ -	\$ 44,279	\$ 2	\$ (257,609)	\$ 8,479

Market Value on January 1, 2013: \$ 731,558

Net Cont/(Disburs) over the last 12 months versus current market value: -60.1%

NMU Great Lakes Pension Trust
Net Monthly Contributions / (Withdrawals)

		<u>Dec-13</u>	<u>Nov-13</u>	<u>Oct-13</u>	<u>Sep-13</u>	<u>Aug-13</u>	<u>Jul-13</u>	<u>Jun-13</u>	<u>May-13</u>
Invesco - Equity	\$	-	\$ (65)	\$ (63)	\$ (61)	\$ (61)	\$ (61)	\$ (59)	\$ (59)
Invesco - Fixed Income	\$	-	\$ (89)	\$ (89)	\$ (88)	\$ (88)	\$ (88)	\$ (89)	\$ (91)
Total	\$	-	\$ (152)	\$ (152)	\$ (149)	\$ (149)	\$ (149)	\$ (148)	\$ (150)

NMU Great Lakes Pension Trust

Policy Index for the lesser of ten years or since inception

	1/1/2004	2/1/2006	4/1/2009	12/1/2012
	to	to	to	to
<u>Index</u>	<u>1/31/2006</u>	<u>3/31/2009</u>	<u>11/30/2012</u>	<u>12/31/2013</u>
S&P 500	30.0%	45.0%	35.0%	30.0%
BC Aggregate	70.0%	55.0%	65.0%	70.0%
Total	100.0%	100.0%	100.0%	100.0%

Policy Index - an index created by weighting various indices in the same proportion as the portfolio's target allocation. The following indexes are used in creating the Policy Index: S&P 500 for domestic equities, BC Aggregate for fixed income, U.S. 90 Day T-Bills for cash and cash equivalents, NFI - ODCE for real estate, Heuler Stable Value Index for insurance contracts and stable value, EAFE (US Dollars) for international equities, a Global Balanced Index consisting of 60% MSCI World Equity (Inc. US) / 40% BC Global Aggregate for global balanced, and HFRI Fund of Funds for alternatives, and HFRI Fund of Funds for alternatives.

For periods when there was no specified target allocation, Quan-Vest used reasonable judgment in creating a target allocation based on the portfolio's then current allocation. For periods when there was a target yet one of the asset classes had not yet been funded, the target allocation for that asset class was not included in the policy index until that asset class was funded.

Glossary of Terms

Beta - measures the sensitivity of the portfolio's return caused by movements in the assigned benchmark. A Beta of 1.0 implies that the portfolio's return is expected to rise and fall in the same proportion as the benchmark. A Beta less than (greater than) 1.0 implies the portfolio's return is expected to rise and fall to a lesser (greater) extent than the benchmark. Higher Betas indicate higher risk.

Correlation Index (Coeff. Of Determination) - determines the benchmark most closely associated with a portfolio's return as measured by R-Squared. This is a returns-based style indicator which may yield different results than a manager's intended style.

Diversification (R-Squared) - measures the percentage of the portfolio's performance that is explained by the assigned benchmark, indicating how diversified the portfolio is compared to the benchmark. R-Squared can range from 0% to 100% with 100% representing a portfolio that is as diversified as the benchmark. The closer the R-Squared is to 100%, the closer the portfolio is expected to track the benchmark.

Passive Index - is an index created by weighting, on a monthly basis, various indices in the same proportion as the total portfolio's actual asset allocation. The following indexes are used in creating the Passive Index: S&P 500 for domestic equities, BC Aggregate for fixed income, U.S. 90 Day T-Bills for cash and cash equivalents, NEI - ODCE for real estate, Heuler Stable Value Index for insurance contracts and stable value, EAFE (US Dollars) for international equities, a Global Balanced Index consisting of 60% MSCI World Equity (Inc. US) / 40% BC Global Aggregate for global balanced, and HFRI Fund of Funds for alternatives.

Risk Adjusted Return - is a hypothetical rate which assumes the portfolio has the same risk as the market index. It is calculated by multiplying the excess return per unit of risk (Sharpe Ratio) by the risk (Standard Deviation) of the market and then adding back the risk-free rate (90-Day US Treasury Bills).

Return-Based Style Analysis

Determines the benchmark most closely associated with a portfolio's return as measured by R-Squared.

Sharpe Ratio - measures the portfolio's excess return over a risk-free rate (90-day US Treasury Bills) per unit of risk (Standard Deviation). A higher Sharpe Ratio indicates a better return/risk trade-off but does not necessarily indicate a higher return. Holding return steady, a portfolio can generate a high Sharpe Ratio by experiencing low risk. Holding risk steady, a portfolio can generate a high Sharpe Ratio by experiencing high return.

Specific Risk - is the portfolio's unique risk. It is the total risk as measured by Standard Deviation minus the portfolio's return caused by movements in the assigned benchmark as measured by Beta.

Standard Deviation - is an annualized measure of the variability (risk) of the portfolio's return versus its average return over a defined period of time. A higher Standard Deviation indicates higher risk. Returns are expected to be within one Standard Deviation of the portfolio's average return 68% of the time and within two Standard Deviations 95% of the time.

Total Risk vs. Index - the portfolio's risk level versus a benchmark by dividing the portfolio's monthly Standard Deviation by the benchmark's quarterly Standard Deviation. A risk level greater than 100% indicates more risk than the benchmark while a risk level less than 100% indicates less risk than the benchmark.

Tracking Error - measures the Standard Deviation of the portfolio's excess return in relation to the assigned benchmark. The higher the Tracking Error, the greater the likelihood that there will be differences between the portfolio's return and that of the benchmark. Portfolios that are structured similarly (differently) than the benchmark will have lower (higher) Tracking Errors.