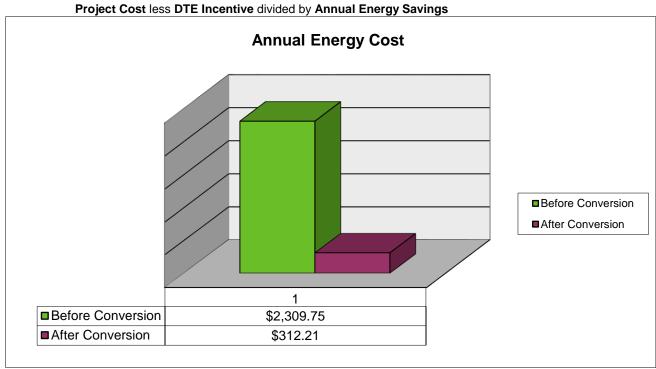


COST ANALYSIS

Northland Towers Office Center

Plaza Building	Stairwells						
Project Cost	\$3,433.20	7/2/2014					
DTE Incentive	\$732.77						
Retrofit Costs (With Rebates)	\$2,700.43						
Annual Energy Savings	\$1,997.54						
Project Pay Back Period	16 Months						
Return on Investment Thru 5 years	238.77%						

Project pay back period equal to Project Cost- DTE Incentive Annual Energy Savings



Reduction in energy cost 86%



Before F48T12 3500k



After 12 watt LED 5000k



Northland Towers Office Center

Plaza Building

5/30/2014

Power Usage Sheet

Stairwells

DTE

rate/kw

0.11

Presently installed lighting pla	ant
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REF	QTY	DESCRIPTION	Watts Per	watts per	Watts Used	watts Used	Annual Hours	Annual KWH	Annual KWH	Annual energy cost	Data Reference	Page
27-1	51	F48T12 Lamp/ballast B260IUNVHP Universal One lamp bi pin fixture	47	31	2397	1581	8760	20,998	13,850	\$2,309.75	F48T12CW.pdf B260IUNVHP.pdf	
	51	Units Proposed lighting plant				1.581	Totals	20,998	13,850	\$2,309.75		
LINE	QTY	DESCRIPTION	Watts Per	DTE watts per	Watts Used	DTE watts Used	Annual Hours	Annual KWH	DTE Annual KWH	Annual energy cost	Data Reference	Page
27-1	27	(1) 4' LED 12W R1-41250K-85-fB2-V1 Frosted	12	12	324	324	8760	2,838	2,838		4' LED tube spec 3.12.13.pdf	
	27	Units				0.386	Totals	2,838	2,838	\$312.21		

Measure cost DTE KWH Savings

Proposed Custom lighting plant 11011

Actual Kw savings 18,159

Total Annual Savings

\$1,997.54

\$3,433.20



Northland Towers Office Center

Project Notes

Plaza Building

North Stairwell

Qty (25) 1 x 4 F48T12 1 lamp fixture

Qty (13) retrofitted to 1 4' 5000k LED lamp Frosted

Qty (12)removed

South Stairwell

Qty (26) 1 x 4 F48T12 1 lamp fixture

Qty (14) retrofitted to 1 4' 5000k LED lamp Frosted

Qty (12)removed