

Winsted Elementary

Replacement of 38 fixtures with LED and
LED Retrofit of 510 fixtures



Lighting Proposal prepared for

Joe McKee

On Behalf of

Chris Dexter

on

04/16/2024

NOBLE

LIGHTING
CONSTRUCTION
SERVICE

ELECTRIC

Winsted Elementary

EXECUTIVE SUMMARY

COST SUMMARY

TOTAL PROJECT COST	\$33,050.37
LESS Xcel REBATE	-\$17,578.81

NET COST TO CUSTOMER **\$15,472**

SAVINGS SUMMARY

ANNUAL ENERGY SAVINGS	\$10,059
ANNUAL EQUIPMENT SAVINGS	\$3,509
AC SAVINGS	\$410

TOTAL ANNUAL SAVINGS **\$13,978**

SIMPLE PAYBACK **1.11 Years**
SAVINGS OVER 5 YEARS **\$54,419**

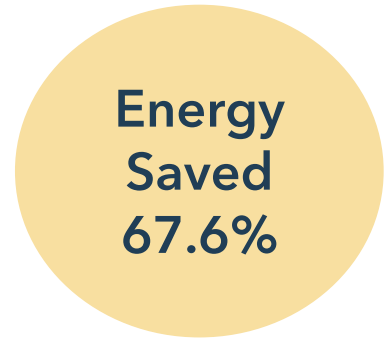
**Cash Flow
Positive in
13 Months!**

PROJECT SUMMARY:

Winsted Elementary

Savings Summary

TOTAL ANNUAL SAVINGS	\$13,978
ANNUAL ENERGY SAVINGS	\$10,059
ANNUAL EQUIPMENT SAVINGS	\$3,509
AC SAVINGS	\$410
ANNUAL MAINTENANCE LABOR HOURS SAVED	70.8



Energy Use Detail

EXISTING LIGHTING KWH	87,381
PROJECTED LIGHTING KWH	28,326
ANNUAL KWH SAVINGS	59,055

kW (Capacity) - the measure of the WATTAGE divided by 1,000.
kWh (Usage) - kW multiplied by the HOURS provided.

ENERGY SAVINGS DETAIL

Annual kWh Saved		59,055
Kwh Rate	x	\$0.0777
Annual kWh Savings		\$4,589
kW Saved		29.90
kW Rate	x	\$15.25
Annual kW Savings		\$5,471

ENVIRONMENTAL IMPACT

9

CARS REMOVED FROM ROADS



24

TONS OF COAL NOT BURNED



1140

FOREST ACRES NOT CUT



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EQUIPMENT SAVINGS DETAIL

	TOTAL QUANTITY	EXPECTED LIFE (HOURS)	EXPECTED FAILURE PER YEAR
T8 Lamps	1477	14,400	199
Screw-In Lamps	2	12,000	0
HID Lamps	0	15,000	0
Ballasts	528	60,000	17

MATERIAL SUMMARY

	REPLACEMENT PRICE PER PIECE	EXPECTED FAILURE PER YEAR	REPLACEMENT COST PER YEAR
T8 Lamps	\$3.80	199	\$758.03
Screw-In Lamps	\$2.25	0	\$1.07
HID Lamps	\$31.00	0	\$0.00
Ballasts	\$27.00	17	\$469.30

LABOR SUMMARY

	LABOR PER PIECE (MINUTES)	LABOR PER PIECE (DOLLARS)	LABOR PER YEAR
T8 Lamps	9	\$7.87	\$1,570.16
Screw-In Lamps	6	\$4.50	\$2.15
HID Lamps	30	\$22.50	\$0.00
Ballasts	30	\$24.24	\$421.37

RECYCLING SUMMARY

	RECYCLING PER PIECE (DOLLARS)	RECYCLING PER YEAR
T8 Lamps	\$1.00	\$199.48
Screw-In Lamps	\$0.33	\$0.16
HID Lamps	\$0.99	\$0.00
Ballasts	\$5.00	\$86.91

ANNUAL MATERIAL SAVINGS	\$	1,228.40
ANNUAL LABOR SAVINGS	\$	1,993.67
ANNUAL RECYCLING SAVINGS	\$	286.55

ANNUAL SAVINGS	\$	3,508.62
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Winsted Elementary

	Area	Existing Wattage	Qty	Hours	Work Type	New Lamp/Fixt Type	Qty	Proposed Wattage	Proposed Sensor Type
1	Main Entry Vest	58	1	2860	Retrofit\Relamp	T8 4' 9.5W Tube 4K	1	19	None
2	Office	85	3	2860	Retrofit\Relamp	T8 4' 9.5W Tube 4K	3	28.5	None
3	Office	58	3	2860	Retrofit\Relamp	T8 4' 9.5W Tube 4K	3	19	None
4	120A Principal	85	2	2340	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	28.5	None
5	Njrse Office	58	1	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	1	19	None
6	Njrse Office	58	2	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	19	None
7	Rr By 122	58	1	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	1	19	None
8	112	85	2	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	28.5	None
9	122	58	5	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	5	19	None
10	122 Rr	0	1	1780	DO NOT TOUCH	DO NOT TOUCH	1	0	None
11	117 Rr	0	1	#N/A	DO NOT TOUCH	DO NOT TOUCH	1	0	None
12	Closet By 117	0	1	#N/A	DO NOT TOUCH	DO NOT TOUCH	1	0	None
13	114 Mech	58	5	2860	Retrofit\Relamp	T8 4' 9.5W Tube 4K	5	19	None
14	111 Kitchen	58	2	2860	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	19	None
15	Maint Off	58	2	2860	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	19	None
16	Kitchen	0	1	#N/A	DO NOT TOUCH	DO NOT TOUCH	1	0	None
17	100 Lunchroom	358	16	1780	New High Bay	160/130/110/90W High Bay, 4/5K	16	130	Network LLLC - Warehouse
18	101 Storage	58	2	520	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	19	None
19	103	0	1	#N/A	DO NOT TOUCH	DO NOT TOUCH	1	0	None
20	103 Office	58	3	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	3	19	None
21	100A	0	1	#N/A	DO NOT TOUCH	DO NOT TOUCH	1	0	None
22	Gym Hall/Gym/Gym Side Rms	0	1	#N/A	DO NOT TOUCH	DO NOT TOUCH	1	0	None
23	Main Office Hall	58	12	2860	Retrofit\Relamp	T8 4' 9.5W Tube 4K	12	19	None
24	Main Office Hall	58	2	2860	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	19	None
25	123 Jan	0	1	#N/A	DO NOT TOUCH	DO NOT TOUCH	1	0	None
26	Kids Rrs By 123	58	5	2860	Retrofit\Relamp	T8 4' 9.5W Tube 4K	5	19	None
27	Hall - 131 To 135	58	8	2860	Retrofit\Relamp	T8 4' 9.5W Tube 4K	8	19	None
28	130	85	9	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	9	28.5	None
29	131	85	12	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	12	28.5	None
30	Hall To 128	58	10	2860	Retrofit\Relamp	T8 4' 9.5W Tube 4K	10	19	None
31	129	58	14	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	14	19	None
32	129 Exit/Side Rooms	58	4	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	4	19	None
33	128	58	14	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	14	19	None
34	127	58	10	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	10	19	None
35	126	58	10	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	10	19	None
36	Hall By 130	32	1	2860	New Rec Can	6" Commercial Downlight 8/12/16W 3/35/4	1	12	None
37	132	85	12	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	12	28.5	None
38	132 Rr	0	1	1780	DO NOT TOUCH	DO NOT TOUCH	1	0	None
39	133	85	12	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	12	28.5	None
40	134	85	13	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	13	28.5	None
41	134 Rr	0	1	1780	DO NOT TOUCH	DO NOT TOUCH	1	0	None

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	Area	Existing Wattage	Qty	Hours	Work Type	New Lamp/Fixt Type	Qty	Proposed Wattage	Proposed Sensor Type
42	135	85	12	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	12	28.5	None
43	136	85	3	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	3	28.5	None
44	Hall By 136	32	1	2860	New Rec Can	6" Commercial Downlight 8/12/16W 3/35/4	1	12	None
45	Hall By 136	58	1	2860	Retrofit\Relamp	T8 4' 9.5W Tube 4K	1	19	None
46	Door B Hall	58	14	2860	Retrofit\Relamp	T8 4' 9.5W Tube 4K	14	19	None
47	Door B Vest	58	1	2860	Retrofit\Relamp	T8 4' 9.5W Tube 4K	1	19	None
48	140	85	8	2860	Retrofit\Relamp	T8 4' 9.5W Tube 4K	8	28.5	None
49	142	85	16	2860	Retrofit\Relamp	T8 4' 9.5W Tube 4K	16	28.5	None
50	142 Rr	58	1	2860	Retrofit\Relamp	T8 4' 9.5W Tube 4K	1	19	None
51	141	85	9	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	9	28.5	None
52	143	85	176	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	176	28.5	None
53	143 Rr	58	1	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	1	19	None
54	Kids Rrs	58	6	2860	Retrofit\Relamp	T8 4' 9.5W Tube 4K	6	19	None
55	146	85	12	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	12	28.5	None
56	147	85	12	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	12	28.5	None
57	148	85	12	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	12	28.5	None
58	149	85	12	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	12	28.5	None
59	151	85	12	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	12	28.5	None
60	150	85	12	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	12	28.5	None
61	Storage Behind Mech Room	58	9	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	9	19	None
62	Emergency Lighting	0	10	8760	New Exit	LED Exit Sign with Emergency Lights White/F	10	0	None
63	Emergency Lighting	0	10	8760	New Exit	Emergency Lights - Bug Eyes	10	0	None

Noble Conservation Solutions agrees to perform the work detailed above and any work outlined in the Scope of Work Summary. Any work not detailed in the Scope of Work Summary or the Scope of Work Detail are not included in the package price and may be added to the scope of work via a change order for additional cost.

I understand and agree to these terms

Initial

Date

2343 135th Ln NW
Andover, MN 55304

Phone: 763-746-0982
www.NobleCS.com

Date 04/16/2024
THIS PROPOSAL VALID FOR 30 DAYS

Bill To: HLWW Schools	Installation: Winsted Elementary
8700 County Road 6 SW	431 4th St N
Address: Howard Lake	Address: Winsted
MN, 55349	MN, 55395
Contact: Joe McKee	Contact: Joe McKee
Phone: -	Phone: -
Email: jmckee@hlww.k12.mn.us	Email: jmckee@hlww.k12.mn.us

Presented By:
Chris Dexter

QTY	DESCRIPTION	UNIT PRICE	TOTAL
1	Total Project Price for work detailed in scope	\$33,050.37	\$33,050.37
	*Includes: Project Material, Labor, Shipping, Tax, Lamp & Ballast Recycling and Permit.		
	**Emergency/Battery-Backup ballasts are not included in this project.		
	Estimated Utility Rebate		\$17,578.81

Terms:

50% down payment on gross project price (\$16,525.18) before the project begins
45% on completion of job or 95% complete
5% on the completion of the punch list items
1.5% monthly finance charge net 15 days

Proposal Subtotal	\$15,471.56
Shipping & Handling	Included
Tax	Included
TOTAL LESS REBATE	\$15,471.56
TOTAL BEFORE REBATE	\$33,050.37

Repair of any existing electrical system issues that affect standard LED performance or electrical code non-compliance (i.e. Faulty wiring, dirty power, surges, code violations, etc.) are not included in the project price and will be subject to an additional charge.	Initial
Utility rebate above has been estimated based on industry standard calculations and information obtained by NCS or provided by Customer. The estimate has been calculated in good faith but may change based on scope changes or utility review.	Initial
I elect to have Noble CS accept the REBATE RISK, bill me the TOTAL LESS REBATE amount above (rebate paid to Noble CS, amount may differ from estimate)	Initial
I elect to accept the REBATE RISK, bill me the TOTAL BEFORE REBATE amount above (rebate paid to customer, amount may differ from estimate)	Initial

All Change Orders will be signed by both parties before additional work will be scheduled or completed. Additional work requirements by any authority having jurisdiction not specifically stated in this Proposal, shall cost extra. All quotes may need to be re-priced after 30 days from Proposal date above, due to commodity and labor price increases. Any changes in the above specifications shall be made in writing, and as evidence of agreement, shall be signed by both parties, The contractor shall not be held responsible or liable for any loss, damage or delay due to causes beyond its control. It is assumed that all existing customer equipment has sufficient supply voltage to be operational. Unless specifically identified by the customer and documented by separate agreement, Noble Conservation Solutions is not obligated to correct the existing condition and make it operable. In such a case, an estimate will be provided to the customer to fix the issue. If the purchaser disposes of the property by sale or otherwise before this contract has been fulfilled, the full unpaid amount of the contract shall become due and payable at once. □

PLEASE TAKE NOTICE: □

(a) ANY PERSON OR COMPANY SUPPLYING LABOR OR MATERIALS FOR THIS IMPROVEMENT TO YOUR PROPERTY MAY FILE A LIEN AGAINST YOUR PROPERTY IF THAT PERSON OR COMPANY IS NOT PAID FOR THE CONTRIBUTIONS.

(b) UNDER MINNESOTA LAW YOU HAVE THE RIGHT TO PAY PERSONS WHO SUPPLIED LABOR OR MATERIALS FOR THIS IMPROVEMENT DIRECTLY AND DEDUCT THIS AMOUNT FROM OUR CONTRACT PRICE, OR WITHHOLD THE AMOUNTS DUE THEM FROM US UNTIL 120 DAYS AFTER COMPLETION OF THE IMPROVEMENT UNLESS WE GIVE YOU A LIEN WAIVER SIGNED BY PERSONS WHO SUPPLIED ANY LABOR OR MATERIAL FOR THE IMPROVEMENT AND WHO GAVE YOU TIMELY NOTICE. □

Equipment Warranty - Customer understands and agrees that the manufacturers are warranting the actual Equipment pursuant to the terms and conditions of such manufacturer warranties. Such Equipment is warranted to work according to such manufacturers' warranties for the periods prescribed therein. The warranties and remedies of the manufacturers set forth in the respective manufacturers' documents provided are in lieu of all other warranties or conditions, either in fact or by operation of law, statutory or otherwise, including warranties or conditions of merchantability, and fitness for a particular purpose, all of which are expressly disclaimed. The warranty guidelines for the new Equipment are available upon request. Noble agrees to assist Customer with all Equipment Warranty claims; however, in the event that Noble is unable to assist, Customer has the right and responsibility to contact the respective manufacturers directly for warranty claims.

Signature _____
Title _____
Date _____

1.5% Finance Charge on
all Past Due Accounts