

# HLWW High School

Replacement of 131 fixtures with LED and  
LED Retrofit of 1040 fixtures



Lighting Proposal prepared for

**Joe McKee**

On Behalf of

**Chris Dexter**

on

**04/22/2024**

**NOBLE**

LIGHTING  
CONSTRUCTION  
SERVICE

**ELECTRIC**

# HLWW High School

## EXECUTIVE SUMMARY

### COST SUMMARY

TOTAL PROJECT COST	\$92,203.06
LESS Wright-Hennepin REBATE	-\$7,091.50

**NET COST TO CUSTOMER** **\$85,112**

### SAVINGS SUMMARY

ANNUAL ENERGY SAVINGS	\$20,529
ANNUAL EQUIPMENT SAVINGS	\$10,964
AC SAVINGS	\$867

**TOTAL ANNUAL SAVINGS** **\$32,360**

**SIMPLE PAYBACK** **2.63 Years**  
**SAVINGS OVER 5 YEARS** **\$76,688**

**Cash Flow  
Positive in  
32 Months!**

PROJECT SUMMARY:

# HLWW High School

## Savings Summary

TOTAL ANNUAL SAVINGS	\$32,360
ANNUAL ENERGY SAVINGS	\$20,529
ANNUAL EQUIPMENT SAVINGS	\$10,964
AC SAVINGS	\$867
ANNUAL MAINTENANCE LABOR HOURS SAVED	157.7



## Energy Use Detail

EXISTING LIGHTING KWH	262,535
PROJECTED LIGHTING KWH	104,947
ANNUAL KWH SAVINGS	157,589

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		157,589
Kwh Rate	x	\$0.0711
<b>Annual kWh Savings</b>		<b>\$11,198</b>
kW Saved		60.99
kW Rate	x	\$12.75
<b>Annual kW Savings</b>		<b>\$9,331</b>

## ENVIRONMENTAL IMPACT

25

CARS REMOVED FROM ROADS



63

TONS OF COAL NOT BURNED



3041

FOREST ACRES NOT CUT



NOBLE

LIGHTING  
CONSTRUCTION  
SERVICE

ELECTRIC

# HLWW High School

## EQUIPMENT SAVINGS DETAIL

	TOTAL QUANTITY	EXPECTED LIFE (HOURS)	EXPECTED FAILURE PER YEAR
T8 Lamps	3367	14,400	565
Screw-In Lamps	33	12,000	7
HID Lamps	0	15,000	0
Ballasts	1112	60,000	42

### MATERIAL SUMMARY

	REPLACEMENT PRICE PER PIECE	EXPECTED FAILURE PER YEAR	REPLACEMENT COST PER YEAR
T8 Lamps	\$3.80	565	\$2,145.12
Screw-In Lamps	\$2.25	7	\$16.76
HID Lamps	\$31.00	0	\$0.00
Ballasts	\$27.00	42	\$1,138.76

### LABOR SUMMARY

	LABOR PER PIECE (MINUTES)	LABOR PER PIECE (DOLLARS)	LABOR PER YEAR
T8 Lamps	9	\$9.92	\$5,597.74
Screw-In Lamps	6	\$4.50	\$33.53
HID Lamps	30	\$22.50	\$0.00
Ballasts	30	\$29.74	\$1,254.29

### RECYCLING SUMMARY

	RECYCLING PER PIECE (DOLLARS)	RECYCLING PER YEAR
T8 Lamps	\$1.00	\$564.51
Screw-In Lamps	\$0.33	\$2.46
HID Lamps	\$0.99	\$0.00
Ballasts	\$5.00	\$210.88

ANNUAL MATERIAL SAVINGS	\$	3,300.65
ANNUAL LABOR SAVINGS	\$	6,885.55
ANNUAL RECYCLING SAVINGS	\$	777.85

**ANNUAL SAVINGS** \$ **10,964.04**

# HLWW High School

	Area	Existing Wattage	Qty	Hours	Work Type	New Lamp/Fixt Type	Qty	Proposed Wattage	Proposed Sensor Type
1	Main Entry Vest	112	3	3240	Retrofit\Relamp	T5 4' 14W Tube 4K	3	56	None
2	Hs Office	112	4	3240	Retrofit\Relamp	T5 4' 14W Tube 4K	4	56	None
3	Hs Office	64	1	3240	Retrofit\Relamp	T5 4' 14W Tube 4K	1	28	None
4	Hs Office Work Rm	85	2	3240	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	28.5	None
5	Hs Office Hall	58	7	3240	Retrofit\Relamp	T8 4' 9.5W Tube 4K	7	19	None
6	Nurse Off	85	3	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	3	28.5	None
7	Nurse Off	0	2	1780	DO NOT TOUCH	DO NOT TOUCH	2	0	None
8	Nurse Off Cans	0	1	1780	DO NOT TOUCH	DO NOT TOUCH	1	0	None
9	Nurse Off Rr	58	1	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	1	19	None
10	Nurse Off Rr	31	1	1780	Retrofit\Relamp	T8 2' 9W Tube FCCT	1	18	None
11	Nurse Off Office	85	2	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	28.5	None
12	C125	85	2	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	28.5	None
13	C124	85	2	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	28.5	None
14	C123	85	2	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	28.5	None
15	C122	85	2	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	28.5	None
16	Conf Rm	85	3	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	3	28.5	None
17	Rr	58	1	2343	Retrofit\Relamp	T8 4' 9.5W Tube 4K	1	19	None
18	Rr	31	1	2343	Retrofit\Relamp	T8 2' 9W Tube FCCT	1	18	None
19	Dist Off Conf Rm	85	4	2343	Retrofit\Relamp	T8 4' 9.5W Tube 4K	4	28.5	None
20	Dist Off Conf Rm Storage	85	2	2343	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	28.5	None
21	Server Rm	85	2	2343	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	28.5	None
22	D/O Office	0	2	2343	DO NOT TOUCH	do not touch	2	0	None
23	D/O Office	112	4	2343	Retrofit\Relamp	T5 4' 14W Tube 4K	4	56	None
24	D/O Office Copy Rm	0	2	2343	DO NOT TOUCH	do not touch	2	0	None
25	C116F	0	2	2343	DO NOT TOUCH	do not touch	2	0	None
26	C116E	0	2	2343	DO NOT TOUCH	do not touch	2	0	None
27	C116D	0	4	2343	DO NOT TOUCH	do not touch	4	0	None
28	C116A	0	4	2343	DO NOT TOUCH	do not touch	4	0	None
29	C116B	0	4	2343	DO NOT TOUCH	do not touch	4	0	None
30	Main Caf/Lobby	112	68	3240	Retrofit\Relamp	T5 4' 14W Tube 4K	68	56	None
31	Main Caf/Lobby	64	2	3240	Retrofit\Relamp	T5 4' 14W Tube 4K	2	28	None
32	Main Caf/Lobby	32	10	3240	New Rec Can	6" Commercial Downlight 8/12/16W 3/35/4	10	12	None
33	Main Caf/Lobby Wall Wash	58	11	3240	Retrofit\Relamp	T8 4' 9.5W Tube 4K	11	19	None
34	Main Caf/Lobby	112	4	3240	Retrofit\Relamp	T5 4' 14W Tube 4K	4	56	None
35	Caf/Lobby By Kitchen	112	5	3240	Retrofit\Relamp	T5 4' 14W Tube 4K	5	56	None
36	Kitchen	110	34	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	34	38	None
37	Dry Storage	110	2	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	38	None
38	Freezer/Cooler	64	8	1780	Retrofit\Relamp	T5 4' 14W Tube 4K	8	28	None
39	Vent Hoods	0	1	#N/A	DO NOT TOUCH	DO NOT TOUCH	1	0	None
40	Kitchen Office	85	2	2343	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	28.5	None
41	Kitchen Rr	58	1	2343	Retrofit\Relamp	T8 4' 9.5W Tube 4K	1	19	None

# HLWW High School

	Area	Existing Wattage	Qty	Hours	Work Type	New Lamp/Fixt Type	Qty	Proposed Wattage	Proposed Sensor Type
42	Kitchen Rr	31	1	2343	Retrofit\Relamp	T8 2' 9W Tube FCCT	1	18	None
43	Kitchen Util.	58	1	520	Retrofit\Relamp	T8 4' 9.5W Tube 4K	1	19	None
44	B155 Receiving Entry	85	2	3240	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	28.5	None
45	B155 Receiving	85	10	3240	Retrofit\Relamp	T8 4' 9.5W Tube 4K	7	28.5	None
46	Gym	358	36	4430	New High Bay	200W High Bay, 5,000K	36	200	Network LLLC - Warehouse
47	Mens Rr	31	9	1780	Retrofit\Relamp	T8 2' 9W Tube FCCT	9	18	None
48	Mens Rr	58	3	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	3	19	None
49	Cafe Display Cases	58	8	3240	Retrofit\Relamp	T8 4' 9.5W Tube 4K	8	19	None
50	Womens Rr	31	14	3240	Retrofit\Relamp	T8 2' 9W Tube FCCT	14	18	None
51	Womens Rr	58	6	3240	Retrofit\Relamp	T8 4' 9.5W Tube 4K	6	19	None
52	D136 Girls Locker	58	4	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	4	19	None
53	D136 Girls Locker	110	7	1780	Retrofit\Relamp	T5 4' 14W Tube 4K	7	56	None
54	D136 Girls Locker	32	5	1780	New Rec Can	6" Commercial Downlight 8/12/16W 3/35/4	5	12	None
55	D136 Girls Locker Storage	110	1	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	1	38	None
56	D136 Girls Locker Office	85	2	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	28.5	None
57	D136 Girls Locker Office Rr	58	1	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	1	19	None
58	D136 Girls Locker Office Rr	31	1	1780	Retrofit\Relamp	T8 2' 9W Tube FCCT	1	18	None
59	D136 Girls Locker Office Rr	32	1	1780	New Rec Can	6" Commercial Downlight 8/12/16W 3/35/4	1	12	None
60	Girls Pe D122 Entry	58	2	3240	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	19	None
61	Girls Pe D122	110	7	3240	Retrofit\Relamp	T8 4' 9.5W Tube 4K	7	38	None
62	Girls Pe D122	58	2	3240	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	19	None
63	Girls Pe D122	32	5	3240	New Rec Can	6" Commercial Downlight 8/12/16W 3/35/4	5	12	None
64	Boys Pe D114 Entry	58	2	3240	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	19	None
65	Boys Pe D114 Entry	58	3	3240	Retrofit\Relamp	T8 4' 9.5W Tube 4K	3	19	None
66	Boys Pe D114 Entry	110	7	3240	Retrofit\Relamp	T8 4' 9.5W Tube 4K	7	38	None
67	Boys Pe D114 Entry	32	5	3240	New Rec Can	6" Commercial Downlight 8/12/16W 3/35/4	5	12	None
68	Boys Pe D114 Office	85	2	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	28.5	None
69	Boys Pe D114 Office Rr	58	1	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	1	19	None
70	Boys Pe D114 Office Rr	31	2	1780	Retrofit\Relamp	T8 2' 9W Tube FCCT	2	18	None
71	Boys Pe D114 Office Rr	32	1	1780	New Rec Can	6" Commercial Downlight 8/12/16W 3/35/4	1	12	None
72	D105 Boys Locker	58	4	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	4	19	None
73	D105 Boys Locker	110	9	1780	Retrofit\Relamp	T5 4' 14W Tube 4K	9	56	None
74	D105 Boys Locker	32	5	1780	New Rec Can	6" Commercial Downlight 8/12/16W 3/35/4	5	12	None
75	D105 Boys Locker Storage	110	1	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	1	38	None
76	D112 Storage	58	1	520	Retrofit\Relamp	T8 4' 9.5W Tube 4K	1	19	None
77	D123 Storage	58	6	520	Retrofit\Relamp	T8 4' 9.5W Tube 4K	6	19	None
78	D125 Storage	58	1	520	Retrofit\Relamp	T8 4' 9.5W Tube 4K	1	19	None
79	Office "Fire Extinguisher"	58	2	520	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	19	None
80	D142	58	2	520	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	19	None
81	Cust. Office	58	1	520	Retrofit\Relamp	T8 4' 9.5W Tube 4K	1	19	None
82	D138 Training	85	2	520	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	28.5	None

# HLWW High School

	Area	Existing Wattage	Qty	Hours	Work Type	New Lamp/Fixt Type	Qty	Proposed Wattage	Proposed Sensor Type
83	Hall By C117	58	7	3240	Retrofit\Relamp	T8 4' 9.5W Tube 4K	7	19	None
84	C133	110	4	520	Retrofit\Relamp	T8 4' 9.5W Tube 4K	4	38	None
85	D141 Staff Rr	58	1	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	1	19	None
86	D141 Staff Rr	31	1	1780	Retrofit\Relamp	T8 2' 9W Tube FCCT	1	18	None
87	D144	0	2	1780	DO NOT TOUCH	do not touch	2	0	None
88	C137	0	4	1780	DO NOT TOUCH	do not touch	4	0	None
89	D139	0	12	1780	DO NOT TOUCH	do not touch	12	0	None
90	C138	0	6	1780	DO NOT TOUCH	do not touch	6	0	None
91	Ms Lobby	112	29	3240	Retrofit\Relamp	T5 4' 14W Tube 4K	29	56	None
92	Ms Lobby	64	5	3240	Retrofit\Relamp	T5 4' 14W Tube 4K	5	28	None
93	Ms Lobby Cans	32	1	3240	DO NOT TOUCH	DO NOT TOUCH	1	32	None
94	Ms Library	112	16	3240	Retrofit\Relamp	T5 4' 14W Tube 4K	16	56	None
95	Ms Library	64	5	3240	Retrofit\Relamp	T5 4' 14W Tube 4K	5	28	None
96	Ms Office	64	1	3240	Retrofit\Relamp	T5 4' 14W Tube 4K	1	28	None
97	Ms Office	112	5	3240	Retrofit\Relamp	T5 4' 14W Tube 4K	5	56	None
98	Hs Media	112	31	3240	Retrofit\Relamp	T5 4' 14W Tube 4K	31	56	None
99	Hs Media	64	7	3240	Retrofit\Relamp	T5 4' 14W Tube 4K	7	28	None
100	Hs Media Office 1	85	7	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	7	28.5	None
101	Hs Media Office 2	85	2	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	28.5	None
102	Hs Media Office 2 Server	85	2	520	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	28.5	None
103	Tech Office	85	5	2343	Retrofit\Relamp	T8 4' 9.5W Tube 4K	5	28.5	None
104	Tech Office Closet	58	1	260	Retrofit\Relamp	T8 4' 9.5W Tube 4K	1	19	None
105	C105	85	12	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	12	28.5	None
106	B203 Entry	58	1	3240	Retrofit\Relamp	T8 4' 9.5W Tube 4K	1	19	None
107	B203 Entry Inside	58	1	3240	Retrofit\Relamp	T8 4' 9.5W Tube 4K	1	19	None
108	Auditorium	0	1	#N/A	DO NOT TOUCH	DO NOT TOUCH	1	0	None
109	Door D Hall	58	14	3240	Retrofit\Relamp	T8 4' 9.5W Tube 4K	14	19	None
110	Door B Hall	58	18	3240	Retrofit\Relamp	T8 4' 9.5W Tube 4K	18	19	None
111	Door A Hall	58	3	3240	Retrofit\Relamp	T8 4' 9.5W Tube 4K	3	19	None
112	Dpor C Hall	58	11	3240	Retrofit\Relamp	T8 4' 9.5W Tube 4K	11	19	None
113	Door C Hall To Door D Hall	58	12	3240	Retrofit\Relamp	T8 4' 9.5W Tube 4K	12	19	None
114	A134	85	24	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	24	28.5	None
115	A135	85	12	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	12	28.5	None
116	A136	85	12	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	12	28.5	None
117	A111	85	12	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	12	28.5	None
118	A112	85	12	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	12	28.5	None
119	A137	85	12	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	12	28.5	None
120	A138	85	6	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	6	28.5	None
121	A113	85	12	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	12	28.5	None
122	A114	85	12	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	12	28.5	None
123	A115	85	12	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	12	28.5	None

# HLWW High School

	Area	Existing Wattage	Qty	Hours	Work Type	New Lamp/Fixt Type	Qty	Proposed Wattage	Proposed Sensor Type
124	A116	85	12	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	12	28.5	None
125	A139	85	6	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	6	28.5	None
126	A141	85	6	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	6	28.5	None
127	A141 Rr	58	1	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	1	19	None
128	A141 Rr	58	1	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	1	19	None
129	A141 Rr	31	1	1780	Retrofit\Relamp	T8 2' 9W Tube FCCT	1	18	None
130	A117	85	12	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	12	28.5	None
131	A118	85	12	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	12	28.5	None
132	A119	85	12	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	12	28.5	None
133	A121	85	12	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	12	28.5	None
134	A143	85	5	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	5	28.5	None
135	A143 Closet	58	1	520	Retrofit\Relamp	T8 4' 9.5W Tube 4K	1	19	None
136	A122	85	20	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	20	28.5	None
137	A122 Closet/Chem	85	3	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	3	28.5	None
138	A122 Elect.	58	2	520	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	19	None
139	A126	85	20	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	20	28.5	None
140	A145 Rr	31	2	1780	Retrofit\Relamp	T8 2' 9W Tube FCCT	2	18	None
141	A145 Rr	58	7	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	7	19	None
142	A146	58	7	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	7	19	None
143	A146	31	2	1780	Retrofit\Relamp	T8 2' 9W Tube FCCT	2	18	None
144	A147 Storage	58	6	520	Retrofit\Relamp	T8 4' 9.5W Tube 4K	6	19	None
145	A148	85	16	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	16	28.5	None
146	A127	85	20	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	20	28.5	None
147	A149 Staff Rm	85	8	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	8	28.5	None
148	A149 Staff Rm Undercab	32	2	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	9.5	None
149	A149 Staff Rm Rrs	58	2	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	19	None
150	A149 Staff Rm Rrs	31	2	1780	Retrofit\Relamp	T8 2' 9W Tube FCCT	2	18	None
151	A151	58	1	260	Retrofit\Relamp	T8 4' 9.5W Tube 4K	1	19	None
152	A133	85	21	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	21	28.5	None
153	A133 Off	85	1	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	1	28.5	None
154	A133 Closet	58	1	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	1	19	None
155	A127 Closet	58	1	520	Retrofit\Relamp	T8 4' 9.5W Tube 4K	1	19	None
156	Band/Choir Hall	58	8	3240	Retrofit\Relamp	T8 4' 9.5W Tube 4K	8	19	None
157	B114 Storage	110	3	520	Retrofit\Relamp	T8 4' 9.5W Tube 4K	3	38	None
158	B116	112	21	1780	Retrofit\Relamp	T5 4' 14W Tube 4K	21	56	None
159	Choir Office	85	2	2343	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	28.5	None
160	Choir Work Rm	85	3	2343	Retrofit\Relamp	T8 4' 9.5W Tube 4K	3	28.5	None
161	Choir Work Rm Storage	85	3	2343	Retrofit\Relamp	T8 4' 9.5W Tube 4K	3	28.5	None
162	Practice Rm Hall	58	2	2343	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	19	None
163	Pracrice Rms	58	4	2343	Retrofit\Relamp	T8 4' 9.5W Tube 4K	4	19	None
164	B127 Band	112	27	1780	Retrofit\Relamp	T5 4' 14W Tube 4K	27	56	None

# HLWW High School

	Area	Existing Wattage	Qty	Hours	Work Type	New Lamp/Fixt Type	Qty	Proposed Wattage	Proposed Sensor Type
165	B127 Band	64	5	1780	Retrofit\Relamp	T5 4' 14W Tube 4K	5	28	None
166	B127 Band Office	85	2	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	28.5	None
167	Door Ff Hall	58	13	3240	Retrofit\Relamp	T8 4' 9.5W Tube 4K	13	19	None
168	B131 Rr	58	8	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	8	19	None
169	B138	58	11	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	11	19	None
170	B138	31	1	1780	Retrofit\Relamp	T8 2' 9W Tube FCCT	1	18	None
171	B139 Jan	58	1	520	Retrofit\Relamp	T8 4' 9.5W Tube 4K	1	19	None
172	B141 Stor	58	1	520	Retrofit\Relamp	T8 4' 9.5W Tube 4K	1	19	None
173	B140 Stor	32	1	520	Retrofit\Relamp	T8 4' 9.5W Tube 4K	1	9.5	None
174	Concessions	110	2	520	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	38	None
175	Ag Hall	58	6	3240	Retrofit\Relamp	T8 4' 9.5W Tube 4K	6	19	None
176	B137	85	12	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	12	28.5	None
177	B136	85	12	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	12	28.5	None
178	B129 Wood Shop	226	15	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	15	57	None
179	B129 Wood Shop Fire Alarm	58	2	1780	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	19	None
180	B134 Ag Shop	0	1	#N/A	DO NOT TOUCH	DO NOT TOUCH	1	0	None
181	B129/Joe Office	58	2	2343	Retrofit\Relamp	T8 4' 9.5W Tube 4K	2	19	None
182	Door L Hall	58	11	3240	Retrofit\Relamp	T8 4' 9.5W Tube 4K	11	19	None
183	Emergency Lighting	0	30	8760	New Exit	LED Exit Sign with Emergency Lights White/f	30	4	None
184	Emergency Lighting	0	25	8760	New Exit	Emergency Lights - Bug Eyes	25	#VALUE!	None
185	Exterior Lighting	0	1	#N/A	DO NOT TOUCH	DO NOT TOUCH	1	0	None
186	Cafeteria Emergency Lighting	0	8	#N/A	New Exit	HO Bug Eyes	8	10.8	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 04/22/2024  
THIS PROPOSAL VALID FOR 30 DAYS

Bill To: <b>HLWW High School</b>	Installation: <b>HLWW High School</b>
8700 County Road 6 SW	8700 County Road 6 SW
Address: Howard Lake	Address: Howard Lake
MN, 55349	MN, 55349
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	\$92,203.06	\$92,203.06
	*Includes: Project Material, Labor, Shipping, Tax, Lamp & Ballast Recycling and Permit.		
	**Emergency/Battery-Backup ballasts are not included in this project.		
	Estimated Utility Rebate		\$7,091.50

Terms:  
50% down payment on gross project price (\$46,101.53) 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	\$85,111.56
Shipping & Handling	Included
Tax	Included
<b>TOTAL LESS REBATE</b>	<b>\$85,111.56</b>
<b>TOTAL BEFORE REBATE</b>	<b>\$92,203.06</b>

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