

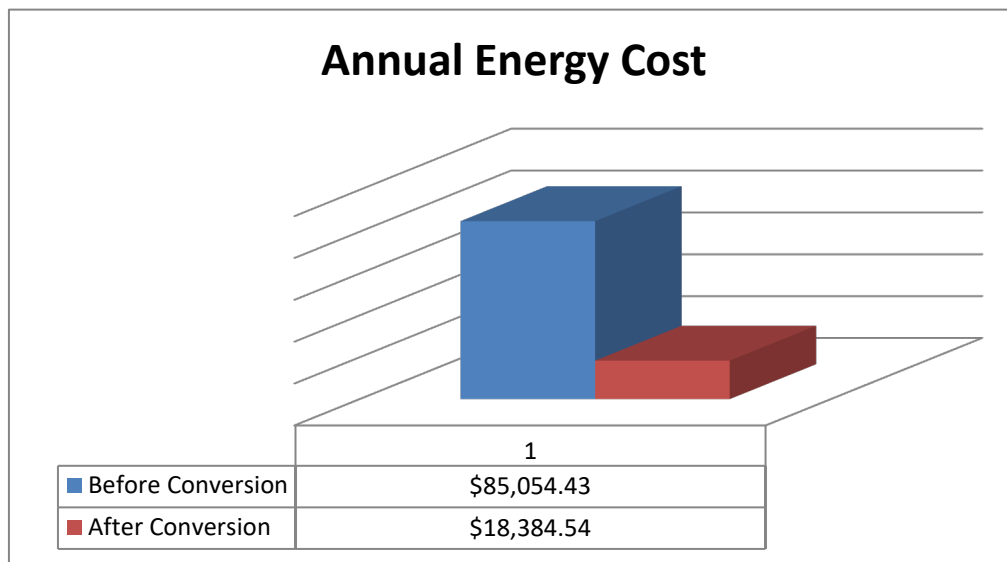
COST ANALYSIS

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Project Cost	\$197,000.00
DTE Incentive non DLC	\$98,000.00
Retrofit Costs (With Rebates)	\$99,000.00
Annual Energy Savings	\$66,669.89
Project Pay Back Period	18 Months
Return on Investment Thru 5 years	208.41%

Project pay back period equal to $\frac{\text{Project Cost} - \text{DTE Incentive}}{\text{Annual Energy Savings}}$

Project Cost less DTE Incentive divided by Annual Energy Savings



Reduction in Annual Energy Cost 78%

EcoAdvantage: CO2 Emissions Reduction

787916.9376 Lbs. or 66 SUV's off the road

Crain Communications

6/14/2024

Power Usage Sheet

DTE
rate/kw

0.11

Presently installed lighting plant

DTE REF	QTY	DESCRIPTION	Watts Per	DTE watts per	Watts Used	DTE watts Used	Annual Hours	Annual KWH	DTE Annual KWH	Annual energy cost
170		750w MH lamp/ballast M750MLTAC 5m	756	756	128520	128520	5616	721768	721768	\$79,394.52
45		F32T8/48 lamp/ballast B432PUNVHP-A bi pin 4 lamp conversion	119	119	5355	5355	5616	30073.7	30073.7	\$3,308.10
15		F59T8/96 lamp/ballast B259IUNVHP-A single pin two lamp conversion	113	113	1695	1695	5616	9519.12	9519.12	\$1,047.10
30		FBO32/841/6/ECO lamp/ballast B432PUNVHP-A U lamp	62	62	1860	1860	5616	10445.8	10445.8	\$1,149.03
262	Units		8620	8272	137682	137682	Totals	773222	773222	\$85,054.43

Proposed lighting plant

DTE REF	QTY	DESCRIPTION	Watts Per	DTE watts per	Watts Used	DTE watts Used	Annual Hours	Annual KWH	DTE Annual KWH	Annual energy cost
170		150 watt LED UFO S-SCBQA4	150	150	25500	25500	5616	143208	143208	\$15,752.88
45		Qty(4) 4' LED tube 10.5 watts PRQ3MKHX.	44	44	1980	1980	5616	11119.7	11119.7	\$1,223.16
30		Qty (2) 4' U-Bend LED tubes PLVCJOQ7A3NV	36	36	1080	1080	5616	6065.28	6065.28	\$667.18
15		Qty (2) 8' LED tube PLHYC9JS4VPM	80	80	1200	1200	5616	6739.2	6739.2	\$741.31
260	Units		2276.5	2230.5	29760	29760	Totals	167132	167132	\$18,384.54

Actual Kw savings 606090
Total Annual Savings \$66,669.89

Before Conversion \$85,054.43
After Conversion \$18,384.54

Crain Communications Scope of Work

DTE REF

Qty (45) 2 x 4 F48T8 4 lamp fixture retrofitted to 4 4' 5000k LED lamp

Qty (30) 2 x 4 FBO32 2 ulamp fixture retrofitted to 2 4' 5000k LED ulamp

Qty (30) 2 x 8 F59T8/96 2 lamp 8' fixture retrofitted to 2 8' 5000k LED lamp

Qty (170) 750w MH High bay fixture replaced with 150 watt LED UFO High bay Fixture