

		DATE	11/9/2021																																																																																																	
Project Name	Install LED Lights With Motion Sensors				Sponsor	David Busby																																																																																														
Project Overview:					Prog / Proj Mgr	Victor Lemos																																																																																														
<p>The warehouse has T5 and T8 lights that are operating at 240W and are on an estimated 95% of the time during work hours. This project proposes to replace lights with LEDs at 170W. The new lights will be fitted with motion sensors to operate only when movement is detected. Initial estimates are the LEDs would be on 25% of the time.</p>					Plant / Dept	Rancho Cucamonga																																																																																														
					Business Unit	NAIP																																																																																														
					Type of Project	Cost Savings																																																																																														
					Start / Completion Date	08-31-21 / 10-18-21																																																																																														
					Overall Status			% Complete	100%																																																																																											
					Schedule			Resources																																																																																												
					Budget			Risks																																																																																												
G	On track No Major Issues		Y	Delays Some Risks		R	Past Plan Date High Risks		NS	Not Started																																																																																										
Current Status and Results:					#	Actions / Going Forward				Resp																																																																																										
<p>The Capex was approved on 8/31/21. The installation of the new lights began on 10/05/21 and was completed on 10/18/21.</p>					1	Review monthly electricity bills to validate the savings.				Pablo Garcia																																																																																										
<p>REPLACE T5 Light for LED light w/ photo cells costs Vs benefits</p> <table border="1"> <thead> <tr> <th rowspan="2">Type</th> <th rowspan="2">Quantity</th> <th rowspan="2">Wats</th> <th rowspan="2">% Used</th> <th colspan="4">POWER COSTS</th> <th colspan="2">OTHER COSTS</th> <th rowspan="2">Grand Total</th> <th rowspan="2">YEAR SAVINGS</th> </tr> <tr> <th>Daily KW</th> <th>Daily Cost</th> <th>Monthly KW</th> <th>Monthly Cost</th> <th>Year KW</th> <th>Year KW Cost</th> <th>Year replacement</th> <th>Year Maint cost</th> </tr> </thead> <tbody> <tr> <td>T5</td> <td>60</td> <td>240</td> <td>100%</td> <td>345.60</td> <td>27.648</td> <td>9331.2</td> <td>746.496</td> <td>111974.4</td> <td>\$8,957.95</td> <td>\$1,950.00</td> <td>\$2,000.00</td> <td>\$12,907.95</td> <td></td> </tr> <tr> <td>LED</td> <td>60</td> <td>170</td> <td>25%</td> <td>61.20</td> <td>4.896</td> <td>1652.4</td> <td>132.192</td> <td>19828.8</td> <td>\$1,586.30</td> <td>\$0.00</td> <td>\$0.00</td> <td>\$1,586.30</td> <td>\$11,321.65</td> </tr> <tr> <td colspan="10">LED lamps come with photo cells.</td> <td>24</td> <td>27</td> <td>12</td> <td>\$0.08</td> </tr> <tr> <td colspan="10">This allows you to save energy, since they only turn on when they detect movement.</td> <td>Day Hours</td> <td>Days Month</td> <td>Year</td> <td>KW Hour Cost</td> </tr> <tr> <td colspan="10">In the warehouse a maximum of 25% of the time the lights will be on.</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>					Type	Quantity	Wats	% Used	POWER COSTS				OTHER COSTS		Grand Total	YEAR SAVINGS	Daily KW	Daily Cost	Monthly KW	Monthly Cost	Year KW	Year KW Cost	Year replacement	Year Maint cost	T5	60	240	100%	345.60	27.648	9331.2	746.496	111974.4	\$8,957.95	\$1,950.00	\$2,000.00	\$12,907.95		LED	60	170	25%	61.20	4.896	1652.4	132.192	19828.8	\$1,586.30	\$0.00	\$0.00	\$1,586.30	\$11,321.65	LED lamps come with photo cells.										24	27	12	\$0.08	This allows you to save energy, since they only turn on when they detect movement.										Day Hours	Days Month	Year	KW Hour Cost	In the warehouse a maximum of 25% of the time the lights will be on.														2	Install the same technology in the Production area, Maintenance and Offices with 2022 Capex.				Victor Lemos
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Project Impact:					<p>Estimated annual savings \$11,322 on \$22,000 investigate. Non-financial impact is that the Warehouse and Production forklift drivers now enjoy a brighter and safer environment to operate within.</p>																																																																																															