



FILL IN GREEN CELLS ONLY

ENERGY SAVINGS AUDIT

CLIENT: Santa Clara University



MADE IN USA

19-Aug-15

CURRENT LIGHTS							AMAGINE LIGHTS		
ITEM	CONVENTIONAL LIGHT	Fixture Quantity	Lamps / Fixture	Fixture Wattage	Weekly Hours	Weekly Wattage	Description	Lamp Quantity	Fixture Wattage
HIGH WATTAGE LED BAY LIGHTS - FACTORY, WAREHOUSE & RETAIL									
1	250W Bay Light	0	1	293	0	-	90W LED Bay Light	0	90
2	4-T8 Fluorescent 2x4 BAY LIGHT	0	4	166	0	-	90W LED Bay Light	0	90
3	240W Circular Induction Bay Light	0	1	240	0	-	90W LED Bay Light -Dimmable	0	90
4	400W Bay Light	24	1	468	80	1,010,880	126W LED Bay Light - Dimmable	0	126
5	6-T8 Fluorescent 2x4 Bay Fixture	0	6	249	0	-	126W LED Bay Light	0	126
6	4-T5 Fluorescent 2x4 Bay Fixture	0	4	240	0	-	126W LED Bay Light	0	126
7	700W Bay Light	0	1	819	0	-	252W LED Bay Light	24	252
8	1000W Bay Light	0	1	1170	0	-	378W LED Bay Light	0	350
LOW WATTAGE LED TUBE LAMPS - OFFICE, CLASSROOM & RETAIL									KIT WATTS
1	T8/T12 4FT Fluorescent 1x4 Fixture	0	1	38	0	-	One 4ft LED Tube & Controller	0	19.5
2	T8/T12 4FT Fluorescent 1x4 Fixture	0	2	72	0	-	Two 4ft LED Tubes & Controller	0	37.5
3	T8/T12 4FT Fluorescent 2x4 Fixture	0	3	110	0	-	Three 4ft LED Tubes & Two Controllers	0	55.5
4	T8/T12 4FT Fluorescent 2x4 Fixture	0	4	144	0	-	Two 4ft LED Tubes & Controller	0	46
5	T8/T12 8FT Fluorescent 1x8 Fixture	0	2	206	0	-	Two 4ft LED Tubes & Controller 8ft Conversi	0	46

ANNUAL ENERGY SAVINGS	
NUMBER OF DIFFERENT LAMPS AUDITED	1
WEEKLY AVERAGE OPERATIONAL HOURS	80.0
OPERATIONAL WEEKS	52
'DELIVERED' ELECTRICITY COST (\$/KWH)	\$ 0.119
CURRENT ANNUAL COST	\$ 6,255
NEW ANNUAL COST	\$ 4,686
ANNUAL ENERGY SAVINGS	\$ 1,569
ENERGY SAVINGS - 5 YRS	\$ 18,862

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ENERGY SAVINGS	
25.1%	
TOTAL WATTS SAVED	
52,565,760	

TOTAL PAYBACK=
3.65 YRS

MAINTENANCE SAVINGS PER YEAR	
EQUIPMENT & LABOR RATE	\$ 125
HPS BALLAST	\$ 1,633
BULBS & FLUORESCENT LAMPS	\$ 1,500
ANNUAL MAINTENANCE SAVINGS	\$ 3,133

TOTAL SAVINGS	
ANNUAL ENERGY & MAINTENANCE	\$ 4,703
TOTAL SAVINGS OVER 5 YRS	\$ 56,523

NET COSTS	
FIXTURE COSTS	\$ 20,376
ESTIMATED REBATE	\$ 3,200
NET COST	\$ 17,176

SVP ESTIMATED PAYMENT PLAN	
MONTHLY PAYMENTS (5 YEAR)	\$ 286
ANNUAL PAYMENTS	\$ 3,435
NET POSITIVE CASH FLOW PER YEAR	\$ 1,268

*Delivered Electricity Rate is the total cost of the electric bill divided by the total kilowatts consumed.