



Cash Financial Analysis

After the lighting survey conducted on site, the following calculations and estimates can be made:

Demand for Lighting per hour	
Before	After
8.428 kWh	2.514 kWh

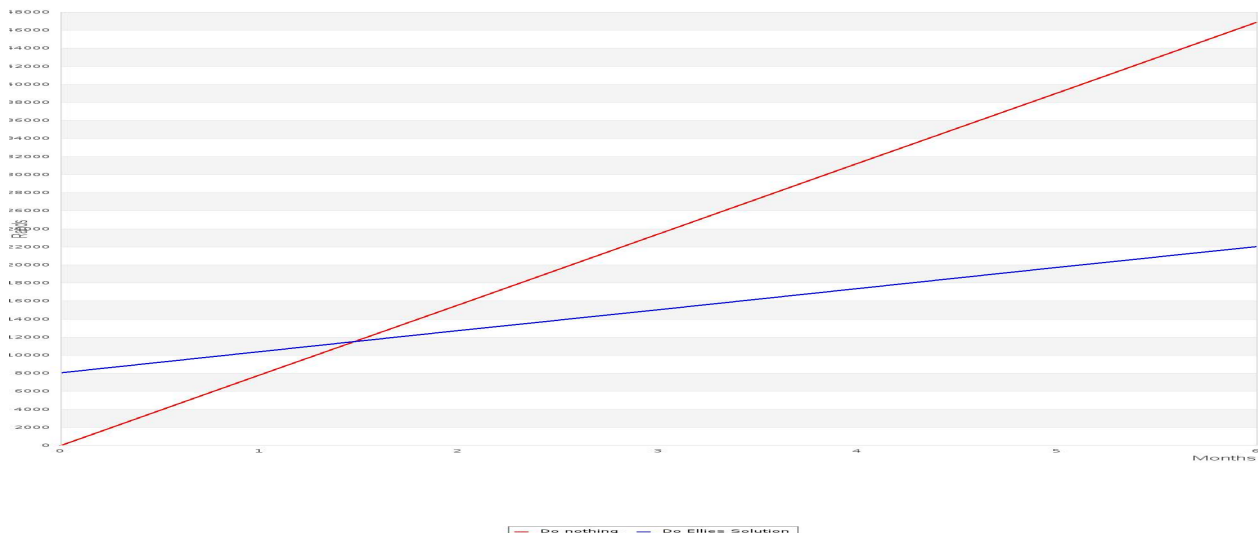
Electricity Consumption per day	
Before	After
202.275 kWh	60.328 kWh

Monthly Cost	
Before	After
R 7,813.73	R 2,330.40

Project Cost ex VAT
R 8,070.39

Expected Monthly Saving
R 5,483.33

% Saving
70%



The breakeven point is calculated as the amount of time (in months) that the savings achieved from retrofitting old technologies will take to recover the initial project expense.

How the calculations are done (unrelated example)

The running costs indicated below is based on 10 burning hours per day (07:00 until 17:00) for 25 days per month. A cost of R1.00 per kWh is assumed.



4ft Fluorescent
36W

0.036 kWh



4ft LED Tube
20W

0.020 kWh



Incandescent Lamp
60W

0.060 kWh



A60 LED Lamp
7W

0.007 kWh



Halogen Lamp
50W

0.050 kWh



LED Lamp
6W

0.006 kWh

Cost per Hour:	≈ R0.04	≈ R0.02	≈ R0.06	≈ R0.01	≈ R0.05	≈ R0.01
Cost per Day	= R0.36	= R0.20	= R0.60	= R0.07	= R0.50	= R0.06
Cost per Month	= R9.00	= R5.00	= R15.00	= R1.75	= R12.50	= R1.50

JOHANNESBURG

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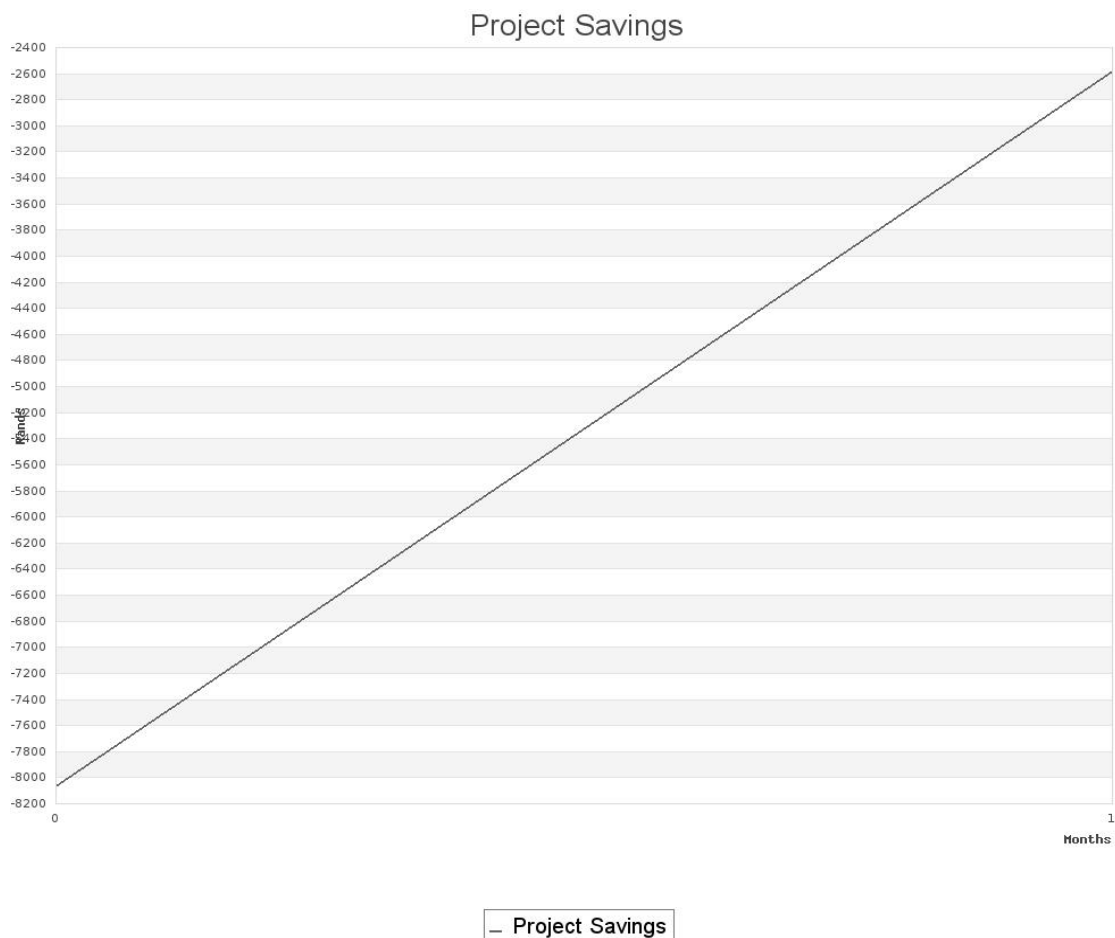
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Replacement Items Overview

Payback Period	Monthly Savings	Percentage Saved(%)	Savings after 5 years
1.47 Months	R5,483.33	70%	R 395,648.85

Cost Overview - Cash Option

Category	Product Price	Installation	Total Price
Replacement Products	R8,072.39	R-2.00	R8,070.39
Additional Products	R250.46	R163.13	R413.59
Total	R8,322.85	R161.13	R8,483.98



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Project Details

Type of Premises (Mark with x):	<input checked="" type="checkbox"/> Business	<input type="checkbox"/> Home	<input type="checkbox"/> Other
Company Name	ellies	Contact Person	juan smith
Physical Address	office park	Telephone	0786286741
		E-mail	showtimeinstall@yahoo.co.za
Telephone	0111222333	Date	2016-11-03

Additional Information

Project Manager	None	Region	Village Deep
Installer	None		
Sales Rep	None		
Electricity Supplier	Eskom	Type of Connection	<input checked="" type="checkbox"/> Single Phase <input type="checkbox"/> Three Phase
Cost per kWh	R 1.27	Meter Number	None

Consumption Data and Installation Details

Electricity Accounts	Travel (km)	Ceiling Height	Contingency
	0	0.00	0.00
	Installation <input checked="" type="checkbox"/>		

Notes:

None

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Additional Products

Item Code	Description	Quantity	Unit Cost	Extended Cost
FLAUCA37WE14D	5W Candle Tip WW E14 Dim	1	169	169

Total Value excluding VAT	169.00
VAT Calculated at 14%	23.66
Total Value Including VAT	192.66

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Scope of Works

This project entails the supply and installation of 6 efficient lighting technologies to retrofit or replace 6 inefficient lighting sources found at the premises of ellies. Measurements were done to show savings in consumption more accurately. No measurements were done, which means that all savings are based on estimated values. Work to be completed per specified location is described below.

Replacement Products

Additional Products

Area	Old Technology	Quantity	Replacement Technology	Quantity	Hours Operated	Replace Fitting
Ground - Office		0	5W Candle Tip WW E14 Dim	1	0	E14

Quote Acceptance

I,
in my Capacity as
hereby accept the quotation submitted to me by Ellies for 6 of energy efficient lighting to the amount of R0. I understand that a 10% deposit is payable before any work will commence and that the rest of the amount will be payable upon completion of the job and signing of the jobcard below once all equipment

Signed at: _____ on this _____ day of _____

_____ for the Customer

_____ for the Company: Ellies

Terms and conditions

- This Quote is valid for a period of thirty (30) days from date hereof. Should we receive your order AFTER thirty (30) days from date hereof, we may need to adjust your pricing based on the ruling rates of exchange.
- Our proposal is based on current exchange rates.
- The scope of works may change while our contractors are on site due to changes in your requirements. Any items exceeding the above quantities will be charged separately at the same rate as detailed above.
- The estimated savings are based on operating hours given by customer and electricity bill provided.
- Should the actual design differ from the information supplied then a revised variation quote will be submitted to you.
- Our labour rates are based on normal working hours. Should you require work to be done after hours, labour will be charged at ruling overtime rates and a new quote will be supplied.
- It is the sole responsibility of the business owner to ensure that all equipment and furniture is moved so as to allow unhindered access to all required areas to complete the installation. Ellies and its representatives are fully indemnified against all responsibility arising from any damage in this regard.
- Ellies warrants, subject to our normal condition of sale which are available on request, the equipment and services
- E. and O.E.
- The installation carries a warranty for a period of twelve (12) months from the date of installation
- Lighting products carry a 3 year warranty from the date of installation..
- Should payment not be made on due date, Ellies reserves the right to remove all equipment installed and claim such damages from the client.
- Interest at 2% per month will be levied on all overdue accounts.

Additional terms and conditions if the project is paid as a full maintenance rental contract

- Ellies will endeavour to investigate and replace where necessary any Ellies installed products indicated in this quote that may fail during the duration of the contract term, within 72 hours of the fault being reported subject to any circumstances beyond our control that may prevent service delivery within the stipulated time frame. Callout operating hours Monday to Friday 08:00 - 17:00 excluding public holidays
- Additional terms and conditions are stipulated in the rental contract which must be signed in addition to this quote acceptance document.
- Contracts are subject to a 20% Deposit to be paid upfront

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Job Card

Ship To:

Company: ellies
Address: office park
Contact: juan smith
Cellphone: 0786286741

Date:

This project entails the supply and installation of 6 efficient lighting technologies to retrofit or replace 6 inefficient lighting sources found at the premises of ellies. Work to be completed per specified location is described below.

Item Code	Description	Quantity	Unit Cost	Extended Cost
FLED10W	10W LED Floodlight	2	437.19	874.38
FLSLS6C	6W Slim Square Downlight CW	2	291.89	583.78
FLCCE14WD	3W LED Candle E14 Dim WW	2	195.56	391.12
FSFSH23	STORM	23	171.91	3953.93
FLED20WS	20W LED Flood with sensor	2	1134.59	2269.18
FLAUCA37WE14D	5W Candle Tip WW E14 Dim	1	250.46	250.46
Labour		0	0	0
Travel		0	-	0.00
Crush		-	-	0.00
Materials		-	-	0.00

Code	Supplied	Used
FLED10W	N/A	N/A
FLSLS6C	N/A	N/A
FLCCE14WD	N/A	N/A
FSFSH23	N/A	N/A
FLED20WS	N/A	N/A
FLAUCA37WE14D	N/A	N/A

Total Value excluding VAT	8,322.85
VAT Calculated at 14%	1,165.20
Total Value Including VAT	9,488.05

Project signed off on:

For Customer juan smith:

For Installer:

Stock used and returned to be indicated above.
At least 5 pictures to be taken on site.
Customer and Installer to sign completed Job Card.