



Energy Usage Assessment Report

BELLA VISTA HOTEL





carbonSAVVY
energy management consultants

ABN 72 060 530 930

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Energy Assessment Recommendations

This action plan identifies specific opportunities to improve your energy use and save you money. It also outlines low and no cost actions that you can do immediately to start saving on your bill.

Often just small changes like making better use of natural light or increasing your air conditioning thermostat by one degree in summer can make a big difference to the cost of your electricity bills over a year and reduce carbon pollution. Over the long term, significant energy and financial savings can be achieved by operating existing equipment more efficiently or replacing outdated equipment.

Following your on-site energy assessment, the summary of recommendations show ways you can save electricity by improving the efficiency of existing equipment or installing new equipment that is more energy efficient. Return on investment indications are included for each action listed below.

Lighting

The Green Guys Group is an Accredited Certificate Supplier (ACP) under the NSW Energy Saving Scheme. This enables us to create Energy Saving Certificates (ESC's) that can be used to offset the cost of energy efficient upgrades. Given this we have undertaken an assessment of your current lighting and have identified areas for significant energy savings. Please find attached your quotation.

The following outcomes are achievable by the proposed upgrade:

- \$3,436 AUD yearly savings
- 32,269 kWh saved (yearly)
- Simple ROI payback of 13 months

All of our products have been approved by IPART, carry product and workmanship warranties and meet all Australian Standards. Please find a full product brochure attached.

Power Factor

Power Factor is a measure of how effectively incoming power is used in your business and is defined as the ratio of real (working) power to apparent (total) power. An electricity load with a low Power Factor draws more current than is required and can put unnecessary strain on the electricity distribution network. By increasing your Power Factor, you can reduce your electricity bills through lower monthly demand and capacity charges

Your main meter NMI 43108238943 has a Power Factor of 0.922 which is good.

- Energy Assessment
- Energy Efficient Lighting
- HVAC
- Solar Panel Solutions
- Power Factor Correction
- Voltage Stabilization
- Energy Tariff Brokerage
- Refrigeration Technology



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Refrigeration

This represents approximately 40% of your usage.

The following is suggested for your refrigeration :-

· Supply & Fit a Chill Bill to all your Cool Rooms @ \$310 + \$50 install = \$360 each ex GST.

- **Kitchen** 7,862kWh pa \$1,022 pa 25% \$256

- **Warehouse** 23,587kWh pa \$3,066 pa 25% \$767

- **Kitchen** 4,717kWh pa \$ 614 pa 25% \$153

- **Total \$4,702 pa \$1,176 pa Savings**

- **Payback 0.92 Years**

Please see brochure attached

· Check all Cool Room Door Fittings for repair. Some are in need of same.

· Investigate the installation of Air Curtains in your high traffic Cool Rooms. It is reasonable to assume that cool room doors are open for longer than required times. Some of this could be addressed through staff training.

Voltage Optimisation

Voltage Optimisation is in place. We have not checked its effectiveness as install date was not provided.

Commercial Solar

System Size 98.8 Kw

Annual Output 151,460 Kwh's – Approximately one third of Daylight Hours used.

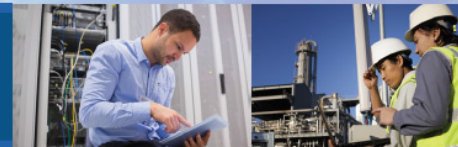
Pricing after STC's \$108,941

Year 1 Generated Electricity \$20,447 pa / \$1,704 per month

Finance \$1,642

- Energy Assessment
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Energy Usage Summary

Based on the energy bills we were provided with, your annual electricity usage is **839,984 kWh**

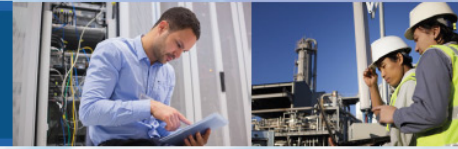
We have assessed your annual electricity usage to be **739,626 kWh** at a cost of **\$ 96,151.39**

The variation on this assessment is **-11.95%** or **-100,358 kWh**

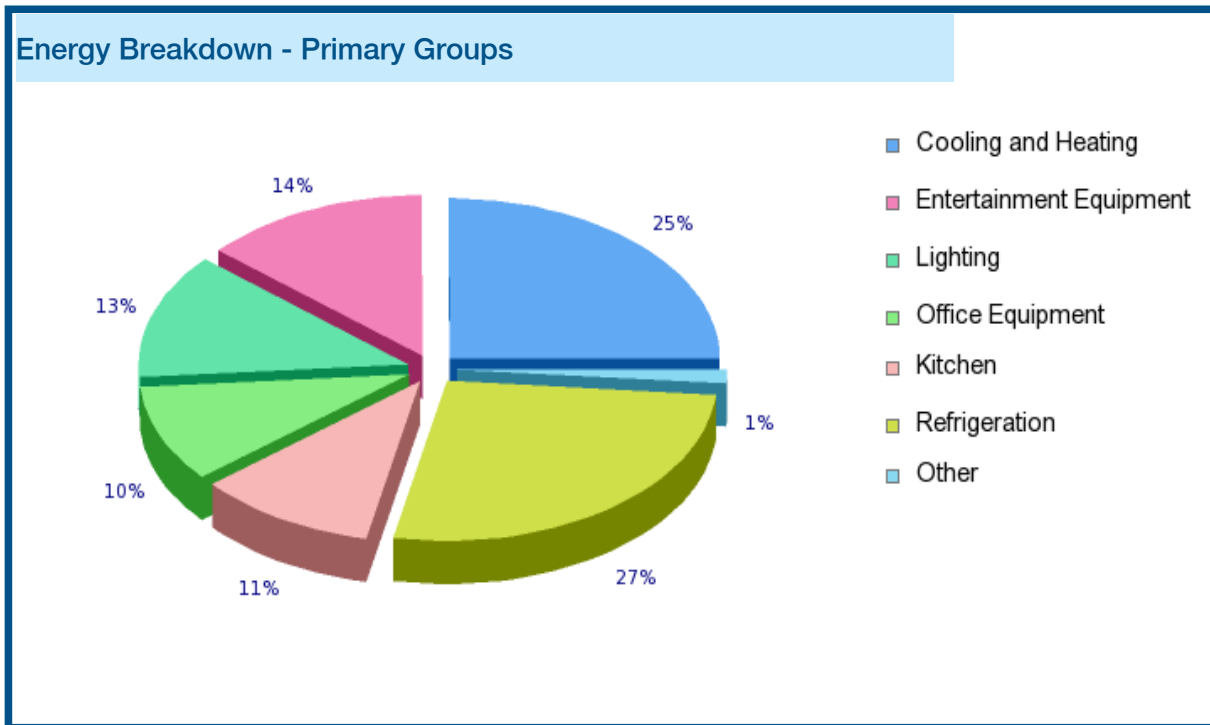
Hot Water System Details

Your annual Hot water usage costs have been assessed as consuming **4401.9 kWh**

- Based on 6.7kWh/100L/day for Storage Systems (Using 100L per day)
- Based on 6.7kWh/100L/day for Storage Systems (Using 80L per day)



Energy Usage Summary - Primary Groups



* Please note rounding may result in total consumption not total to 100%

Electricity Usage Analysis - Primary Groups

Application	Usage (kWh)	Standby (kWh)	Cost	% Total
Cooling and Heating	175,944.40 kWh	0.00 kWh	\$22,872.77	24.88%
Entertainment Equipment	95,613.48 kWh	32,274.97 kWh	\$16,625.50	13.52%
Lighting	88,749.15 kWh	0.00 kWh	\$11,537.39	12.55%
Office Equipment	68,843.68 kWh	93.22 kWh	\$8,961.80	9.74%
Kitchen	75,590.34 kWh	42.02 kWh	\$9,832.21	10.69%
Refrigeration	188,148.71 kWh	0.00 kWh	\$24,459.33	26.61%
Other	9,883.95 kWh	40.23 kWh	\$1,290.14	1.40%
Hot Water	4,401.90 kWh	0.00 kWh	\$572.25	0.62%
Total	707,175.62 kWh	32,450.43 kWh	\$96,151.39	100.00%

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Individual Item Outputs

item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
Air-conditioning Packaged Unit									
Aircon Packaged Unit 7200W	1	7200W (0W)	16	7	51.0	60%	24675.84 (0)	fixed	\$3,207.86 (\$0.00)
Aircon Packaged Unit 8500W	3	8500W (0W)	16	7	51.0	60%	87393.6 (0)	fixed	\$11,361.17 (\$0.00)
item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
Boardroom									
Television - LCD Small (60W)	1	60W (1W)	0	7	51.0	100%	5.9976 (8.66004)	fixed	\$0.78 (\$1.13)
LED 9W gu10 240V (9W)	16	9W (0W)	15	7	51.0	100%	749.01456 (0)	fixed	\$97.37 (\$0.00)
Projector (300W)	1	300W (0W)	0	7	51.0	100%	29.988 (0)	fixed	\$3.90 (\$0.00)
item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
Booth Areas									
Television - LCD Large (160W)	1	160W (1W)	15	7	51.0	100%	832.2384 (3.55851)	fixed	\$108.19 (\$0.46)
LED strips 460W	4	460W (0W)	15	7	51.0	100%	9570.7416 (0)	fixed	\$1,244.20 (\$0.00)
candle incandescent 20 W	24	20W (0W)	15	7	51.0	100%	2496.7152 (0)	fixed	\$324.57 (\$0.00)
item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
CAFE									
Cash Register (140 W)	2	140W (0W)	15	7	51.0	100%	1456.4172 (0)	fixed	\$189.33 (\$0.00)

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item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
CAFE (cont.)									
Ice Cream, Yogurt Machine 2400W	1	2400W (0W)	24	7	52.0	50%	10483.2 (0)	fixed	\$1,362.82 (\$0.00)
Fridge Large Cake Display 1200W	1	1200W (0W)	24	7	52.0	60%	6289.92 (0)	fixed	\$817.69 (\$0.00)
EFTPOS Terminal (40W)	1	40W (0W)	24	7	52.0	100%	349.44 (0)	fixed	\$45.43 (\$0.00)
Coffee grinder	1	200W (0W)	1	7	51.0	100%	71.4 (0)	fixed	\$9.28 (\$0.00)
Cappuccino machine large	1	4500W (0W)	24	7	52.0	50%	19656 (0)	fixed	\$2,555.28 (\$0.00)
Glass washing machine	1	2200W (0W)	1	7	51.0	100%	785.4 (0)	fixed	\$102.10 (\$0.00)
Toaster conveyer medium	1	3300W (0W)	1	7	51.0	100%	1178.1 (0)	fixed	\$153.15 (\$0.00)
Refrigerator - 3 Door Display (Bar) 1000w	1	1000W (0W)	24	7	52.0	60%	5241.6 (0)	fixed	\$681.41 (\$0.00)
Mirowave 800W	1	800W (5W)	1	7	51.0	100%	285.6 (42.015)	fixed	\$37.13 (\$5.46)
Blender 800W	1	800W (0W)	1	7	51.0	100%	285.6 (0)	fixed	\$37.13 (\$0.00)
item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
Cafe, Dining									
Television - LCD Large (160W)	2	160W (1W)	15	7	51.0	100%	1664.4768 (7.11702)	fixed	\$216.38 (\$0.93)
candle incandescent 20 W	86	20W (0W)	15	7	51.0	100%	8946.5628 (0)	fixed	\$1,163.05 (\$0.00)
LED strips 460W	1	460W (0W)	15	7	51.0	100%	2392.6854 (0)	fixed	\$311.05 (\$0.00)
ATM (500W)	1	500W (150W)	24	7	52.0	100%	4368 (3.6)	fixed	\$567.84 (\$0.47)
LED 5W 12V (9W)	5	9W (0W)	15	7	51.0	100%	234.06705 (0)	fixed	\$30.43 (\$0.00)
Breath Tester 150W	1	150W (0W)	15	7	51.0	100%	780.2235 (0)	fixed	\$101.43 (\$0.00)
LED 5W 12V (9W)	18	9W (0W)	15	7	51.0	100%	842.64138 (0)	fixed	\$109.54 (\$0.00)
LED Strip 120W	1	120W (0W)	15	7	51.0	100%	624.1788 (0)	fixed	\$81.14 (\$0.00)

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item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
Cafe, Dining (cont.)									
item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
Cleaners									
Cleaners 3000W	1	3000W (0W)	3	7	51.0	100%	3213 (0)	fixed	\$417.69 (\$0.00)
item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
Comms Room									
Server & Networking Equipment (600W)	6	600W (0W)	24	7	52.0	100%	31449.6 (0)	fixed	\$4,088.45 (\$0.00)
Aircon Invertor 3600W	1	3600W (0W)	7	7	52.0	100%	9172.8 (0)	fixed	\$1,192.46 (\$0.00)
Chargers 10W	2	10W (0W)	24	7	52.0	100%	174.72 (0)	fixed	\$22.71 (\$0.00)
Security System (180W)	1	180W (20W)	24	7	52.0	100%	1572.48 (0.48)	fixed	\$204.42 (\$0.06)
LCD Monitor (40W)	2	40W (2W)	24	7	52.0	100%	698.88 (0.096)	fixed	\$90.85 (\$0.01)
Television - LCD Small (60W)	1	60W (1W)	24	7	52.0	100%	524.16 (0.024)	fixed	\$68.14 (\$0.00)
Fluro 36W Magnetic T8 (46W)	6	46W (0W)	15	7	51.0	100%	1435.61124 (0)	fixed	\$186.63 (\$0.00)
Telephone System (PBX) - Large	1	250W (0W)	24	7	52.0	100%	2184 (0)	fixed	\$283.92 (\$0.00)
item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
Dining Area									
Exit Light 20 W	8	20W (0W)	24	7	52.0	100%	1397.76 (0)	fixed	\$181.71 (\$0.00)
candle incandescent 20 W	22	20W (0W)	15	7	51.0	100%	2288.6556 (0)	fixed	\$297.53 (\$0.00)
item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
External Security Lights									
LED Spotlight 50 W	7	50W (0W)	12	7	52.0	100%	1528.8 (0)	fixed	\$198.74 (\$0.00)

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item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
External Security Lights (cont.)									
item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
Functions Office									
Oil Heater Column 1000W	1	1000W (0W)	5	7	24.0	40%	336 (0)	fixed	\$43.68 (\$0.00)
Fluro 36W Magnetic T8 (46W)	12	46W (0W)	15	7	51.0	100%	2871.22248 (0)	fixed	\$373.26 (\$0.00)
Laptop Computer (40W)	3	40W (5W)	8	7	51.0	100%	342.72 (88.56)	fixed	\$44.55 (\$11.51)
Chargers 10W	4	10W (0W)	24	7	52.0	100%	349.44 (0)	fixed	\$45.43 (\$0.00)
Printer Large 200W	1	200W (0W)	8	7	51.0	100%	571.2 (0)	fixed	\$74.26 (\$0.00)
Laminator 100W	1	100W (0W)	0	3	51.0	100%	2.448 (0)	fixed	\$0.32 (\$0.00)
Computer	1	400W (0W)	8	7	51.0	100%	1142.4 (0)	fixed	\$148.51 (\$0.00)
Telephone System (PBX) - Large	1	250W (0W)	24	7	52.0	100%	2184 (0)	fixed	\$283.92 (\$0.00)
item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
Garage and Entry									
Exit Light 20 W	5	20W (0W)	24	7	52.0	100%	873.6 (0)	fixed	\$113.57 (\$0.00)
LED 5W 12V (9W)	3	9W (0W)	15	7	51.0	100%	140.44023 (0)	fixed	\$18.26 (\$0.00)
LED 10W	21	10W (0W)	15	7	51.0	100%	1092.3129 (0)	fixed	\$142.00 (\$0.00)
LED Tube 4ft (18W)	62	18W (0W)	24	7	52.0	100%	9749.376 (0)	fixed	\$1,267.42 (\$0.00)
item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
General Area									
Vacuum Cleaner 2000W	1	2000W (0W)	4	7	51.0	100%	2856 (0)	fixed	\$371.28 (\$0.00)

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item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
General Area (cont.)									
item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
Glass Room									
Glass washing machine	1	2200W (0W)	6	7	51.0	100%	4712.4 (0)	fixed	\$612.61 (\$0.00)
Glass Polisher 200W	1	200W (0W)	6	7	51.0	100%	428.4 (0)	fixed	\$55.69 (\$0.00)
Fluro 36W Magnetic T8 (46W)	4	46W (0W)	15	7	51.0	100%	957.07416 (0)	fixed	\$124.42 (\$0.00)
item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
Kitchen									
Pizza Roler	1	2400W (0W)	1	7	51.0	100%	856.8 (0)	fixed	\$111.38 (\$0.00)
Kitchen Robot 2400W	1	2400W (0W)	1	7	51.0	100%	856.8 (0)	fixed	\$111.38 (\$0.00)
Coolroom - Large (3000W)	1	3000W (0W)	24	7	52.0	55%	14414.4 (0)	fixed	\$1,873.87 (\$0.00)
Television - LCD Small (60W)	5	60W (1W)	8	7	51.0	100%	856.8 (29.52)	fixed	\$111.38 (\$3.84)
Rangehood large	4	180W (0W)	8	7	51.0	100%	2056.32 (0)	fixed	\$267.32 (\$0.00)
Cold Fridge and Preparation Bench 1800W	1	1800W (0W)	24	7	52.0	60%	9434.88 (0)	fixed	\$1,226.53 (\$0.00)
Meat slicer	1	200W (0W)	2	7	51.0	100%	142.8 (0)	fixed	\$18.56 (\$0.00)
Food Warmer 150W	3	150W (0W)	8	7	51.0	30%	385.56 (0)	fixed	\$50.12 (\$0.00)
Freezer Chest - 280L (230W)	1	230W (0W)	24	7	52.0	30%	602.784 (0)	fixed	\$78.36 (\$0.00)
Dough Mixer 2400W	1	2400W (0W)	0	7	51.0	100%	257.04 (0)	fixed	\$33.42 (\$0.00)
Dishwasher Large Commercial	1	3600W (0W)	3	7	51.0	100%	3855.6 (0)	fixed	\$501.23 (\$0.00)
Freezer 2 door under the bench 1100W	1	1100W (0W)	24	7	52.0	50%	4804.8 (0)	fixed	\$624.62 (\$0.00)
Display Coolroom - 4 Door (1800W)	1	1800W (0W)	24	7	52.0	55%	8648.64 (0)	fixed	\$1,124.32 (\$0.00)

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item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
Kitchen (cont.)									
EFTPOS Terminal (40W)	2	40W (0W)	24	7	52.0	100%	698.88 (0)	fixed	\$90.85 (\$0.00)
Buzzer Stacks	3	500W (0W)	24	7	52.0	100%	13104 (0)	fixed	\$1,703.52 (\$0.00)
Pizza Oven Motor Drive	1	400W (0W)	8	7	51.0	100%	1142.4 (0)	fixed	\$148.51 (\$0.00)
Rangehood small	2	600W (0W)	8	7	51.0	100%	3427.2 (0)	fixed	\$445.54 (\$0.00)
Television - LCD Small (60W)	1	60W (1W)	15	7	51.0	100%	312.0894 (3.55851)	fixed	\$40.57 (\$0.46)
Food Warmer 20W globes	12	20W (0W)	8	7	51.0	30%	205.632 (0)	fixed	\$26.73 (\$0.00)
item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
Main Bar									
Bar Refrigerator 120L Domestic (150W)	2	150W (0W)	24	7	52.0	30%	786.24 (0)	fixed	\$102.21 (\$0.00)
Cash Register (140 W)	8	140W (0W)	15	7	51.0	100%	5825.6688 (0)	fixed	\$757.34 (\$0.00)
Fluro 36W Magnetic T8 (46W)	12	46W (0W)	15	7	51.0	100%	2871.22248 (0)	fixed	\$373.26 (\$0.00)
Glass display fridge - Small (130W)	1	130W (0W)	24	7	52.0	50%	567.84 (0)	fixed	\$73.82 (\$0.00)
Refrigerator-8 Door Display(Bar)	1	1800W (0W)	24	7	52.0	40%	6289.92 (0)	fixed	\$817.69 (\$0.00)
Refrigerator - 5 Door Display (Bar)	2	1300W (0W)	24	7	52.0	40%	9085.44 (0)	fixed	\$1,181.11 (\$0.00)
LED 10W	8	10W (0W)	15	7	52.0	100%	424.2784 (0)	fixed	\$55.16 (\$0.00)
LED strip	11	20W (0W)	15	7	51.0	100%	1144.3278 (0)	fixed	\$148.76 (\$0.00)
Incandescent w/ Para Flood (150W)	5	150W (0W)	3	2	51.0	100%	229.5 (0)	fixed	\$29.84 (\$0.00)
Television - LCD Large (160W)	15	160W (1W)	15	7	51.0	100%	12483.576 (53.37765)	fixed	\$1,622.86 (\$6.94)
Refrigerator - 3 Door Display (Bar) 1000w	1	1000W (0W)	24	7	52.0	30%	2620.8 (0)	fixed	\$340.70 (\$0.00)

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item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
Main Bar (cont.)									
EFTPOS Terminal (40W)	4	40W (0W)	24	7	52.0	100%	1397.76 (0)	fixed	\$181.71 (\$0.00)
Television - LCD Small (60W)	1	60W (1W)	15	7	51.0	100%	312.0894 (3.55851)	fixed	\$40.57 (\$0.46)
Refrigerator-4 Door display(Bar) 1200W	1	1200W (0W)	24	7	52.0	40%	4193.28 (0)	fixed	\$545.13 (\$0.00)
Disco System 500w	1	500W (0W)	3	2	52.0	100%	156 (0)	fixed	\$20.28 (\$0.00)
LED 800w Strip	1	800W (0W)	15	7	51.0	100%	4161.192 (0)	fixed	\$540.95 (\$0.00)
Television - LCD Large (160W)	15	160W (1W)	15	7	51.0	100%	12483.576 (53.37765)	fixed	\$1,622.86 (\$6.94)
item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
Main Dining Area									
candle incandescent 20 W	18	20W (0W)	15	7	51.0	100%	1872.5364 (0)	fixed	\$243.43 (\$0.00)
LED Strips 30W	4	30W (0W)	15	7	51.0	100%	624.1788 (0)	fixed	\$81.14 (\$0.00)
LED Strip 800W	1	800W (0W)	15	7	51.0	100%	4161.192 (0)	fixed	\$540.95 (\$0.00)
Television - LCD Large (160W)	1	160W (1W)	15	7	51.0	100%	832.2384 (3.55851)	fixed	\$108.19 (\$0.46)
LED 5W 12V (9W)	8	9W (0W)	15	7	51.0	100%	374.50728 (0)	fixed	\$48.69 (\$0.00)
candle incandescent 20 W	8	20W (0W)	15	7	51.0	100%	832.2384 (0)	fixed	\$108.19 (\$0.00)
Modem	6	15W (0W)	24	7	52.0	100%	786.24 (0)	fixed	\$102.21 (\$0.00)
item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
Office 2									
Aircon Invertor 3600W	12	3600W (0W)	4	6	40.0	50%	20736 (0)	fixed	\$2,695.68 (\$0.00)

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item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
Office 2 (cont.)									
Fluro 36W Magnetic T8 (46W)	16	46W (0W)	9	6	51.0	100%	2026.944 (0)	fixed	\$263.50 (\$0.00)
Telephone System (PBX) - Large	1	250W (0W)	24	7	52.0	100%	2184 (0)	fixed	\$283.92 (\$0.00)
Television - LCD Small (60W)	3	60W (1W)	9	6	51.0	100%	495.72 (18.018)	fixed	\$64.44 (\$2.34)
Security System (180W)	1	180W (20W)	24	7	52.0	100%	1572.48 (0.48)	fixed	\$204.42 (\$0.06)
Computer	1	400W (0W)	24	7	52.0	100%	3494.4 (0)	fixed	\$454.27 (\$0.00)
item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
Office Kitchenette									
Refrigerator 150L Domestic (140W)	1	140W (0W)	24	7	52.0	30%	366.912 (0)	fixed	\$47.70 (\$0.00)
Fluro 36W Magnetic T8 (46W)	6	46W (0W)	15	7	51.0	100%	1435.61124 (0)	fixed	\$186.63 (\$0.00)
item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
Pokie Room									
Exit Light 20 W	2	20W (0W)	24	7	52.0	100%	349.44 (0)	fixed	\$45.43 (\$0.00)
Sliding Doors	1	500W (5W)	2	7	51.0	100%	357 (40.23)	fixed	\$46.41 (\$5.23)
LED 9W gu10 240V (9W)	8	9W (0W)	15	7	51.0	100%	374.50728 (0)	fixed	\$48.69 (\$0.00)
Radiant Wall Heater 3600W	6	3600W (0W)	3	7	17.0	100%	7711.2 (0)	fixed	\$1,002.46 (\$0.00)
Television - LCD Small (60W)	1	60W (1W)	15	7	51.0	100%	312.0894 (3.55851)	fixed	\$40.57 (\$0.46)
Gaming and Poker Machines (300W)	30	300W (300W)	15	7	51.0	100%	46813.41 (32026.59)	fixed	\$6,085.74 (\$4,163.46)
Radiant Wall Heaters 3200W	9	3200W (0W)	6	7	17.0	100%	20563.2 (0)	fixed	\$2,673.22 (\$0.00)

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item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
Pokie Room (cont.)									
item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
Pokie Room Toilet									
Fluro 36W Magnetic T8 (46W)	2	46W (0W)	15	7	51.0	100%	478.53708 (0)	fixed	\$62.21 (\$0.00)
Hand dryers	2	2000W (0W)	1	7	51.0	100%	1428 (0)	fixed	\$185.64 (\$0.00)
item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
Staff Room									
Aircon Invertor 3600W	1	3600W (0W)	1	7	51.0	100%	732.564 (0)	fixed	\$95.23 (\$0.00)
Fluro 36W Magnetic T8 (46W)	12	46W (0W)	15	7	51.0	100%	2871.22248 (0)	fixed	\$373.26 (\$0.00)
item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
Switch Room									
Fluro 36W Magnetic T8 (46W)	6	46W (0W)	0	7	51.0	100%	13.79448 (0)	fixed	\$1.79 (\$0.00)
item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
TAB									
cigarette vending machine	1	300W (0W)	15	7	51.0	100%	1560.447 (0)	fixed	\$202.86 (\$0.00)
TAB Betting Machines 300W	3	300W (0W)	15	7	51.0	100%	4681.341 (0)	fixed	\$608.57 (\$0.00)
Television - LCD Large (160W)	6	160W (1W)	15	7	51.0	100%	4993.4304 (21.35106)	fixed	\$649.15 (\$2.78)
LED 5W 12V (9W)	20	9W (0W)	15	7	51.0	100%	936.2682 (0)	fixed	\$121.71 (\$0.00)

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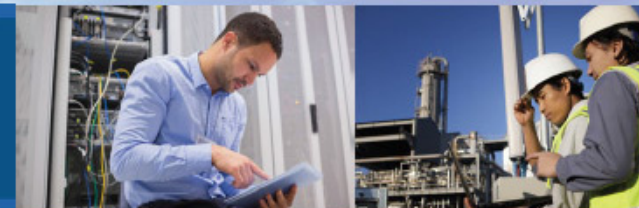
item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
TAB (cont.)									
Vending Machine (650W)	1	650W (0W)	15	7	51.0	100%	3380.9685 (0)	fixed	\$439.53 (\$0.00)
EFTPOS Terminal (40W)	1	40W (0W)	24	7	52.0	100%	349.44 (0)	fixed	\$45.43 (\$0.00)
LED Exit Sign (5W)	6	5W (0W)	24	7	52.0	100%	262.08 (0)	fixed	\$34.07 (\$0.00)
Television - LCD Small (60W)	7	60W (1W)	15	7	51.0	100%	2184.6258 (24.90957)	fixed	\$284.00 (\$3.24)
LED 5W gu10 240v (5W)	9	5W (0W)	15	7	51.0	100%	234.06705 (0)	fixed	\$30.43 (\$0.00)
item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
TAB BAR									
Fluros 18W	4	18W (0W)	15	7	51.0	100%	374.50728 (0)	fixed	\$48.69 (\$0.00)
Cash Register (140 W)	1	140W (0W)	24	7	52.0	100%	1223.04 (0)	fixed	\$159.00 (\$0.00)
Display Coolroom - 4 Door (1800W)	1	1800W (0W)	24	7	52.0	50%	7862.4 (0)	fixed	\$1,022.11 (\$0.00)
LED Strip 60W	1	60W (0W)	15	7	51.0	100%	312.0894 (0)	fixed	\$40.57 (\$0.00)
Water Cooler (60W)	1	60W (0W)	24	7	52.0	50%	262.08 (0)	fixed	\$34.07 (\$0.00)
Television - LCD Large (160W)	4	160W (1W)	15	7	51.0	100%	3328.9536 (14.23404)	fixed	\$432.76 (\$1.85)
EFTPOS Terminal (40W)	2	40W (0W)	24	7	52.0	100%	698.88 (0)	fixed	\$90.85 (\$0.00)
Display Coolroom - 2 Door (1000W)	1	1000W (0W)	24	7	52.0	50%	4368 (0)	fixed	\$567.84 (\$0.00)
item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
Toilets Male, Female off Cafe									
LED 5W 12V (9W)	16	9W (0W)	15	7	51.0	100%	749.01456 (0)	fixed	\$97.37 (\$0.00)

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item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
Toilets Male, Female off Cafe (cont.)									
Hand dryers	2	2000W (0W)	1	7	51.0	100%	714 (0)	fixed	\$92.82 (\$0.00)
item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
Under Floor Heating									
Under Floor Heating 3000W	1	3000W (0W)	16	7	24.0	50%	4032 (0)	fixed	\$524.16 (\$0.00)
item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
Warehouse									
Freezer Upright - 2 Door (1100W)	1	1100W (0W)	24	7	52.0	50%	4804.8 (0)	fixed	\$624.62 (\$0.00)
Glycol (3000W)	2	3000W (0W)	24	7	52.0	55%	28828.8 (0)	fixed	\$3,747.74 (\$0.00)
LED High Bay 200W	10	200W (0W)	15	7	51.0	100%	10402.98 (0)	fixed	\$1,352.39 (\$0.00)
Dryer domestic hot cycle	1	2400W (0W)	4	7	51.0	100%	3427.2 (0)	fixed	\$445.54 (\$0.00)
Fluro 36W Magnetic T8 (46W)	6	46W (0W)	24	7	52.0	100%	2411.136 (0)	fixed	\$313.45 (\$0.00)
Garage doors	2	550W (0W)	1	7	51.0	100%	196.35 (0)	fixed	\$25.53 (\$0.00)
Ice Maker Small 1200W	1	1200W (0W)	24	7	51.0	60%	6168.96 (0)	fixed	\$801.96 (\$0.00)
Coolroom - Large (3000W)	3	3000W (0W)	24	7	52.0	45%	35380.8 (0)	fixed	\$4,599.50 (\$0.00)
Air compressor med	1	2000W (0W)	1	5	40.0	30%	120 (0)	fixed	\$15.60 (\$0.00)
Exit Light 20 W	2	20W (0W)	24	7	52.0	100%	349.44 (0)	fixed	\$45.43 (\$0.00)
Cutlery Washer Large 3600W	1	3600W (0W)	2	7	51.0	100%	2570.4 (0)	fixed	\$334.15 (\$0.00)
Freezer Room - Large (2700W)	1	2700W (0W)	24	7	52.0	50%	11793.6 (0)	fixed	\$1,533.17 (\$0.00)
Washing machine domestic Avg	1	550W (0W)	4	7	51.0	100%	785.4 (0)	fixed	\$102.10 (\$0.00)
Staff Time Clock 60W	1	60W (0W)	24	7	52.0	100%	524.16 (0)	fixed	\$68.14 (\$0.00)

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item	qty	power	hr/day	d/wk	w/yr	cycle	kWh/year	rate	cost
Warehouse (cont.)									
LED Tube 4ft (18W)	3	18W (0W)	15	7	51.0	100%	280.88046 (0)	fixed	\$36.51 (\$0.00)
Ice Maker Large 2400W	1	2400W (0W)	24	7	52.0	60%	12579.84 (0)	fixed	\$1,635.38 (\$0.00)
Postmix (1680W)	1	1680W (0W)	24	7	52.0	60%	8805.888 (0)	fixed	\$1,144.77 (\$0.00)



Disclaimer

This software is designed to calculate energy usage and savings based on the data entered by the user. The accuracy of the output is solely dependent on the accuracy of the data entered by the user. The preloaded appliances, lighting, air conditioning and equipment wattages are based on average values for these types of equipment. The user should verify the chosen item wattage against the actual wattage of the audited equipment.

Hot water heater calculation parameters may vary in efficiency and insulation properties. The user should confirm their hot water system efficiency parameters. Allowance should be made for heat loss as well as usage trends.