



## Energy Usage Guide

### How should I use this table?

It's worth looking at how many watts an appliance uses, but more importantly, how you can reduce your usage of high-wattage appliances. Keep in mind that the annual running costs are only a guide.

High wattage appliances like a 3000Watt electric hot water system can become very costly if you take long showers, so cutting down your shower time is always a good idea.

On the other hand, watching a 70W television every night would not account for much on your overall bill as it has a relatively low wattage.

Remember that large savings can be made if you cut down how often you use high wattage appliances and the length of time you use them. These items include heaters, air conditioners and electric hot water systems. Where possible, try to use energy efficient light bulbs and trade-in your spare fridge if you have one. When replacing old appliances or buying new appliances, always purchase the highest star rating.

### What about appliances not listed on the table?

Electricity consumption on your bill is measured in kilowatt (kWh). So, 1 kWh means that you use 1000 Watts of electricity for 1 hour.

If you have an appliance which is not featured on this table, or you have an item with a different wattage than the one shown here, use this formula to estimate an hourly running cost:

$$\text{Watts} / 1000 \times 11.9215 \text{ cents} = \text{hourly cost (in cents)}$$

For example, a 100 Watt light globe is;

$$100 \text{ Watts} / 1000 \times 11.9215 = 1.19 \text{ cents per hour.}$$

Note that this is an hourly cost, whilst the table lists an annual cost based on the number of hours the appliance is estimated to run.

### Things you should know:

- The model, age and usage can all influence the final running cost of an appliance.
- These calculations are based on a average four person household.
- The cost does not include the service availability charge- this rate is listed on your bill.
- Prices are based on EnergyAustralia's regulated retail domestic all time tariff for 2006 – 2007 for the first 1,750 kWh per quarter.

## Energy Usage Guide - Hot Water

HOT WATER  
BASED ON A 5-MINUTE SHOWER

Hot water system type	Tariff	per shower	Yearly
Electric storage	Off peak 1	8.4c	\$197
	Off peak 2	13.1c	\$325
Electric quick recovery	Domestic all time	19.4c	\$428
Solar with electric boost	Off peak 2	3.9c	\$97
Heat pump	Off peak 2	3.9c	\$97
Gas storage	Natural gas	9.7c	\$250
Gas instantaneous	Natural gas	9.7c	\$170
Solar with gas boost	Natural gas	3.2c	\$75

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Appliance	Size/type	Watts	Running costs	
			Hourly	Yearly
Air conditioner	Portable	1000	8.7c	\$31
Air conditioner	Sm window	2000	17.4c	\$131
Air conditioner	Lge wall	3750	31.3c	\$235
Air conditioner	Ducted	7500	62.7c	\$470
Aquarium pump		8	0.1c	\$8
Bathroom light/heater unit	4 x 275W lamps	1100	13.1c	\$7
BBQ - electric		2400	28.6c	\$7
Blender		600	7.2c	\$2
Breadmaker		500	6.0c	\$1
Burglar alarm		4	0.0c	\$4
Clock Radio		2	0.0c	\$2
Clothes Dryer*		5000	42.2c	\$44
Coffee machine		600	7.2c	\$2
Computer & monitor		100	1.2c	\$6
Cooktop		4800	57.2c	\$43
Dishwasher*		2400	15.1c	\$31
Drill		700	8.3c	\$4
DVD		50	0.6c	\$1
Electric blanket		120	1.4c	\$5
Fan - ceiling		90	1.1c	\$3
Fan - pedestal		50	0.6c	\$1
Fax machine		10	0.1c	\$10
Freezer	200 litre	-	0.7c	\$58
	400 litre	-	0.9c	\$75
Frypan		1700	20.3c	\$10
Garbage disposal unit		650	7.7c	\$2
Hairdryer		1500	17.9c	\$7
Heated towel rack		100	1.2c	\$12
Heater	Bar radiator	2000	23.8c	\$76
	Oil column heater	2400	28.6c	\$128
	Fan heater	2400	28.6c	\$64
	Underfloor heating - living	3600	42.9c	\$96
	Underfloor heating - bedroom	1200	14.3c	\$32
	Underfloor heating - bathroom	900	10.7c	\$24
	Underfloor heating - kitchen	1200	14.3c	\$32
Hot water	- See seperate table overleaf	-	-	-
Iron		1000	11.9c	\$9

Juicer		300	3.6	\$0.9
Kettle		2400	28.6c	\$7
Lawnmower		1200	14.3c	\$7
Lights	Standard (75W incandescent)	75	0.9c	\$4
	Compact fluorescent (15W)	15	0.2c	\$1
	Tubular fluorescent (45W)	45	0.5c	\$3
	Halogen (50W down/spot)	63	0.7c	\$4
	Outdoor security light (150W)	150	1.8c	\$19
Microwave oven		1000	11.9c	\$12
Oven (with grill)		2400	28.6c	\$21
Pool pump		725	6.0c	\$157
	Salt water chlorinator	210	2.5c	\$66
Pool heater	Heat pump	15000	178.8c	\$465
	Solar	250	3.0c	\$79
Printer		100	1.2c	\$0.3
Rangehood		140	1.7c	\$3
Refrigerator (new)	150 litre bar fridge		0.5c	\$40
	250 litre		0.4c	\$37
	400 litre		0.8c	\$71
	500 litre		0.9c	\$81
	650 litre		1.1c	\$97
Refrigerator (20 years old)	400 litre		1.8c	\$154
Rice cooker		700	8.3c	\$6
Sauna		6000	71.5c	\$286
Portable Saw		1000	11.9c	\$6
Scanner		80	1.0c	\$0.1
Sewing machine		120	1.4c	\$0.2
Shaver		15	0.2c	\$0.3
Stereo System		20	0.2c	\$1
Television	Standard	70	0.8c	\$8
	Large flat screen	135	1.6c	\$16
	Plasma	200	2.4c	\$24
Telephone (cordless)		5	0.1c	\$5
Toaster		1000	11.9c	\$3
Vacuum cleaner		1200	14.3c	\$7
Video recorder		25	0.3c	\$1
Washing machine*		6000	8.0c	\$41
Waterbed		400	4.8c	\$146
Welder		2400	28.6c	\$14
Whippersnipper		350	4.2c	\$2
Electric Wok		2000	23.8c	\$12

**Please note the following in this table:** The average running cost of each appliance contained in this table is an estimate only. The actual consumption for each appliance may vary depending on model type, age, condition and tariff changes. The table assumes that total number of hours used for appliances is based on a typical 4 person household.