

# Northpower

## Typical Household Appliance Running Costs

The amount of power an appliance uses is determined by its wattage. One kilowatt equals 1000 watts. When you run a 1000 watt appliance for 1 hour, you use 1 unit (kilowatt hour) of electricity.

To calculate running cost, multiply the kWh's used by the cost per unit on your bill.

For example; 1.5kW jug x 5 mins use  $(5/60) \times 35\text{cents} = 1.5 \times 0.083 \times 35 = 4.4$  cents.

The following table sets out approximate running costs based on an average electricity tariff as at April 2022 (including GST) over different periods of usage time.

AVERAGE ELECTRICITY TARIFFS	
Peak Rate (usually 7am-9am & 5pm-9pm)	35c
Controlled Rate	25c

KITCHEN		
Refrigerator	1 year	\$153
Chest Freezer (300L)	1 year	\$153
Oven	1 hour	70c
Stovetop (2 elements)	1 hour	84c
Microwave	10 mins	7c
Benchtop Oven	10 mins	9c
Airfryer	10 mins	13c
Electric Frypan	10 mins	14c
Crockpot	1 hour on low	8c
Cake Mixer	10 mins	3c
Breadmaker	1 hour	19c
Sandwich Press	5 mins	6c
Food Processor	5 mins	2c
Jug	1 litre (5min)	4c
Coffee Machine	1 cup	4c
Toaster	2 slice (2min)	1c
Dishwasher	1 hour	63c
Rangehood	1 hour	7c
Extractor Fan	1 hour	2c

BATHROOM & LAUNDRY		
Washing Machine	1 hot wash	70c
	1 cold wash	18c
Dryer	1 hour	53c
Iron	10 mins	7c
Towel Rail	1 day	60c
Hair Dryer	10 mins	9c
Hair Straightener	10 mins	1c

PUMPS & SEWERAGE		
Aerated Sewerage System	1 year	\$245
Water Pump	1 year (2hrs/day)	\$56.20
Pool Filter Pump	1 year (8hrs/day)	\$2,044

OUTDOORS		
Wood chipper	1 hour	84c
Lawn Mower	1 hour	56c
Charging Power Tool Battery	4 hours	3c

HEATING		
The cost of a heatpump will vary depending on the temperature set, how big it is and the time it is used for.		
Heat Pump (4.5kW output) (3 hrs/day, 6 months/year)	1 year	\$297
Plug in Fan Heater (2.4kW)	1 year	\$462
Five Fin Oil Column Heater	1 year	\$192
Dehumidifier	Overnight	98c
Electric Blanket	1 week (4 hrs/night)	98c

WATER HEATING		
Electricity used by hot water cylinders will vary depending on the size of the cylinder, the thermostat setting, the temperature of the incoming water, any cylinder insulation and the amount of hot water used. Note: Most hot water cylinders run on a controlled rate.		
Electric cylinder (180L)	1 year (3 hrs/day)	\$821
Heat pump cylinder	1 year (3 hrs/day)	\$411

LIVING ROOM		
TV (LED)	1 hour	28c
	1 day on standby	3c
Gaming Console	1 hour	5c
	1 day on standby	13c
TV Decoders	1 day	21c
Incandescent 100W Light Bulb	1 year (6hrs/day)	\$76
LED 100W Equivalent Bulb	1 year (6hrs/day)	\$7
Vacuum Cleaner	30 mins	18c
Ceiling Fan	1 day	25c

STUDY/WORK ROOM		
Desktop Computer	1 work day	56c
Laptop Computer	1 work day	17c
Phone Charger	Overnight	3c
Digital Alarm Clock	1 year	\$24.50

**Standby Power:** The most expensive devices to leave standby are typically those that perform a lot of background functions, like gaming consoles or smart TVs.