Understanding the energy usage of your appliances

Everyone wants to keep their electricity spend under control. But sometimes, it's hard to know where to start.

In this guide you'll find the estimated average running costs for the most common household appliances. It'll give you a picture of what makes up your electricity bill now, and where you may be able to save by cutting back in the future.

Want to know more?

For more information about energy efficiency in your home, jump onto **originenergy.com.au/energytips**.

Appliances	Size	Estimated use	Estimated running cost*
Air conditioner	Bedroom – 2.5 kW	7 hours per day over 28 days	$0.20 per hour • $39 per quarter
	Lounge/Dining – 5 kW		$0.41 per hour • $80 per quarter
	Small ducted – 12 kW		$1.02 per hour • $200 per quarter
Clothes dryer	Timer type 5 kg	1 load per week	$1.36 per load • $18 per quarter
Dishwasher	12 place setting – normal load	3 times per week	$0.31 per load • $12 per quarter
Heater	Personal – 1000 W	7 hours per day	$0.30 per hour • $0 per quarter
	Small room – 1500 W		$0.44 per hour • $0 per quarter
	Lounge room – 2400 W		$0.71 per hour • $0 per quarter
Hot water Electric	Electric peak power	7 kWh per day	$2.07 per day • $190 per quarter
	Electric off-peak 1. power		$1.16 per day • $102 per quarter
	Electric off-peak 2. power		$1.16 per day • $102 per quarter
Solar	Solar – electric booster	2.8 kWh per day	$0.83 per day • $76 per quarter

Appliances	Size	Estimated use	Estimated running cost*
Lighting 	CFL globes - 6 x 20 W	3 hours per day	$0.04 per hour • $10 per quarter
	Halogen spots – 12 x 50 W		$0.18 per hour • $49 per quarter
	LED spots – 12 x 6.5 W		$0.02 per hour • $6 per quarter
Refrigerator 	Small size – 200 litres	Compressor running time approximately 30%	$0.26 per day • $24 per quarter
	Family size – 400 litres		$0.39 per day • $35 per quarter
	Large size – 600+ litres		$0.72 per day • $66 per quarter
Spa 	1.5 kW heater	12 hours a week	$0.44 per hour • $70 per quarter
Swimming pool 	1.1 kW pump	8 hours per day	Peak $0.33 per hour • $239 per quarter
			Off-peak $0.18 per hour • $128 per quarter
Television 	51 cm CRT (prior to analog signal removal)	5 hours per day	$0.03 per hour • $13 per quarter
	40” LCD		$0.05 per hour • $23 per quarter
	42” Plasma		$0.10 per hour • $42 per quarter
Washing machine 	Top load warm wash 5.5 kg	5 loads per week	$0.50 per load • $33 per quarter
	Front load warm wash 5.5 kg		$0.21 per load • $14 per quarter

Information you should know

*Pricing effective 1 July 2020. Pricing quoted is based on an average of usage prices taken over the various electricity distribution networks and includes GST. The fixed supply charge is not included.

Costs are based on the general domestic, GST inclusive usage price per unit of 29.484 cents peak, 15.824 cents off-peak 1. power and 16.592 cents off-peak 2. power per kWh. The typical Origin New South Wales household consumption can vary between 1,250 and 1,600 units per quarter depending on type, size, age and usage of appliances, the size and layout of the home and the number of people living in the home. Electrical appliance running costs are based on watts or kilowatts of electricity consumed.

(One unit = 1kWh = 1,000 watts operating for one hour). If the appliance has a temperature controller or thermostat, then the setting of that control also affects the running costs.

Some residential appliances (usually those with electronic components) actually use some energy while in either ‘standby’ mode or turned ‘off’ at the appliance. While the energy used in each individual appliance may not be substantial in ‘standby’ or ‘off’ mode, be aware some of your appliances may still be consuming energy when they are not in active use.

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