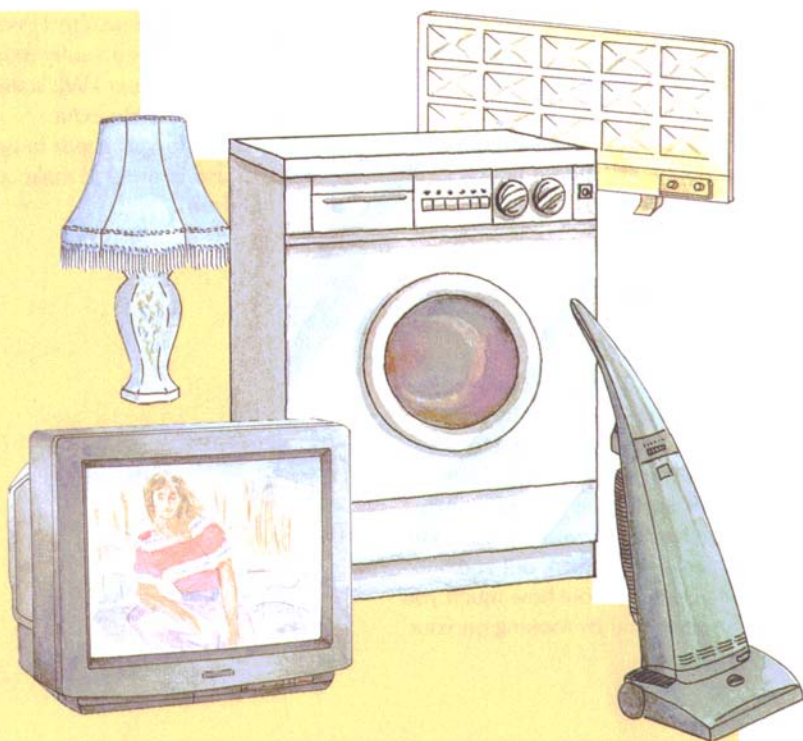




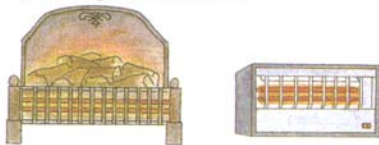
Electricity and You

A GUIDE TO RUNNING COSTS



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Just as food is sold by the pound or kilogram, so electricity is sold by the kilowatt-hour or kWh, although on your electricity bill it is just called a 'unit' for simplicity. This means that one unit of electricity is the amount used by say a one kilowatt (1kW) or 1,000 watt electric fire running for one hour. Similarly, one unit is used by a 100 watt (100W) lamp operating for ten hours.



This leaflet includes a guide to the number of units of electricity consumed by those appliances in which the full wattage is not used all the time.



These include appliances where the temperature is controlled by a thermostat such as an iron, electric blanket, oven or immersion heater and those appliances controlled by a programmer like a washing machine or dishwasher. To work out your running costs, find out how much you pay for each unit by looking on your electricity bill.

The unit of measurement for electricity, the kilowatt-hour or kWh, is now used by gas, replacing the old 'therm'. However, be careful when comparing gas 'kWh' with electricity kWh. Since electricity is pure energy, its efficiency at the point of use is much higher than for fuels which are burnt. For example, electric fires are 100% efficient, whereas a gas fire is only 50% efficient, while the efficiency of a decorative gas fuel effect fire is often less than 25%. Thus the cost of gas to produce an equivalent amount of heat to 1kWh from an electric fire is actually much greater than the cost per kWh stated on a gas bill. A possible extra standing charge for gas needs to be considered also in order to make a true comparison.

LOOK WHAT YOU GET FOR ONE OR MORE UNITS!

Please note that all figures are approximate and are based on the average rating of each appliance.

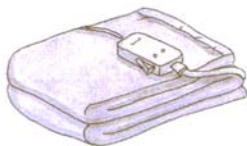
Battery charger (12 V)

30 hours' charging for 1 unit

Blankets

Single overblanket

all night for 1 week – 2 units



Double overblanket

all night for 1 week – 3 units

Single underblanket

1½ hrs each night for 1 week – less than 1 unit

Double underblanket

1½ hrs each night for 1 week – less than 1½ units

Blender

Over 700 pints of soup for 1 unit

Can opener

A can a day over 4 years for 1 unit

Carving knife

Carve a joint every weekend over 4 years for 1 unit

Coffee mill

Over 50 kg of coffee for ½ unit



Coffee percolator

75 cups of coffee for 1 unit

Compact Fluorescent Lamp (20W)

Over 40 hours use for 1 unit.

Contact grill

More than 25 medium/well done steaks for 1 unit



Cooker

One week's meals for family of four – about 15 units

Cooker hob

Bacon and egg breakfast for four – less than half a unit

Radiant boiling ring

Chicken stew for four – less than half a unit

Conventional oven

24 scones for 1 unit

Fan oven

48 meringues for about 1¼ units

Cooker grill

1 lb of pork sausages for less than half a unit

Cooker hood

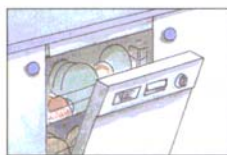
Over 10 hours' use for 1 unit

Crepe maker

About average 135 crepes for 1 unit (if made continuously) or 12 sessions each making 8 crepes

Deep fryer

Up to 3 lb chips for 1 unit



Dishwasher cold fill

One full load – average just over 2 units

ENERGY SAVING

Electricity is energy at the flick of a switch – clean, comfortable and instantly controllable. But today, as never before, it is very important to use energy in and around the home wisely and well. With a correctly sized electric space and water heating system making full use of low cost electricity on an off-peak tariff you can have all the heat and hot water you need at an economical price. And with the correct level of home insulation you can make sure you don't waste the heat you pay for.

Extension lamp (100 W)

10 hours' illumination for 1 unit

Extractor fan

24 hours' operation for 1 unit

Facial sauna

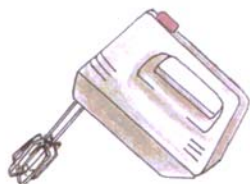
10 hours' operation for 1 unit

Floor polisher

A week's polishing for 1 unit

Fluorescent strip light (40 W)

Over 20 hours' use for 1 unit



Food mixer

More than a cake a week a year for 1 unit

Freezer upright

About 1 to 2 units per day

Fridge/freezer

Around 2 units a day



Hair curling tongs (30 W)

60 half-hour curling sessions for 1 unit



Hair dryer (500 W)

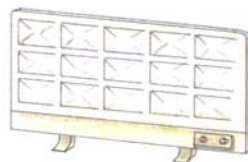
12 ten-minute hair drying sessions for 1 unit

Hair rollers

More than 14 hair-dos for 1 unit

Health lamp (100 W)

10 hours' operation for 1 unit



HEATING TARIFFS

These are special tariffs for space and water heating which provide, during selected periods every day, electricity at lower rates which are known as off-peak. These rates are notably cheaper than those of the standard domestic tariff. Households which use electricity for heating or water heating can be put on one of these tariffs. Your Electricity Company can advise which one is best for a particular application. They will change the household to one of these tariffs by installing a new meter and a tariff control switch completely FREE.

HEATERS

Slimline storage heaters use low cost off-peak electricity. Depending on the level of thermal insulation in the home, a 2 kW model uses an average of 45 to 75 units per week during the heating season. Larger models use proportionately more.



Convactor heater (2 kW)
½ hour's warmth for 1 unit



Fan heater (2 kW)
½ hour's warmth for 1 unit



Infra-red heater (1 kW)
1 hour's warmth for 1 unit

Oil-filled radiator (500 W)
2 hours' warmth for 1 unit

Panel heater (1.5 kW)
40 minutes' warmth for 1 unit

Radiant heater (3 kW)
20 minutes' warmth for 1 unit

Heating pad (30 W)
More than 30 hours' operation for 1 unit



Hedge trimmer
2½ hours' use for 1 unit

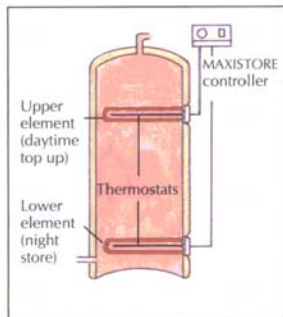
Hot food trolley
More than 1 hour's use for 1 unit

Hot tray
1 hour's use for about ½ unit

HOT WATER

Using a high-performance factory-insulated 210 litre (46 gallon) MAXISTORE

cylinder with two side-entry heaters: hot water for a family of four – 67 units per week. Typically, over 90% of these units can be used at the off-peak rate of one of the heating tariffs.



Instant water heater

More than 3 gallons of piping hot water for 1 unit

Iron

1 hour's use for ½ to 1 unit

Kettle

12 pints of boiling water for 1 unit

Knife sharpener

12 000 knives sharpened for 1 unit

Lamp (60 W)

16 hours' of illumination for 1 unit

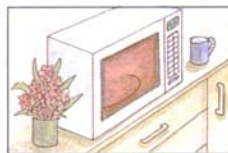
Lawnmower

Cylinder

3 hours' use for 1 unit

Rotary

1 hour's use for 1 unit



Microwave

3 lb (1.3 kg) joint of beef cooked for less than ½ unit

4 chicken pieces for ½ unit

Multi-purpose cooker

Lamb chop casserole for four people for about ½ unit

Power drill

4 hours' for 1 unit

Refrigerator *larder*

1 day's operation for 1 unit or less

Refrigerator *with freeze box*

1 day's operation for around 1 unit

Rotisserie

A 3 lb chicken cooked for under 1½ units

Sandwich toaster

26 to 54 sandwiches for 1 unit (if used continuously) or 6 to 13 sandwich making sessions for a family of four for 1 unit

**Shaver**

Shave every day for 5 years for 1 unit

Shower (7 kW)

A quick (3 to 5 min) shower 7 days a week for 2½ to around 4 units

Slow cooker

8 hours' use for 1 unit

Beef casserole for four, cooked for about ½ unit

Spin dryer

5 weeks' use for 1 unit

Stereo system

8-10 hours' listening for 1 unit

Tape recorder

More than 24 hours' playing for 1 unit

Tea maker

35 cups of tea for 1 unit

**Television *colour***

22 inch 6 to 9 hours' viewing for 1 unit

Toaster

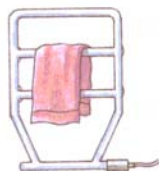
60 slices of toast for 1 unit

Towel rail (250 W)

4 hours' operation for 1 unit

Tumble dryer

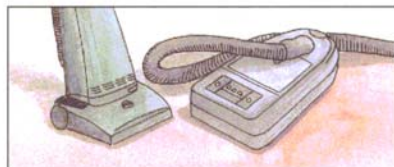
8 to 12 1b sheets and towels for 4 units. A load of synthetics dried for 2 units

**Vacuum cleaner *cylinder***

Vacuum carpets every day for a week for 1 unit

Vacuum cleaner *upright*

2 hours' cleaning for 1 unit

**Washing machine*****automatic***

Weekly wash for family of four, 8 to 9 units

9 lb (4 kg) cottons (with pre-wash) washed at 90°C for around 2 units

4 lb (1.8 kg)

synthetics washed at 50°C for less than 1 unit

twin-tub

Weekly wash for family of four, 11 to 12 units

**Waste disposer**

50 lb of rubbish disposed for 1 unit

Yoghurt maker

70 yoghurts for 1 unit

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