

WHAT YOU GET FOR A UNIT OF ELECTRICITY



Your electricity meter records only the number of units (kilowatt-hours) of electricity that you have used.

A kilowatt-hour (symbolized kWh) is a unit of energy equivalent to one kilowatt (1 kW) of power expended for one hour of time.

- **A 1kW (1000 watts) appliance in use for 1 hour = 1 unit (1 kWh)**

In the kitchen:

- **Contact grill** - more than 25 medium/well done steaks for 1 unit.
- **Cooker hob** - bacon and egg breakfast for less than half a unit.
- **Conventional oven** - 24 scones for 1 unit.
- **Cooker grill** - 1lb (0.4 kg) of pork sausages for less than half a unit.
- **Cooker hood** - over 10 hours use for 1 unit.
- **Deep fat fryer** - up to 3lb (1.4 kg) of chips for 1 unit.
- **Dishwasher (cold fill)** - one full load average just over 2 units.
- **Extractor fan** - 24 hours operation for 1 unit.
- **Fan oven** - 48 meringues for about one and one quarter units.
- **Freezer (tall upright)** - keep your food frozen for 2 days for 1 unit.
- **Fridge/Freezer** - keep fresh and frozen food for a whole day for 1 unit.
- **Iron** - 30 shirts for 1 unit.
- **Kettle** - 27 cups of tea for 1 unit.
- **850 watt microwave** - 7 eight minute convenience meals less than 1 unit.
- **Refrigerator with ice box** - 1 day's operation for around half a unit.
- **Toaster** - 60 slices of toast for around 1 unit.
- **Tumble dryer 8 to 12lb (3.7kg-5.5kg)** - sheets and towels for 4 units.
- **Washing machine 12lb load (5.5 kg)** - 60 degree wash for around 1 unit.
- **Vacuum cleaner (cylinder 1500 watts)** - 40 minutes cleaning for 1 unit.

Heating:

- **Convactor heater (2kW)** - half hour's warmth for 1 unit.
- **Fan heater (2kw)** - half hour's warmth for 1 unit.
- **Halogen heater (1 kW)** - 1 hour's warmth for 1 unit.
- **Oil-filled radiator (500 watt)** - 2 hour's warmth for 1 unit.
- **Electric under blanket (double)** - 1 hour a night for 2 weeks for 1 unit.
- **Dehumidifier** - around 5 hours use for 1 unit.
- **Electric underfloor heating (150 watt per sq mtr)** - heat a 2 sq mtr area for 3 hours for less than 1 unit.

Hot water:

- **Shower (7kW)** - 10 minute shower for just over 1 unit.
- **Hot water immersion heater** - 1 hour water heating for just under 3 units.
- **30 gallon fish-tank** - happy fish for a day for 1 unit.

Personal care:

- **Hair curling tongs** - 60 half hour sessions for 1 unit.
- **Hair dryer (1000w)** - six 10 minute hair drying sessions for 1 unit.

What you get for a unit of electricity (continued)

Home entertainment:

- **Clock radio** - wake up every day to the radio for 6 weeks for 1 unit.
 - **Desk-top computer** - over 8 hours surfing for 1 unit.
 - **DVD player** - over 30 films for 1 unit.
 - **Lap-top computer** - over 10 hours surfing for 1 unit.
 - **Wireless router** - can be as low as 10 days use for one unit.
 - **Mini hi-fi system** - 2 hours music a day for a fortnight for 1 unit.
 - **Satellite receiver/recorder** - over 20 hours viewing for 1 unit.
 - **TV (LCD) 40 inch screen** - over 5 hours viewing for 1 unit.
 - **TV (LED) 40 inch screen** - around 20 hours viewing for 1 unit.
 - **Wii games console** - 2 hours gaming a day for a whole month for 1 unit. *
 - **X Box 360 games console** - around 6 hours gaming a day for 1 unit. *
 - **X Box One** - around 5 hours gaming a day for around 1 unit. *
 - **Playstation 3 games console** - around 3 hours gaming a day for 1 unit. *
 - **Playstation 4 games console** - around 4 hours gaming a day for 1 unit. *
- * (don't forget the consumption of the TV it's linked up to.)
- **iPad** - fully charged every other day for 1 year for around 12 units.
 - **iPhone** - fully charged every day for 1 year for around 2 units.

Lighting:

- **100 watt light bulb** - 5 hours a day for 2 days for 1 unit.
- **25 watt low energy (cfl) bulb** - 5 hours a day for 8 days for 1 unit.
- **Fluorescent strip light (40watt)** - 5 hours a day for 5 days for 1 unit.
- **4 x 50 watt halogen bulbs** - 5 hours use for 1 unit.
- **4 x 5 watt LED halogen equivalent bulbs** - 50 hours use for 1 unit.
- **Flame effect only on a electric fire** - 5 hours a day for 2 days for 1 unit.

(All above information based on the average consumption of the given appliances.)

For more domestic energy advice why not contact:

Manx Utilities'-Bright Ideas' Home Energy Officer on 687643

Have a chat and maybe pick up some low cost or no cost energy saving tips.

You can even arrange a free of charge home visit to help you understand the "where's and why's" of your energy consumption.



**A new style and approach
to energy saving advice**