

How much are your appliances costing you?

The costs are calculated using an average electricity price of 12p per kilowatt-hour and the carbon emissions are based on a figure of 0.537kg CO² per kilowatt-hour.

Type of appliance	Typical energy Demand	Use	Approximate cost per year	CO ² emitted per year
Television (CRT & LCD)	100 watts	4 hours per day	£17.50	78kg
Television (Plasma)	250 watts	4 hours per day	£43.80	196kg
DVD Player	15 watts	2 hours per day	£1.30	6kg
Video Player	25 watts	2 hours per day	£1.30	6kg
Set-top box (Freeview)	10 watts	4 hours per day	£1.75	8kg
Set-top (Satellite)	10 watts	4 hours per day	£5.25	8kg
Compact Hi-Fi	20 watts	2 hours per day	£1.75	8kg
Amplifier	30 watts	2 hours per day	£2.65	12kg
CD player / Tuner	15 watts	2 hours per day	£1.30	12kg
Digital radio	4 watts	4 hours per day	£0.70	3kg
Nintendo Wii	17 watts	2 hours per day	£1.50	7kg
Sony Playstation 3	250 watts	2 hours per day	£21.90	98kg
Microsoft Xbox 360	165 watts	2 hours per day	£14.45	65kg
Desktop PC	40 watts	2 hours per day	£3.50	16kg
Laptop	15 watts	2 hours per day	£1.30	6kg
Printer (Inkjet)	15 watts	30 mins per day	£0.35	1kg
Printer (Laser)	250 watts	30 mins per day	£5.50	25kg
Modem	10 watts	2 hours per day	£0.90	4kg
PC monitor (CRT)	75 watts	2 hours per day	£6.55	29kg
PC monitor (LCD)	25 watts	2 hours per day	£2.20	10kg

Remember that the figures are typical – check whether your appliance uses more or less energy

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Tumble dryer	3000 watt	1 hour per day	£131.40	588kg
Washing machine	2500 watts	30 mins per day	£54.75	245kg
Hand-held vacuum cleaner	250 watts	15 mins per day	£2.75	12kg
Vacuum cleaner	900 watts	30 mins per day	£19.70	88kg
Iron	1200 watts	15 mins per day	£13.15	59kg
Dishwasher	3000 watts	30 mins per day	£65.70	294kg
Fridge (under-counter)	65 watts	Constant use	£28.45	127kg
Freezer (under-counter)	85 watts	Constant use	£37.25	167kg
Fridge-freezer	110 watts	Constant use	£48.20	216kg
Toaster	1250 watts	10 mins per day	£9.15	41kg
Microwave	800 watts	30 mins per day	£17.50	78kg
Electric hob (single)	750 watts	1 hour per day	£32.85	147kg
Oven (Electric)	3000 watts	1 hour per day	£131.40	588kg
Extractor fan	50 watts	1 hour per day	£2.20	10kg
Electric kettle	2000 watts	30 mins per day	£43.80	196kg
Coffee Maker	800 watts	30 mins per day	£17.50	78kg
Food Processor	250 watts	10 mins per day	£1.85	8kg
Electric Shower	8500 watts	10 mins per day	£62.05	278kg
Electric blanket	75 watts	10 mins per day	£0.55	2kg
Digital photo frame	5 watts	2 hours per day	£0.45	2kg
Cordless phone	8 watts	Constant use	£8.40	38kg

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How much is standby costing you?

The costs are calculated using an average electricity price of 12p per kilowatt-hour and the carbon emissions are based on a figure of 0.537kg CO² per kilowatt-hour.

Type of appliance	Typical energy use in standby	Approximate cost per year	CO ² emitted per year
Television (CRT & LCD)	2.5 watts	£2.20	10kg
Television (Plasma)	4 watts	£3.50	16kg
Video Player	4 watts	£3.85	17kg
Set-top box (Freeview)	6 watts	£5.25	24kg
Set-top (Satellite)	15 watts	£13.15	59kg
Compact Hi-Fi	10 watts	£9.65	43kg
Amplifier	10 watts	£9.65	43kg
CD player / Tuner	4 watts	£3.85	17kg
Nintendo Wii	10 watts	£9.65	43kg
Sony Playstation 3	5 watts	£4.80	22kg
Microsoft Xbox 360	5 watts	£4.80	22kg
Desktop PC	3 watts	£2.90	13kg
Printer (Laser)	15 watts	£15.45	70kg
Modem	5 watts	£4.80	22kg
PC monitor (CRT)	2 watts	£1.95	9kg
Microwave	2.5 watts	£2.55	12kg
Oven (Electric)	3 watts	£3.00	14kg

Most appliances use a very small amount of electricity unless they are switched off at the plug. If an appliance isn't listed here then it probably uses under two watts on standby. An average home has so many electrical items that standby can add up to a lot of waste over a year: around £40 and 179kg of CO². Remember that every watt of standby consumption costs around 96p over a year.