



## Typical Energy Usage for Household Appliances

Typical household appliance	Maximum power	Typical standby	Amount of use for £1	Annual cost	Comments
<b>Entertainment</b>					
21" CRT television	100W	15W	17 days	£22	on 4 hrs/day + 20 hrs on standby
32" LCD television	170W	3W	13 days	£28	on 4 hrs/day + 20 hrs on standby
42" Plasma television	280W	3W	8 days	£44	on 4 hrs/day + 20 hrs on standby
Video/DVD player/recorder	40W	3W	45 days	£8	on 4 hrs/day + 20 hrs on standby
Digital/analogue radio	4W	n/a	1 year	£1	on 8 hrs/day
Music centre	75W	1W	31 days	£12	on 4 hrs/day + 20 hrs on standby
Satellite/freeview/cable box	40W	9W	11 days	£35	on 24 hrs/day
Games console	45W	5W	9 days	£39	on 24 hrs/day

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<b>Communication</b>					
Desktop PC and CRT monitor	200W	30W	6 days	£61	on 4 hrs/day + 20 hrs on standby
Inkjet printer	60W	20W	15 days	£24	on 4 hrs/day + 20 hrs on standby
Broadband router	10W	n/a	42 days	£8	on 24 hrs/day
Telephone (2 digital handsets)	7W	3W	4 months	39	1 hr talk/day + 23 hrs standby

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<b>Lighting</b>					
Compact fluorescent bulb	20W	n/a	83 days	£4	on 24 hrs/day
Fluorescent strip light	36W	n/a	46 days	£8	on 24 hrs/day
Halogen bulb	60W	n/a	28 days	£13	on 24 hrs/day
100w tungsten light bulb	100W	n/a	16 days	£22	on 24 hrs/day



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<b>Heating</b>					
	<b>High</b>	<b>Low</b>			
Oil filled radiator	2500W	700W	4 hours	to heat average room - £300 assuming 300IWh p/a on peak electricity	
Fan heater	3000W	500W	3.3 hours		
Halogen heater	1200W	400W	8.3 hours		
Immersion heater	3000W	n/a	3.3 hours		
Electric shower	10500W	7500W	1 hour	£118	2x10mins/day
Electric blanket	130W	35W	80 hours	£8	on 2 hrs/day for 22 weeks

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<b>Cooking</b>					
Electric kettle	2200W	n/a	4.5 hours	£27	5 x 4 mins/day
Electric oven	2200W	n/a	4.5 hours		
Electric hob ring	1400W	n/a	7 hours		
Microwave	800W	2W	12.5 hours		
A rated fridge	120W	n/a	24 days	£15	average family use
A rated freezer	150W	n/a	17 days	£21	average family use
A rated dish washer	1050W	n/a	10 days	£37	used once each day

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<b>Laundry</b>					
A rated washing machine	3000W	5W	9 loads	£11	2x6kg/week @40°C
Tumble drier	2500W	n/a	3 loads	£35	2x6kg/week
Steam iron	1800W	n/a	5.5 hours	£38	2x2hours/week

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<b>Other</b>					
Vacuum cleaner	1200W	n/a	8 hours	£12	2 hours/week
Electric drill	900W	n/a	9 hours	n/a	

Reference:- Warwickshire Switch It Off Campaign website -

<http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/E35542D6B36D89D3802571ED00341FEF>