

Electricity Demand of Typical Home Appliances – Briefing Sheet

	High priority		If possible		For information
		Appliance	Power Rating (primary source)	Av. demand/yr in kWh (primary source)	Av. cost/yr (assuming 17p/kWh)
Commonly used, high power & open to time shifting		Electric shower	7000-10500W	350	£60
		Immersion heater	3000W	379	£64
		Tumble dryer	2000-3000W	394	£67
		Washing machine	1200-3000W	166	£28
		Dishwasher	1050-1500W	294	£50
Not so widely used or lower power rating or not so easy to time shift		Kettle	2200-3000W	167	£28
		Electric fire	2000-3000W	1076	£183
		Oil-filled radiator	1500-2500W	850	£145
		Iron	1000-1800W	31	£5
		Toaster	800-1500W	22	£4
		Electric mower	500-1500W	20	£3
		Deep fryer	1200W	62	£11
		Vacuum cleaner	500-1200W	18	£3
		Hairdryer	1000W	20	£3
		Electric drill	900-1000W	19	£3
		Dehumidifier	300-700W	525	£89
		Plasma TV	280-450W	658	£112
		Towel rail	250W	105	£18
		Heating blanket	130-200W	14	£2
		LCD TV	125-200W	199	£34
		Games console	45-190W	47	£8
		Desktop computer	80-150W	166	£28
		DVD recorder/player	60W	97	£16
		Laptop	20-50W	29	£5
		TV box	30-40W	115	£20
		Extractor fan	5-36W	46	£8
		Video player	20W	48	£8
	CD player	20W	35	£6	
	Tablet (charge)	10W	4	£1	
	Broadbandrouter	7-10W	58	£10	
	Smartphone (charge)	2.5-5W	6	£1	
Much more difficult to time shift		Oven	2000-2200W	290	£49
		Grill/hob	1000-2000W	226	£38
		Microwave	600-1500W	56	£10
		Fridge	40-120W	162	£28
		Fridge-freezer	200-400W	425	£72
	Freezer	150W	350	£60	