

**Low Carbon Communities Initiative**

**Networking Key Services- NKS**

**Running Costs – Household Electrical Appliances**

One unit of electricity is 1kwh or 1000 watts on for one hour. Look at your electricity bill for the exact cost of one unit. Here are some examples of domestic appliance running costs…

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| --- | --- | --- |
| **Appliance**  | **Use** | **Units used per meal/per day** |
| Cooker | Average use | 1.5 units per meal |
| Fridge/Freezer | All day | 2.0 units per day |
| Fridge | All day | 1.5 units per day |
| Freezer | All day | 1.5 units per day |
| Iron | 500 watts | 0.5 units per 1hrs usage |
| Kettle | 12 pints of water | 1.0 unit |
| Microwave | 1000 watts | 1.0 unit per hour |
| Toaster | 60 slices of toast | 1.0 unit |
| Washing Machine | 1 x daily load | 3.0 units |
| Tumble Dryer | 1 x daily load | 2.5 units |
| Dishwasher | 1 x daily load | 2.0 units |
| Vacuum Cleaner | 500 watts | 0.5 units per 1hrs usage |
| PC | 3 hours usage | 1.0 unit |
| Hi Fi | 10 hours usage | 1.0 unit |
| Gaming Console | 3 hours usage | 1.0 unit |
| TV | 6 to 9 hours usage | 1.0 unit |
| LCD TV | 4 to 6 hours usage | 1.0 unit |
| Plasma TV | 2 to 4 hours usage | 1. unit
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| Storage Heating |  |  |
| 3.4kw heater | Daily usage | 24 units per day |
| 2.5kw heater | Daily usage | 18 units per day |
| 1.7kw heater | Daily usage | 12 units per day |
|  |  |  |
| Electric bar fire | 1 bar = 1kw | 1.0 unit per hour |
| Fan/Convection heater | 2kw | 1.0 unit per 0.5 hours |
| Oil filled radiator | 2kw | 1.0 unit per 0.5 hours |
| Halogen Heater | 1.2kw | 1.0 units per 0.8 hours |
|  |  |  |
| Immersion heater | 3kw | 3.0 units per hour |
| Electric shower | 9.0kw  | 1.5 units per 10 minutes |
|  |  |  |
| 100 watt bulb | 10 hours usage | 1.0 unit |
| 60 watt bulb | 16 hours usage | 1.0 unit |
| 40 watt fluorescent strip | 25 hours usage | 1.0 unit |
| 20 watt CFL | 50 hours usage | 1.0 unit |
| 11 watt CFL | 80 hours usage | 1.0 unit |