

Energy Audits

May 2008

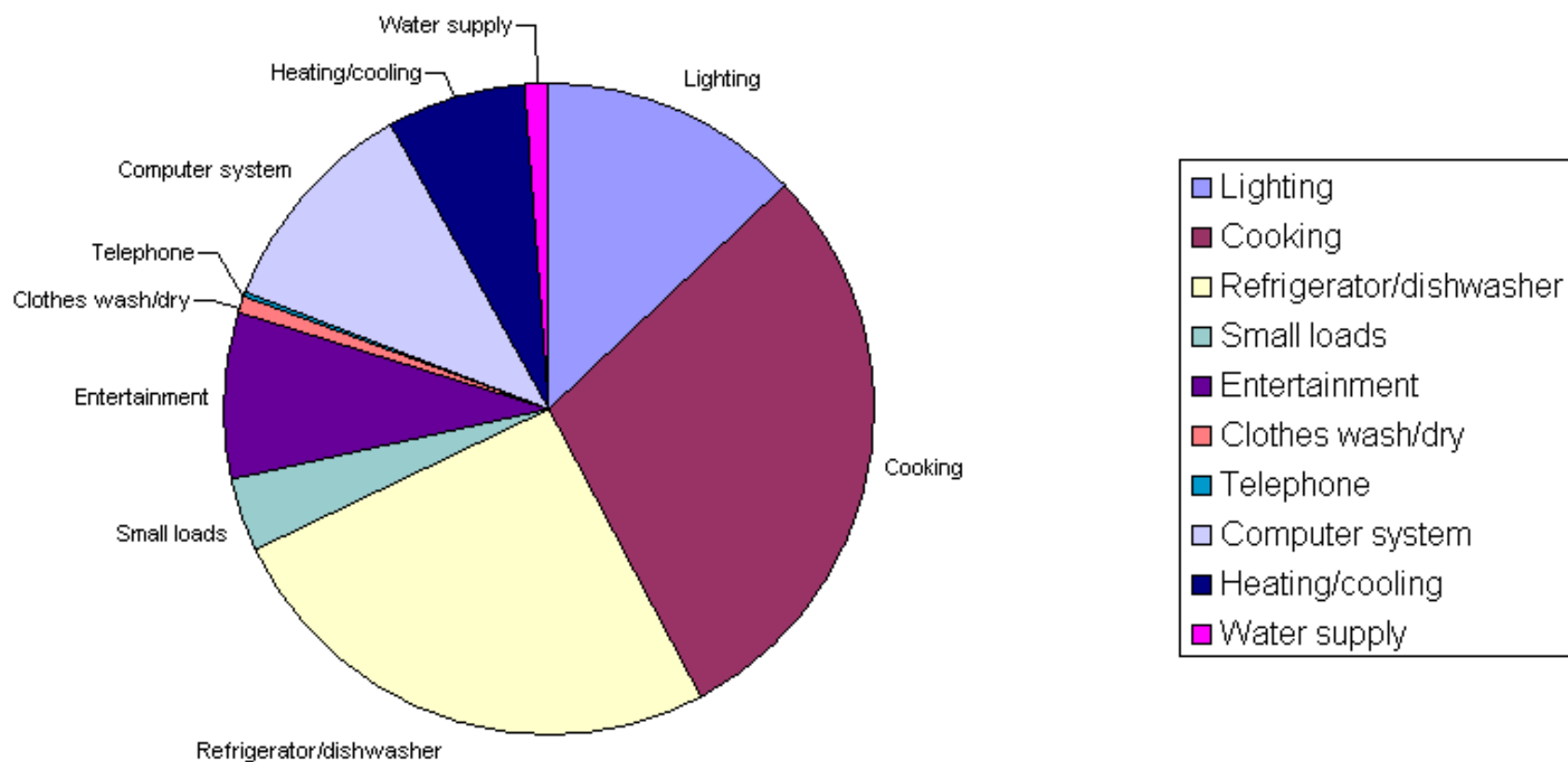
Audits done by Members



Jim Lamberts Audit



Electrical Energy Breakdown





Comments

- Powermate – useful for peak loads, average loads and loads over a period of time eg – fridge
- Cannot measure large loads eg air conditioning, particularly as there is a large seasonal variation.
- Spreadsheet not easy to modify to add extra lines, does not cater for standby loads

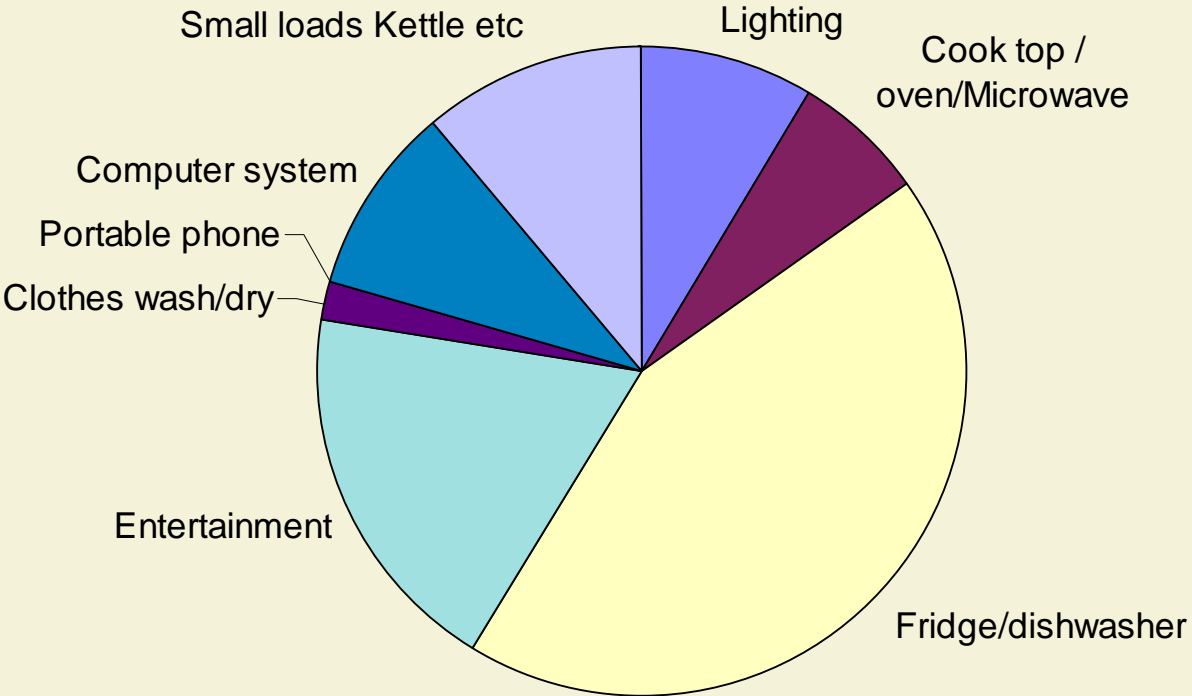


- Standby loads not significant 6% computer and 4% everything else.
- Jims turns his computer system off when not in use, including internet.
- Investigating laptop as they use less power.
- Uses around 12.8 Kw/h /day

Paul Fritze's Audit



Cost / day 13.5c /kWh



- Lighting
- Cook top / oven/Microwave
- Fridge/dishwasher
- Entertainment
- Clothes wash/dry
- Portable phone
- Computer system
- Small loads Kettle etc



Comments

- Paul has Solar panels on the roof generating 7.5 Kw/h /day
- They only use 5 Kw/h / day (2 people)
- He uses cold water wash in the dishwasher, washing machine and a short cycle on the clothes washer.
- He turns off appliances when not in use
- Uses remote switches to switch off computer and audio equipment.



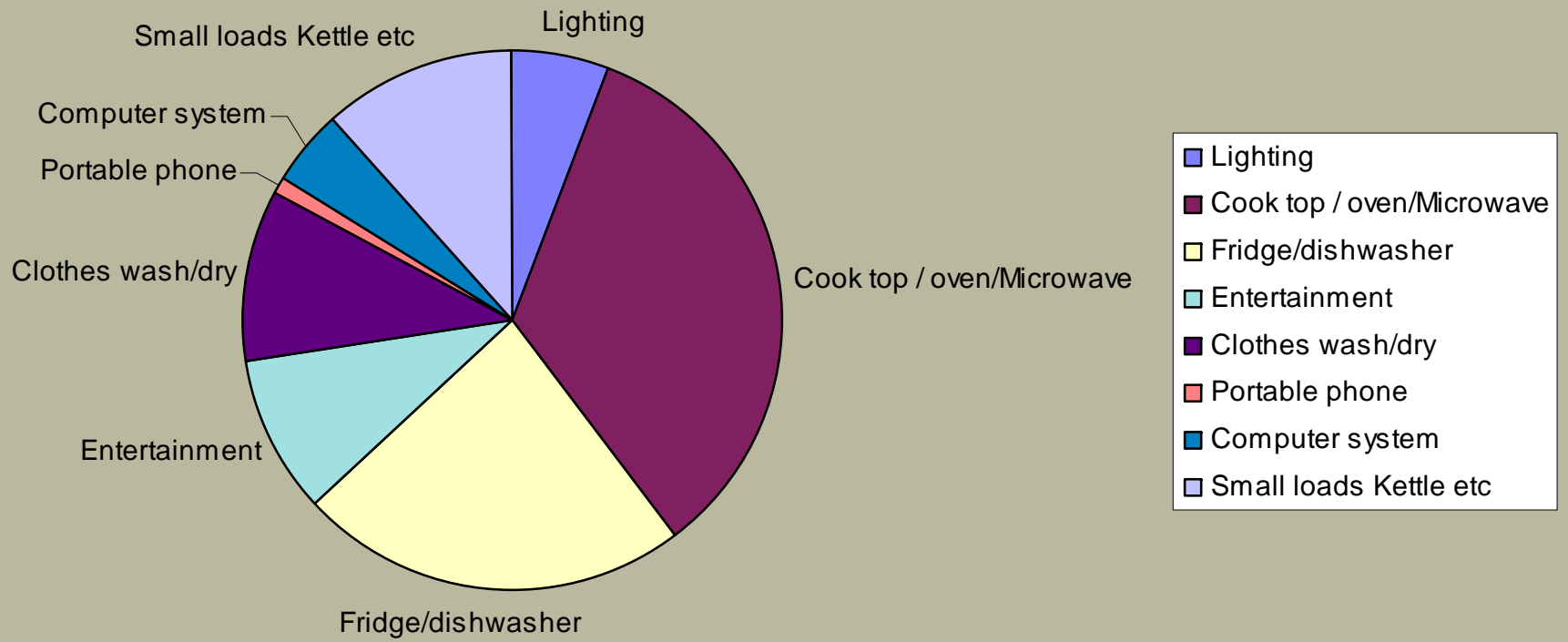
The future

- Looking for a more energy efficient fridge eventually
- Replace downlights with LED downlights when they have improved to being equivalent light output.

Chris Moss's Audit



Cost / day 13.5c /kWh





Comments

- Use around 10 Kw/h / day 2 people
- Varies as people stay at the house from time to time.
- Look to replace electric cooker with gas.
- Turn off computer when not in use.
- Powermate useful as it you can measure things that are used intermittently over time.

