

Energy saving at no extra cost

Tips and tricks around the home

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Energy and Carbon Emissions: the way we live today

Transition Cambridge – Cambridge Carbon Footprint

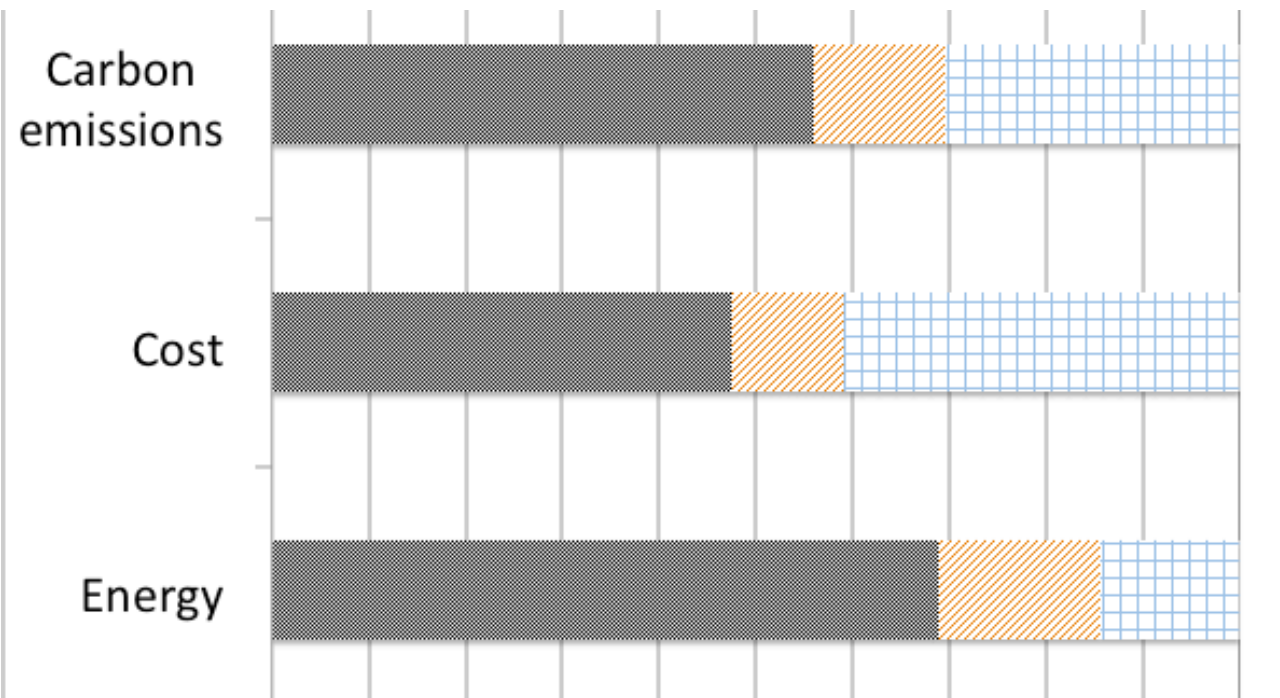
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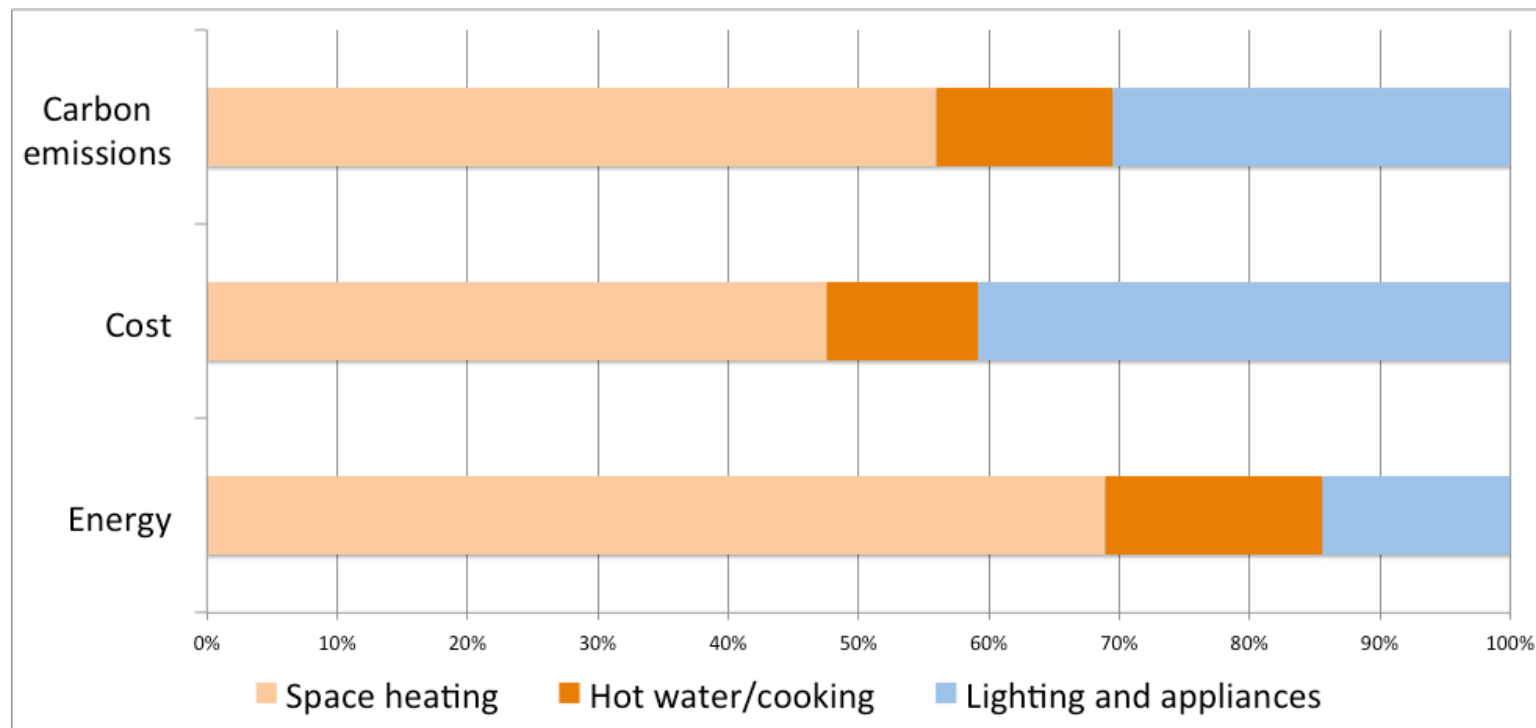


Challenge 1: what costs the most?

Hot water
Space heating
Electricity



Why do you want to save energy?



Every household is different

- People living in similar houses use energy differently
 - Are you there during the day? Do you use all the rooms?
 - Do you leave windows open for ventilation?
 - Do you watch a lot of TV/read/play computer games/knit/make models/bake cakes
 - Do you have mountains of washing?
- There's the house, and there's what you do in it.

Challenge 2: What can we do?

- List all the energy saving measures you can think of?
 - No changes to the fabric of the house
- space heating, hot water, electricity
- small – medium – large
- easy – hard

What makes it easy or hard?

Easy

- Set it up once and then forget about it
- Get in the habit
- Reminders – electricity monitor

Hard

- Having to think about it
- Getting other people to do it
- Time
- Uncomfortable
- Not knowing how much difference it makes

Analysing your electricity use

At nicola.qeng-ho.org

	Item	Usage	Details	kWh/day	
<input type="button" value="CSV"/>	Grand total			= 6.6	
<input type="button" value="⌵"/> <input type="button" value="⌶"/> <input type="button" value="✕"/>	Fridge-freezer	Total for year <input type="button" value="⌵"/>	400 kWh	= 1.10	
<input type="button" value="⌵"/> <input type="button" value="⌶"/> <input type="button" value="✕"/>	Washing machine	Uses/week <input type="button" value="⌵"/>	5 times 0.5 kWh	= 0.36	
<input type="button" value="⌵"/> <input type="button" value="⌶"/> <input type="button" value="✕"/>	Tumble dryer	Uses/week <input type="button" value="⌵"/>	5 times 1.2 kWh	= 0.86	
<input type="button" value="⌵"/> <input type="button" value="⌶"/> <input type="button" value="✕"/>	Kettle	Uses/day <input type="button" value="⌵"/>	6 times 0.08 kWh	= 0.48	
<input type="button" value="⌵"/> <input type="button" value="⌶"/> <input type="button" value="✕"/>	Microwave	Total for year <input type="button" value="⌵"/>	167 kWh	= 0.46	
<input type="button" value="⌵"/> <input type="button" value="⌶"/> <input type="button" value="✕"/>	Breadmaker	Uses/week <input type="button" value="⌵"/>	2 times 0.34 kWh	= 0.10	
<input type="button" value="⌵"/> <input type="button" value="⌶"/> <input type="button" value="✕"/>	Toaster	Uses/week <input type="button" value="⌵"/>	5 times 0.09 kWh	= 0.06	
<input type="button" value="⌵"/> <input type="button" value="⌶"/> <input type="button" value="✕"/>	Clock radio	Watts <input type="button" value="⌵"/>	2.3 W 24 hrs/day	= 0.06	
<input type="button" value="⌵"/> <input type="button" value="⌶"/> <input type="button" value="✕"/>	TV system in use	Watts <input type="button" value="⌵"/>	120 W 5 hrs/day	= 0.60	
<input type="button" value="⌵"/> <input type="button" value="⌶"/> <input type="button" value="✕"/>	TV standby	Watts <input type="button" value="⌵"/>	20 W 19 hrs/day	= 0.38	
<input type="button" value="⌵"/> <input type="button" value="⌶"/> <input type="button" value="✕"/>	Games console	Watts <input type="button" value="⌵"/>	150 W 1 hrs/day	= 0.15	
<input type="button" value="⌵"/> <input type="button" value="⌶"/> <input type="button" value="✕"/>	Computer system	Watts <input type="button" value="⌵"/>	110 W 3 hrs/day	= 0.33	
<input type="button" value="⌵"/> <input type="button" value="⌶"/> <input type="button" value="✕"/>	Computer system standby	Watts <input type="button" value="⌵"/>	10 W 21 hrs/day	= 0.21	
<input type="button" value="⌵"/> <input type="button" value="⌶"/> <input type="button" value="✕"/>	Lighting	Total for year <input type="button" value="⌵"/>	537 kWh	= 1.47	

Challenge 3: What can you do?

- What energy saving measures do you think you can take in your home?
- Your favourite 3

Wrap up

- Main messages
 - To reduce carbon emissions or costs, electricity use is important as well as heating
 - You are as important as well as your house
 - Some things are easy – some things can be made easier
- Feedback
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