



Energy Emissions Released

The complexity of the hot drink

- Did you know that if you drink four mugs of tea, with milk, per day, boiling just the water you need, over the course of a year that emits the same emissions into the atmosphere as a 60 mile car drive in an average car.
- One cup of tea with milk, boiling only the water you need, emits around 53g of omissions. Whilst that fact is shocking, you can dramatically reduce that by over half if you have black tea (or coffee). Those emissions then increase to 71g if you boil double the water you need. The omissions then increase exponentially to 235g for a large cappuccino and 340g for a large latte!

By just boiling on the water you need and maybe reducing the amount of milk in your drink you can make far more of an impact that you would think.

The Low Carbon Hobby

- One hour per day of watching TV on a 32-inch LCD flat screen comes to 32kg per year. This is the equivalent to a 45 mile drive in an average petrol car.
- An hours TV emits 34g on a 15-inch LCD flat screen, 76g 28 inch CRT TV, 88g 32 inch LCD flat screen and a whopping 220g on a 42-inch plasma screen.
- As the average European spends three and a half hours a day watching TV you could say this is a win!

Inviting some friends over and watching together you can make this activity even more efficient. The more the merrier!

The Humble Light Bulb

- Oh the rummings that have spread over the emissions of the light bulb. The big question...if you turn the light on does that use the same amount of energy as leaving it on for half an hour? Answer: No.
- As a fun fact the 100 watt incandescent bulb, which is now illegal in the UK for shops to buy, emit 500kg a year. In comparison the low energy bulbs use only 90kg over the course of the year.

Of course, nothing comes without problems. The mentality of them being low energy bulbs has led to us using them more, resulting in greater consumption. Don't get sucked in the trap of thinking "I've left the light on but it does not matter because they are low-energy".

The lesson: turn the lights off regardless of whether they are low-energy or not!



The Fun Facts

Heading towards the ridiculous but cool energy facts:

Volcanoes

Mount Etna in a quiet year produces 1 million tonnes in emissions. In comparison, Mount Pinatubo, Philippines, emitted 42 million tonnes in 1991.

Let it be known that this is well under 1% of the annual emission for human activities. Interestingly enough, the combination of the ash and sulphur dioxide produces a cooling effect before the heating begins. Mount Pinatubo supposedly cooled the planet by 0.5°C in 1992.

The World Cup

The 2010 South African World Cup produced 2.8 million tonnes of emissions.

To put that into context that is 6000 space shuttle flights, three quiet years for Mount Etna or 20 cheeseburgers for everyone in the UK!

It might not be the most well received suggestion, but maybe invite your friends around to just watching the World Cup on the TV!

We hope this fact-sheet has been helpful and has opened your mind to emissions. These facts were all taken from 'How Bad are Bananas?' : The Carbon Footprint of Everything by Mike Berners-Lee.

If you'd like to talk with a member of our Environmental Group to find out more about what you can do to minimise the environmental impact of your business, do get in touch.

The Thatcham Sustainable Market takes place this Saturday, we are proud sponsors and look forward to attending the event. Find out more information by following Thatcham Sustainable Market on Facebook.

Newbury Office

White Hart House
Market Place
Newbury
Berkshire
RG14 5BA

01635 508080

Maidenhead Office

First Floor
7 Frascati Way
Maidenhead
Berkshire
SL6 4UY

01628 671636

Thatcham Office

Winbolt House
The Broadway
Thatcham
Berkshire
RG19 3HX

01635 508080