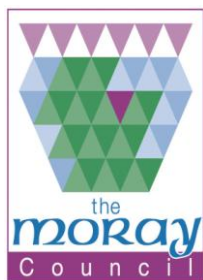
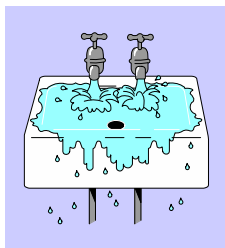




Carbon Campaign Newsletter - September 2013



WHAT'S ON SEPTEMBER 2013?



From 1st -6th September World Water Week will be held in Stockholm, this year to discuss the problems related to Water Quality. Water is essential for businesses from all sectors from textiles, construction, food and healthcare. World leaders and experts are convening this year for the event's 20th anniversary.

CelebrityCores



Rock chick Sheryl Crow is committed to her green lifestyle. Besides driving a hybrid car and fitting solar panels on her home, the melodic Mum of one flushes the toilet less, doesn't run the tap when cleaning her teeth, only operates the dishwasher when it's full and even washes her clothes in cold water! "If it makes you happy" Sheryl, we are too!

Introduction

Welcome to the latest edition of the Carbon Campaign newsletter, part of the Moray Council's environmental awareness campaign.

We have enjoyed providing you with environmental assistance this year and your comments and feedback have also been useful. Last month our web count showed that 982 people read the newsletter - thanks for taking an interest!

This month the newsletter focuses on water consumption. We may forget that each site pays for its water usage individually. Along with drainage and sewage charges the costs are significant. Last year the Moray Council paid £600,000 in water charges to our water provider, Business Stream. So, the challenge this month is not only to think about reducing electricity and heating charges at your place of work but also think about the water costs. If you would like to know how much water is used where you work and how much it costs get in touch - energy@moray.gov.uk

There are some suggestions of ways to reduce your water consumption later in the newsletter.

Website of the Month

Homes in Great Britain use NINE BILLION litres of water every day, the largest and most comprehensive study of water use ever has revealed. *At Home with Water*, a report commissioned by the Energy Saving Trust Foundation in partnership with DEFRA, Procter and Gamble, Thames Water, Consumer Council for Water and SaveWaterSaveMoney, presents the findings from a study of 86,000 British households - and sheds new light on how we use water.

Showers are the biggest consumers of water in the home, using a quarter of the total - three per cent more than lavatories (22 per cent).

At Home with Water found an average shower lasts seven-and-a-half minutes - and cutting a MINUTE off that time would save British households £215 million on energy bills each year.

To read the full text of the *At Home with Water* report, and for more money-saving tips, see the Energy Saving Trust website at

www.energysavingtrust.org.uk/About-us/The-Foundation/Our-pioneering-research

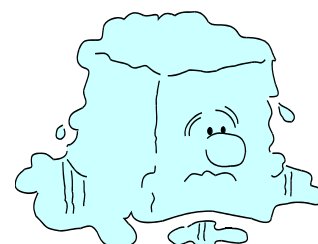
Did you know?

97% of water on the planet is salty.

Of the remaining 3%, three quarters is frozen.

That leaves less than 1% for everything else.

Think next time you fill the kettle





How much?

So, how much water are we using and how much does it cost? Water costs include charges for water used along with drainage and sewage costs. Here is a selection of water charges from some of our sites in May 2013:

Keith Swimming Pool used 401 cubic metres of water and paid £898.78
 Pilmuir Primary School used 62 cubic metres of water and paid £268.94
 Elgin Town Hall used 90 cubic metres of water and paid £410.31
 The public toilets in Cullen used 14 cubic metres of water and paid £73.40
 Forres House Community Centre used 199 cubic metres of water and paid £537.77
 Greenwards Primary School used 264 cubic metres of water and paid £695.15
 That's just less than £3,000 for six sites for one month!

**1 cubic metre of
water (m³)
equals 1,000
litres**

Water, Water Everywhere

We are keen to examine how much water we use in our organisation and how much we waste so we are inviting you to consider your own water consumption, both at work and at home. Here are some surprising facts about how much we each use:-

Did you know?

In the UK we use
70% more water today
than we did
30 years ago!



1 litre	7.5—9.5 litres	25 litres	90 litres	65 litres	120-150 litres	141 litres	160 litres
Boiling a kettle	Flushing the lavatory	Full dishwasher load	Taking a shower	Full washing machine load	Taking a bath	Average water used per person a day with a water meter	Average water used per person a day with no meter

Saving water is easy with these simple tips:

- Only fill the kettle with as much water as you need. In areas of large consumption, consider fitting an efficient water boiler.
- Have a shower, not a bath, and reduce your time to less than 9 minutes to use less water than a bath.
- Use the plug when washing up and wash more than a few items at a time.
- Fill the washing machine and dishwasher or use the half load option.
- Don't leave the tap running when brushing your teeth.
- If a toilet is more than 10 years old you can reduce the flush volume by filling a small plastic bottle with water and placing it in the cistern.
- Wash the car with a bucket of water, rather than a hose.



Exploding Environmental Myths



An eco shower in operation!

“Does a shower always save more energy/water than a bath?”

ANSWER: Not always. It depends on your shower type, water pressure and how long you take. A full bath can hold up to 150 litres of water and spending just 5 minutes in the shower can use 1/3 of this. Shower throughput can range from 3 litres to 30 litres per minute, with power showers the most energy intensive. The most common shower type produces 9 litres a minute. With the average person taking 10 minutes in the shower, this should be less than a bath, as long as it's not a power shower. Replacing a showerhead that projects more than 16 litres per minute and taking showers lasting less than 10 minutes will result in greater CO₂ savings. And, to dispel another myth, women only shower for 39 seconds longer than men! (Facts from Environment Agency & Waterwise).