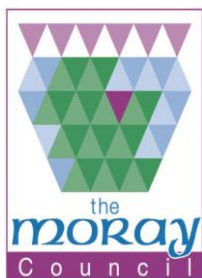




## Carbon Campaign Newsletter – October 2013



### WHAT'S ON OCTOBER 2013?

This year's **Energy Saving Week** takes place **21-25 October** across the UK.

The week, now its 14th year, aims to help raise awareness of energy efficiency within the home, helping households lower their carbon footprint and save money on energy bills. Throughout the week the Energy Saving Trust holds events around the UK offering bespoke advice to the individual and the local community.



### Celebrity Corner

A northern celebrity was selected to work closely with the Energy Saving Trust through her "honest, open and helpful advice" to encourage people to use power efficiently. Aardman Animations, creators of Wallace and Gromit, said they hoped Pretty Penny, designed in the same way as the famous duo, will encourage the public to become more energy efficient and save themselves a Pretty Penny in the process!



### Introduction

Welcome to the October newsletter, part of the Moray Council's environmental awareness campaign.

We recognise that we have a duty to mitigate the impact of climate change and serve our community as best we can. This newsletter is designed to keep you up-to-date with saving energy and money at home and at work. This month we honour Energy Saving Week and look at energy usage at work and at home. Spotting wasted energy can not only reduce your carbon footprint but also save you money.

Regular columns in the Carbon Campaign newsletter include *Exploding Environmental Myths*, *Celebrity Corner* and *Website of the Month*. It will be as topical as possible in order to promote any environmental initiatives and keep you up-to-date with all things green. If there's anything you'd like to see featured, we'd like to hear from you. Please email [energy@moray.gov.uk](mailto:energy@moray.gov.uk).

### Website of the Month

[www.moray.gov.uk/energy](http://www.moray.gov.uk/energy)

This month we have chosen our own web-site as the website of the month. Here you will find hints and tips about saving energy at home, in the workplace and at school. You can read the monthly newsletters here or take the Climate Cops challenge and **SPEND AN HOUR WITHOUT POWER**.



### Exploding Environmental Myths

***"The radiators are luke warm so the heating system has broken down".***

**ANSWER:** Many heating systems are fitted with weather compensation control. This monitors the outside temperature and controls the temperature of the water to radiators to avoid overheating. On a very cold day when the outside temperature is -3°C, the hot water temperature might be at 80°C. On a mild day (say 12°C) the hot water temperature might be at 40°C. So if the radiators are warm rather than hot it may well be that the compensator is working correctly! This means your building will not get overheated





## Saving Energy and Money at Home

The Moray Council is keen to provide ways for all staff to save money and energy at home as well as at work. Energy bills are often thought of as a cost set in stone, but so many savings can be made from low cost investment or even through simple measures which cost nothing at all! Here are a few ideas before winter really sets in.

HOW TO SAVE ENERGY AT HOME	Amount saving in £	Installed cost	Installed payback	DIY cost	DIY payback	Annual CO <sub>2</sub> saving
Only use heat/lights/appliances required	£160	–	–	–	–	500 kg
Installing energy efficient light bulbs	£50	–	–	£50	1 year	175kg
Cavity wall insulation	£160	£250*	18 months	–	–	800kg
Double glazing	£140	Varying	Varying	–	–	720kg
Loft insulation (270mm)	£205	£250*	15 months	£250	15 months	1000kg
Floor insulation	£50	–	–	£90	18 months	250kg
Draught proofing	£30	£200	7 years	£90	3 years	150kg
Fill gaps between skirting board and floor	£25	–	–	£20	1 year	130kg
Hot water tank jacket	£40	–	–	£12	5 months	195kg
Pipe work insulation	£10	–	–	£10	1 year	65kg
Upgrade to a condensing boiler	£170	Varying	Varying	–	–	875kg
Heating controls update	£105	£200	2 years	–	–	530kg

Assumed costs 13.95p/kWh for electricity & 4.03p/kWh for gas.

For further details see [www.energysavingtrust.org.uk](http://www.energysavingtrust.org.uk).

\*Includes a 50% subsidy from major energy suppliers under Carbon Emissions Reduction Target (CERT).

## How much?

In financial year 2012/13 the Moray Council's energy use emitted 13,923 tonnes of carbon dioxide into the atmosphere.

This amount of carbon dioxide would fill 501,188,613 party balloons or 79,158 double decker buses.

What about where you work? Here is a selection of emission levels and equivalents for the same period for some of our sites. If you want to know yours get in touch: [energy@moray.gov.uk](mailto:energy@moray.gov.uk)

Site	CO <sub>2</sub> Emissions	Would fill ..
Forres Academy	465 tonnes CO <sub>2</sub>	2 Royal Albert Halls
Millbank Primary	228 tonnes CO <sub>2</sub>	45 hot air balloons
Elgin Community Centre	180 tonnes CO <sub>2</sub>	90,000 fire extinguishers
Moray Resource Centre	49 tonnes CO <sub>2</sub>	11,650 phone boxes
Auchernack, Forres	79 tonnes CO <sub>2</sub>	449 double decker buses

