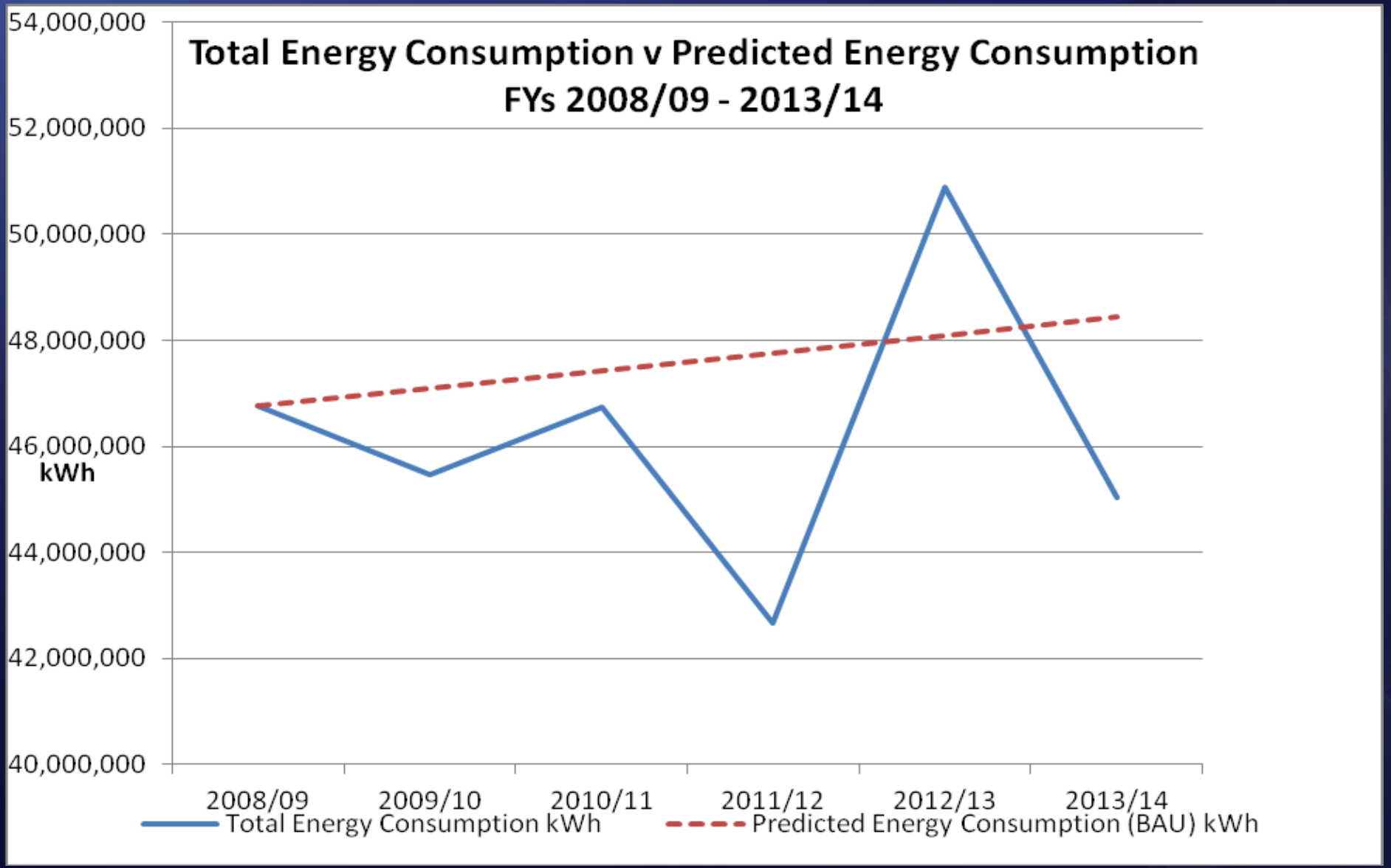
THE MORAY COUNCIL ENERGY TEAM

Bill Anderson – Energy Officer
Lindsey Jackson – Technical Assistant Energy
Penny Oliver – Admin Assistant

Responsible for 324 non-domestic operational and vacant council sites throughout Moray.

Last year we consumed 45,041,000 kWh of energy; 139,464 cu m of water (139,464,000 litres); caused 13,407 t CO_2 to be emitted and paid £3,342,000 for this.

Energy consumption trends



Projects

Since the Energy Team were set up in 2005 we have carried out varied projects to reduce energy consumption and costs.

We have been involved in 80 projects so far.
36 projects at schools to reduce heat loss from draughty windows and doors.
This is estimated to have saved 642,000 kWh and £23,500 per year.

16 lighting upgrades – 347,000 kWh and £29,300

Projects

Upgraded swimming pool covers – 793,000 kWh and £9,500

Upgraded roof insulation – 150,500 kWh and £9,200

5 projects to reduce standing electricity charges saved £16,000

Presently the projects are producing annual savings of just over 3,000,000 kWh and £130,000.

Renewables

We have biomass heating systems in place at Speyside HS, Milnes HS, Newmill PS and Lossiemouth Library.

The last 2 are community run Energy Supply Companies, we purchase the heat from someone else's biomass system.

Milnes HS has a biomass heating system feeding the new areas of the school.

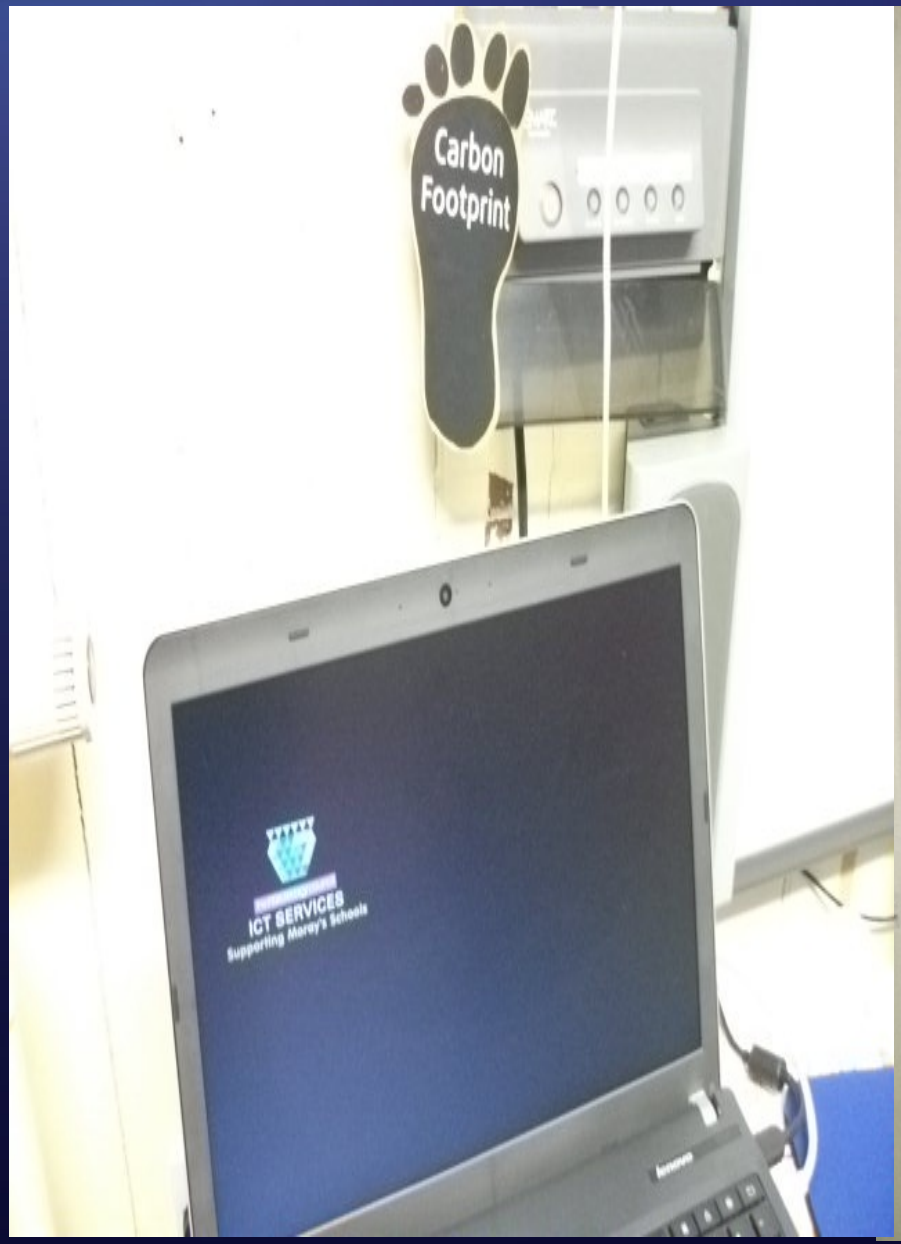
Eco-schools

Every school in Moray has signed up to the Eco-schools Scotland scheme. This is run by Keep Scotland Beautiful.

Eco-schools is an international initiative designed to encourage whole-school action on sustainable development education issues.

Energy and water are two of the main topics of the scheme and we assist schools, where possible, with visits, talks, help with energy/water audits and educational resources.

Eco-schools


Carbon Footprint
ICT SERVICES
Supporting Moray's Schools

SAVE ENERGY
THIS MEANS YOU!
PLEASE SWITCH OFF LIGHTS
WHEN NOT IN THE ROOM
By order of the Management and Eco Group!
E-Team
When you are leaving the classroom remember to ask these questions:
Has it been done?
Are all the lights turned off?
Is the computer monitor sleeping with the sign down?
Has the SMART board been turned off?
Is all other electrical equipment not being used turned off?

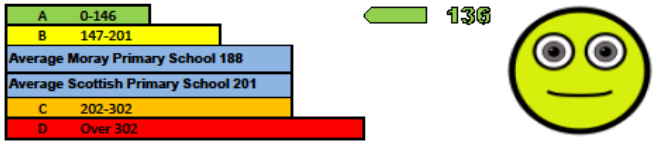
Eco-schools

THE MORAY COUNCIL
ENERGY PERFORMANCE CERTIFICATE

EAST END PS - 2013/14

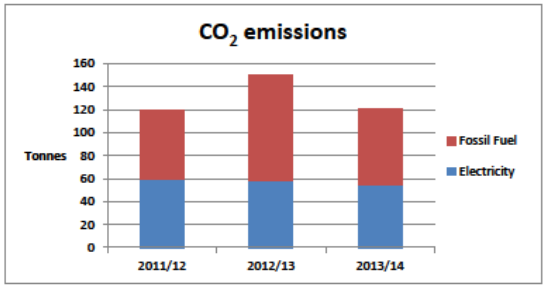
Overall Energy Performance (kWh/sq m)

This tells you how well your overall energy consumption per square metre is compared to an average Moray and Scottish primary school.



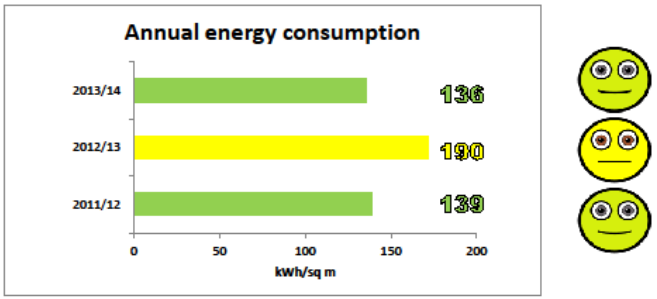
Total CO_2 Emissions

This tells you how much carbon dioxide the school has emitted for the past 3 years.



Annual overall energy consumption (kWh/sq m)

This shows the energy performance over the last 3 years.



THE MORAY COUNCIL
ENERGY PERFORMANCE CERTIFICATE

INVERAVON PS - 2013/14

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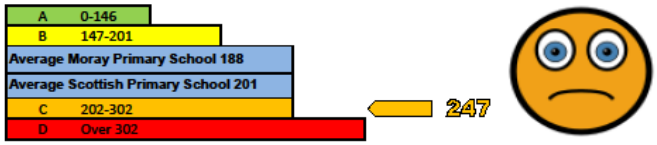

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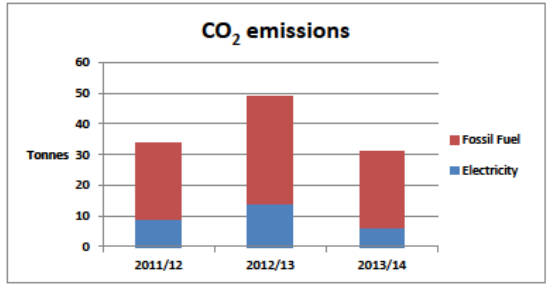

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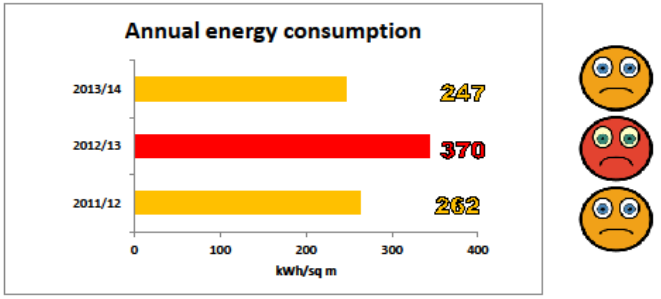


Staff Awareness

Another role we carry out is raising awareness amongst council staff.

We are part of staff induction training.

We have trained school janitors and hall keepers in energy awareness.

Since 2011 we have met 1,732 people on our travels round schools and offices.

Staff Awareness

In November 2014 (Energy Month) we carried out 5 staff awareness events out on sites. 120 staff attended these to pick up information on saving energy at work and at home.

We also produce a monthly article in the staff magazine Connect as well as a website – www.moray.gov.uk/energy

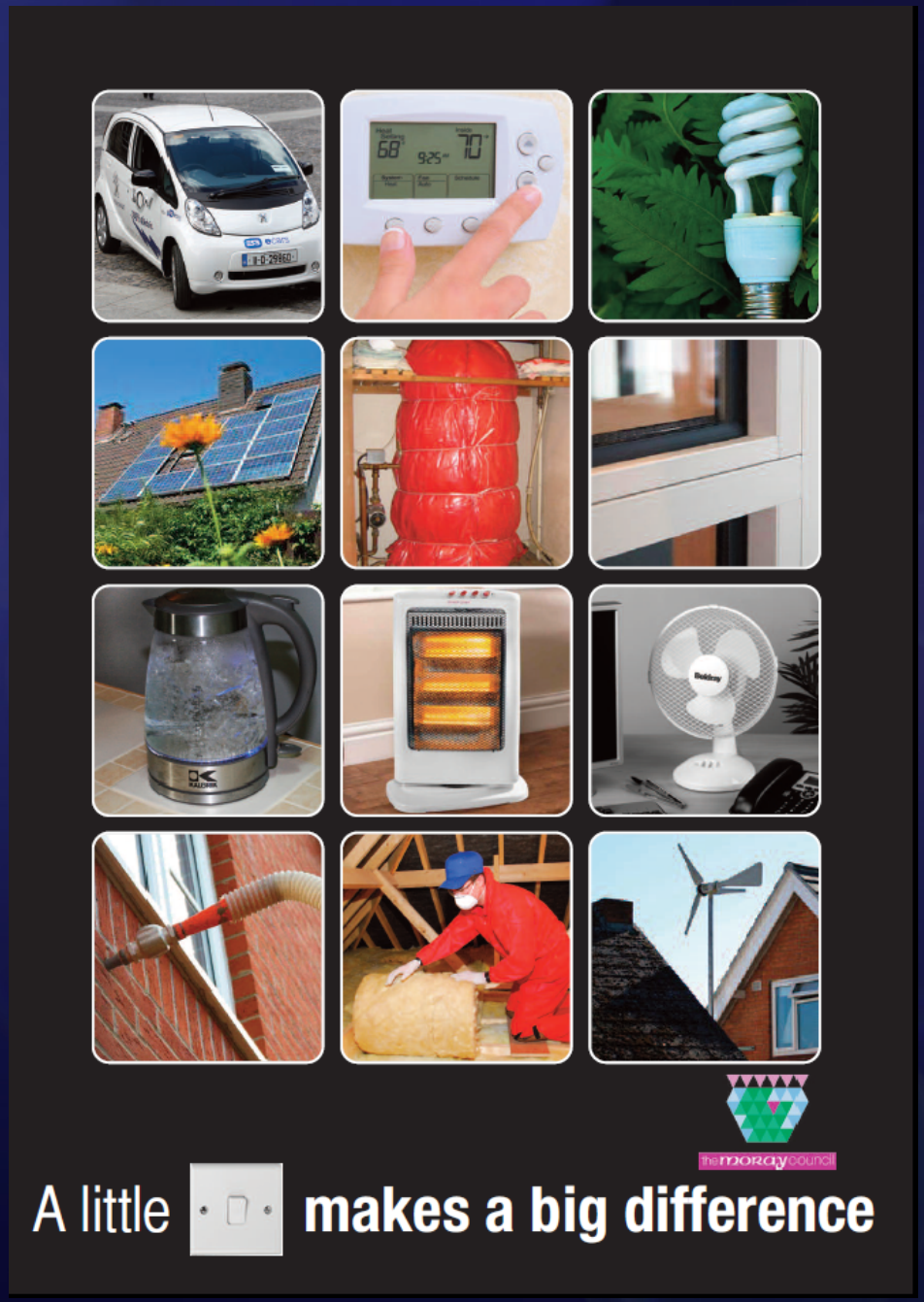
Awareness

We are launching an awareness campaign this summer with a new strap line of

A little **makes a big difference**

This will appear in a new range of posters, pens and post-it notes to remind staff that it is in their own hands to help reduce consumption.

the moray council



Wish List

With a magic wand (and unlimited cash) our priorities would be:

AWARENESS

‘Green Champions’ supported by management at all sites.

Mandatory energy awareness training at all schools – as part of the curriculum.

Energy awareness as part of management briefings.

PROJECTS

Improvement to the fabric of buildings.

Upgrade heating and heating controls.

Upgrade lighting – LED/controls.

Any questions?