

## Mull wind turbine spins into action

We installed our first wind turbine in October. OSG worked in partnership with Turbine Services Ltd to install a 6 kW Proven Energy Wind turbine at a wonderful location above Treshnish Farm at the north end of Mull.



Turbine over looking Calgary Bay

Our clients already have a biomass district heating system to heat the holiday cottages and now they will have clean green electricity from their wind turbine on the hill (approx. 10,000 kWh per year).

The foundations took a day to complete. We then returned 3 weeks later to install the 15m turbine, controls and grid connection.

The turbine generated 1,000 kWh in the first 3 weeks... bring on the Feed in Tariff!

See all the photos of the installation in the Case Study section on our website and have a look at our client's blog:

[haunnblackhouse.blogspot.com](http://haunnblackhouse.blogspot.com)

## OSG Training

We are running 2 more Renewable Energy Training Courses on:

- 8<sup>th</sup> and 9<sup>th</sup> December
- 2<sup>nd</sup> and 3<sup>rd</sup> February



At the Midlothian Innovation Centre, Roslin, EH25 9RE

Cost £350 (+VAT)

**Why not join us for our December course and we will give you a £50 discount. There will be mince pies too.**

Please follow the link

<http://www.onsitegeneration.co.uk/training.php>

## Village halls go green in East Sutherland

In August, OSG won a Community Energy Scotland contract to audit 16 community halls across East Sutherland. Our remit was to look at energy use within the buildings and recommend energy saving measures and opportunities for installing renewables. Jason managed the contract, "It has been a really interesting project, taking us to a lovely part of Scotland. The individual hall reports recommend a total of 90



Brora Scout & Guide Hall

energy efficiency measures, saving an estimated £17,000 per year on energy bills and 520 tonnes of CO<sub>2</sub>. Hopefully the work will help sustain vitally important community buildings and lead the way to biomass, PV and wind turbine installations."

Our OSG team included Naomi Miskin and our associates Tim Hartmann of North Isles Environmental and Alex Haddow of Home Heat Surveys.

## Naomi joins OSG from WSP via CAT

Naomi Miskin joined OSG at the beginning of September. She has over seven years experience in a wide range of environmental consultancy projects.

Over the past year, she has been studying for an MSc in Advanced Environmental and Energy Studies at the Centre for Alternative Technology, with a particular focus on renewable energy and sustainable building. She is currently carrying out thesis research into solid wall insulation and embodied energy in building materials.

Since joining OSG, Naomi has been involved in delivering

energy efficiency appraisals and renewable energy feasibility studies and is already a valued member of the team.

Alongside renewables, she has a strong interest in wider environmental issues associated with construction, in particular natural building materials and eco-refurbishment.

In December, she is attending a training course on 'Living Roofs', so you know who to call...



## New interest free loans for homeowners

Energy Saving Scotland home loans are interest free and can help you stop wasting energy, lower fuel bills and tackle climate change.

The Energy Saving Scotland home loans scheme is managed by the Energy Saving Trust in Scotland on behalf of the Scottish Government.

Loans of between £500 and £10,000 are available. The loans are interest free so you only pay back what you borrow.

Applicants can pay back the loan in monthly installments over a maximum of eight years.

Loans can be combined with grants such as the Energy Saving Scotland home renewables grants and funding from fuel suppliers under the Carbon Emission Reduction Target.



The loan can be used to:

- ✦ Install cavity wall or solid wall insulation and/or loft insulation;
- ✦ Install renewable energy systems;
- ✦ Replace old, inefficient boilers.

The measures must be recommended: by a Home Renewables Adviser; in a Home Energy Report from EST; or in an Energy Performance Certificate. Contact us and we'll put you in touch with your local Home Renewables Adviser.

## Making the training course connection

We spread our training wings a bit in October and ran three courses for SELECT to introduce electricians to renewables and hopefully "spark" interest in renewable technologies.

SELECT started advertising a course to their members and quickly had to arrange 2 additional dates to meet demand. The courses were presented by Jason and were full, with 16 people attending each day. "I really enjoyed presenting courses to a completely different sector, full of interesting and often detailed questions and adding their own experiences to our version of how installations should go. We now know plenty of excellent electricians to hopefully work with in the future." We hope to run further courses with SELECT, perhaps in other parts of Scotland.



## Quotes

"Thank you very much for all your help getting us to the point where we are now - with a gleaming turbine spinning away up there on the hill. It is very exciting to see it and it was an effortless stress free installation from our point of view. Your advice over the last couple of years has been really helpful and much appreciated."

*Carolyn Charrington, Isle of Mull, October 2009*

"Very good course. Just the right balance of theory and practical experience and examples. The course had a good selection of reference material in the notes which will be very useful. I thoroughly enjoyed it."

*Tim Hartmann, North Isles Environmental, June 2009.*

## OSG's recent clients

Community Energy  
Scotland  
SELECT  
Scottish Centres  
Whitsome Ark  
South Ayrshire Council  
Energy Saving Trust  
Kingdom Housing  
Association  
Scottish Maritime Museum

## Energy for all at Scottish Centres

In April, OSG was chosen as the preferred consultant to complete an energy efficiency and renewable energy study for Scottish Outdoor Education Centres.



10 kWp of solar PV at Belmont Centre

The study focuses on how the building fabric of the four centres around Scotland can be improved and made more energy efficient. It also provides a plan for renewable energy technology roll out.

Scottish Centres is trying to lead the way with renewable energy and already has a 10 kWp of solar PV at their Belmont centre. The main goal of the study is to provide the young visitors, who come for a taste of outdoor activities, with an understanding of our environment and what we can do to reduce the effects of our actions.

## The Landy starts pulling its weight

Our new old landrover is now on the road. It will be an essential asset for serving our remote customers and will be the company's workhorse. Hopefully you will see it from time to time. Give us a peep and a wave.

We will do our best to drive as efficiently as possible. Of millennium vintage, we like to think that our choice, while not the greenest, helps

to save some carbon from a replacing a brand new 4x4 purchase.



The Landy

## Who we are

On Site Generation Ltd is a renewable energy company, which supports the reduction of carbon emissions in homes, businesses and communities. We install renewable energy systems and provide expert energy and environmental consultancy and renewable energy training courses.

We are here to help you reduce the amount of energy you use and can design, install and maintain renewable energy systems including solar water heating, heat pumps, biomass boilers and wind turbines. We are MCS certified to install solar thermal and heat pumps. Our plan is to be solar PV and wind turbine certified in 2010.

## On Site Generation Ltd

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Heat Pumps & Solar Thermal (No. NIC1009)