

**THE FORUM FOR SCOTLAND'S RENEWABLE ENERGY INDUSTRY**

# REVIEW

review@scottishrenewables.com  
www.scottishrenewables.com

## SCOTTISH GREEN ENERGY AWARDS 2006

AND THE BAND PLAYED ON / 2

AWARD WINNERS / 4

THE YEAR AHEAD / 6





written by Jason Ormiston



# AND THE BAND PLAYED ON...

**2007 will kick off with Scottish Renewables sending a clear message to the Department of Trade & Industry that plans to reform the Renewable Obligation may be counterproductive.**

Earlier this year, following the conclusions to the Energy Review, the DTI issued a consultation to the industry asking for opinions on proposed reforms to the Renewable Obligation (RO) that are designed to promote emerging technologies like offshore wind, dedicated biomass, wave and tidal.

At the same time, the Scottish Executive issued a consultation on its Marine Supply Obligation (MSO) – a mechanism designed to bring forward commercial wave and tidal projects in Scottish waters.

With deadlines for responses drawing near, Scottish Renewables has consulted widely with its members and worked with other trade associations to find common ground upon which a strong response can be made.

Following a Scottish Renewables' member day in November, it was clear that the DTI's proposals have caused concern among renewable energy developers.

Jason Ormiston, acting chief executive of Scottish Renewables, said: "This has been one of the most proactive and all-embracing consultations conducted by us. Everyone agrees that emerging technologies should get extra support but that these should not be at the expense of more mature technologies, which are facing increased costs. Whilst the MSO goes some way towards doing that, the multiple and fractional ROCs system proposed by the DTI may actually lead to missed targets and less than anticipated green electricity generation, especially if there is an attempt to implement the changes at no extra cost to the consumer.

This is at a time when Scottish renewable energy projects will deliver 19% of Scotland's electricity needs next year and the Stern Report underlines the need to invest even more in low and zero carbon technologies. Our clear conclusion is that this is a time for more investment and only government

can provide the right environment for that to happen.

"Rather than just knocking the proposals though, we are keen to identify solutions to the problem. That is why we will be arguing for ways to reduce the costs to developers of emerging technologies whilst identifying alternative funding streams. There is a way out of this but banding the RO is not the way to do it."

The DTI also makes some positive proposals with a commitment to increase the RO to 20% and plans to allow agents to amalgamate ROCs from microgeneration.

Scottish Renewables anticipates that there will be more than 20 DTI, and other Government consultations, to be considered between December 2006 and the summer of next year.

To find out more about the DTI's proposals log onto [www.dti.gov.uk/energy/sources/renewables/index.html](http://www.dti.gov.uk/energy/sources/renewables/index.html).



## ANNUAL CONFERENCE 07

written by Jason Ormiston & Calum McCallum

With Scotland going to the polls on 3 May to elect a new Parliament and local Councils the third Scottish Renewables annual conference on 22-23 March 2007 could not be better timed.

Energy and climate change are certain to dominate the news pages and airwaves in the May elections and so the Glasgow conference, at the Glasgow Hilton for a second year, provides the industry an opportunity to influence the debate and help set the agenda.

Jason Ormiston, acting chief executive for Scottish Renewables, said: "This conference is a superb opportunity to promote the sustainable energy agenda ahead of the elections. Whilst very important technical issues, such as management of the grid queue, the slow and uncertain pace of planning and support for microgeneration are sure to be discussed there is little doubt that with political campaigns being launched in April that the future of renewable energy in Scotland will be a hot political potato.

"Political campaigners will be left in little doubt that the Scottish renewables industry is delivering a lot but with much more to do in electricity generation, biofuel production and providing green heat, now would not be the time to take the foot off the pedal. Scotland's politicians cannot ease up because of the positive start; instead there is a clear case for redoubling their efforts and removing unnecessary barriers to good green energy projects."

At last year's conference and exhibition in Glasgow, more than 300 delegates attended the two-day get-together.

To find out more and book your place at the annual conference log onto [www.scottishrenewables.com/events.asp](http://www.scottishrenewables.com/events.asp).



## SCOTTISH GREEN ENERGY AWARDS 2006



written by Grant Thoms

Over 700 guests from across the globe joined leading figures from Scotland's renewables community to celebrate the Scottish Green Energy Awards 2006 on December 7th, at the stunning Royal Museum in Edinburgh. The 2006 Awards were compered by BBC Scotland's Jackie Bird with songstress, Eddi Reader providing musical entertainment along with guitarist Boo Hewardine.

Scottish National Party Leader, Alex Salmond MP, was the keynote speaker at the Green Energy Awards and Mr Salmond congratulated the industry and award winners saying, "Scotland has a "once-in-a-generation" chance to develop green energy sources. Scotland is blessed with a variety of renewable and clean carbon technologies. We are an energy rich nation with a huge potential to be powered by the sea, the sun, the wind and using fossil fuels cleanly.

"The Green Energy Awards is the perfect way to recognise the effort put in by those individuals, communities and companies who want to see a greener, energy efficient and productive Scotland."

Former Fairground Attraction lead singer and contemporary interpreter of Burns songs, Eddi Reader, accompanied by the legendary guitarist, Boo Hewardine, entertained guests with renditions of her classic hits such as 'Perfect' and 'Patience of Angels', and a magical rendition of Robbie Burns's 'A Red, Red Rose'.

Jackie Bird, the BBC Scotland News presenter, held the Awards Ceremony together with professional ease, adding a touch of glamour to the whole proceedings. Altogether a record ten awards were made including a special award to former chief executive, Maf Smith.

# AWARD WINNERS



**Best Politician Award sponsored by British Wind Energy Association was won by Deputy First Minister, Nicol Stephen MSP.** Delighted by his accolade, Mr Stephen said, "I want Scotland to be the renewables powerhouse of Europe. It's an ambitious plan and we can make it happen. This year we have approved Europe's biggest wind farm and the world's biggest biofuels project. Next year I am determined to support wave machines generating electricity here in Scotland. Renewable energy can create thousands of jobs and billions of pounds of new investment."

**Winner of the Best Business Achievement Award sponsored by the Aberdeen Renewable Energy Group, Balmoral Group chairman and managing director, Jim Milne,** said, "Following in the footsteps of Talisman and Fred Olsen is quite an achievement and we are

absolutely delighted to receive this award. The work does not stop here, however. Balmoral Advanced Composites is currently developing systems for use in the wave and tidal power sectors and our work in the wind energy arena continues. The renewables sector is tremendously exciting and we, as part of north-east Scotland's vibrant energy sector, plan to be part of it for a very long time."



**The Best Community Initiative Award sponsored by ScottishPower renewables went to Boyndie Wind Farm Co-operative.** Andrew King, chair of the wind farm co-operative, said, "On behalf of the people of Aberdeenshire and Moray I am delighted that the Boyndie Wind Farm Co-op has won this award. The great thing about this project is that, with a bit of help, any community in Scotland with a wind farm on its doorstep can do the same!"

**Oban-based West Highland Housing Association was honoured with the Best Renewable Project Award** in recognition of its pioneering work in biomass district heating systems and in particular its Glenshellach development of 90 homes.

WHHA chief executive, Lesley McInnes, was on hand to collect the award. "West Highland Housing Association is delighted to receive this award. We know the difference that good affordable heating makes to housing and schemes like this one provide real benefits to tenants and indeed the wider rural economy."

**Napier University's Solar Electricity Generation scheme was recognised with a Highly Commended certificate in the Best Renewable Project Award category, sponsored by E.On Renewables.**

Receiving the commendation, Professor Tariq Muneer said, "Napier has been promoting sustainable energy for the past 40 years. This award by the renewables industry is a most uplifting experience and shall breed further activity in our solar-hydrogen developments."

Europe's largest wind farm came in for an award too. **ScottishPower Renewables**, which is constructing the wind farm, was awarded the **Best Renewable Innovation Award, sponsored by Scottish Enterprise.**

Keith Anderson, director of renewables and major projects at ScottishPower Renewables, said: "We are delighted to receive the Best Renewable Innovation Award for Whitelee Wind Farm in recognition of the tremendous efforts of our team over the past number of years to produce an innovative technical solution that enabled Europe's largest wind farm to proceed".

**The Best New Business Award sponsored by All-Energy was awarded to Argent Energy** which built Europe's largest biofuel refinery at Newarthill near Motherwell.

Jim Walker, vice chairman of Argent Energy, said: "Argent Energy is delighted to have won this award. It rounds off an exciting year which has seen Argent expand our successful commercial partnership with refining, storage and distribution major, Petroplus."

**The Best Environmental Initiative Award sponsored by BRE Scotland was won by Changeworks for its Top of the Tenements project.** "We're delighted with the recognition of this partnership working between Changeworks and the City of Edinburgh Council's planning officers. It's a real success story in the use of green energy in hard-to-treat properties," said Bob Burnham from ChangeWorks.



**Maf Smith, the recently departed Scottish Renewables' chief executive was presented with a Special Award in recognition of his contribution to renewable energy by Dr Richard Yemm.** Maf told ReView that "It was great to see everyone at the Green Energy Awards, and an unexpected pleasure to receive an Award for Exceptional Service to the Scottish



Renewables Industry. My thanks go to all the staff, Board and members of Scottish Renewables for all their support, and making the last four and a half years so rewarding."

**At the awards ceremony, Alan Mortimer, head of renewables policy at ScottishPower Renewables, was recognised for his Outstanding Contribution to the Industry Award sponsored by Highlands & Islands Enterprise.**

"I really am over the moon at winning the award. To be recognised like that from others in the industry is something special and something I'll never forget. This year has been hugely successful for ScottishPower Renewables with the Whitelee consent plus consents at Greenknowes, Beinn an Tuirc extension, Hagshaw extension and Dun Law extension, along with completion of construction at Black Law, Beinn Tharsuinn and Coldham. To top it all we received the Queen's Award. However it hasn't just happened by itself. It is on the back of years of hard work by a dedicated team here specialising in everything from radar to birds to deep peat! So everyone in ScottishPower Renewables can feel part of the recognition, and be proud of our role in pushing forward the renewables industry in Scotland"

Jason Ormiston, acting chief executive at Scottish Renewables stated: "In the year in which Scottish Renewables research has identified that the 2010 renewable electricity target set by the Scottish Executive will be met three years early, many of this year's Green Energy Award winners represent companies and individuals who have

worked to deliver this target.

"Moreover, the breadth of nominations from all sectors of the renewables industry just goes to show how emerging technologies are developing in offshore, marine, solar, heating and transport fuels. It is only fitting therefore that the industry takes time each year to reflect and honour these green energy heroes."



Kevin McCullough, managing director of npower renewables, the Green Energy Awards main sponsor, said: "This event is a true celebration of the dedication and drive of all those involved with the renewable industry across Scotland, and npower renewables is delighted to offer its support.

"With Scotland expected to meet its renewable energy targets early, this is a clear demonstration of the very real contribution renewables can make. Across the UK, Scotland is leading the way in the move towards a more sustainable future. I congratulate all those who have been recognised for their excellent work over the past year. They are an example to us all."

# THE YEAR AHEAD



**DR. RICHARD YEMM**

Chairman of Scottish  
Renewables

## *What do you hope 2007 will bring for renewables in Scotland?*

The past 12 months have certainly been challenging for the industry and that looks set to continue in 2007.

I hope Scottish Renewables and its members make the most of the opportunities presented by the UK Energy Review and elections for both the Scottish Parliament and local councils to push key issues up the political agenda. Scottish Renewables is compiling a 'Renewables Manifesto' which will set out the key policy requirements for the development of the sector over the next four years for both the Scottish Executive and local government. The manifesto will cover issues including the need to speed up determination times and unblock the grid queue - essential for the continued development of onshore wind projects and the deployment of emerging offshore wind and marine energy schemes. On marine, the launch of the Scottish Executive support scheme will help wave and tidal projects make major strides towards commercialisation.

There are also high hopes that the Scottish Biomass Action Plan - a blueprint for the industry - will provide the much needed co-ordinated approach to develop the sector and that strategies for Renewable Heat and Transport will help Scotland play its role in meeting UK targets.

## *Any predictions about which renewables issues or sectors will be making the headlines and why?*

The perennial favourites - planning and grid - are bound to be big issues and I expect the Public Inquiry into the Beaulieu-Denny transmission line will decide that the upgrade is essential for renewable energy development in Scotland. I also predict that 2007 will see the start of development of the first commercial marine projects.

## *Personal resolution?*

Making sure the Scottish Renewables message is effectively communicated to key organisations and decision-makers in the run up to the elections and beyond. Our Annual Conference on 22-23 March will focus on this issue and present a chance for the industry to make the case for a renewable future - I hope that you will be able to attend and join what is sure to be a lively debate.

**ALAN WILSON OBE**

Chief Executive of The  
Scottish Council for  
Development and Industry



## *What do you hope 2007 will bring for renewables in Scotland?*

For many, 2006 has been a year when the impetus to make change in relation to energy matters happen has been visibly ratcheted up a few notches.

This should play straight into the hands of Scotland's renewables industry, which is, I am proud to say, at the forefront of the technological challenge.

The capital and revenue support commitment from the Scottish Executive bode well for at last getting down to the business of developing a marine industry here in Scotland in 2007.

But we must also make sure 2007 is another strong year for onshore wind - the backbone of the renewables industry, as well as pushing to develop a strong biomass industry here in Scotland.

## *Any predictions about which renewables issues or sectors will be making the headlines and why?*

Given the increased capital funding announced for wave and tidal electricity generation projects

by the Scottish Executive, and the revenue support planned in the development of the Marine Supply Obligation, I think it is fair to say the more nascent renewable technologies will continue to attract attention.

There are still critical issues which must be tackled though. The recent problems experienced by Camcal bring home the reality of why the planning system and grid investment are the priorities for this industry. The planning system has been the focus of much attention in 2006 and I would like to see 2007 as the year when the reforms began to be endorsed not simply by MSPs but across Scotland's planning authorities, businesses and communities, providing greater efficiency and more continuity to decision making. The same is true regarding investment in infrastructure to build the capacity needed to develop the industry and meet targets.

## *Personal resolution?*

To reduce my own carbon footprint to a carbon finger print - without going to jail obviously!



## BRIAN NIXON

Director Of Energy At  
Scottish Enterprise

### *What do you hope 2007 will bring for renewables in Scotland?*

I'd like to see the fantastic research and development work being done by many organisations and individuals paying off with the formation of more spin-out companies and for our existing oil and gas sector to keep up their work with diversifying into new areas. We recently set up our Marine Energy Collaboration Fund to help marine renewable device developers reduce costs and improve the

performance of their devices and it's going to be interesting to watch the outcome of that. We'd also like to see far more people and businesses take advantage of the advice and grants on offer and get their own microgeneration schemes.

### *Any predictions about which renewables issues or sectors will be making the headlines and why?*

Wind and wave power schemes generally are bound to make the headlines because there are so many of them out there. ITI Energy is working on an amazing project with huge potential which would see wind and wave devices on hundreds of huge barges moored offshore and I'd expect that will get a lot more attention. The Peterhead hydrogen plans are also bound to remain in the public eye.

### *Personal resolution?*

To keep up the hard work that's going on and bring the Energy Technology Institute to Scotland. More selfishly, to keep my weight down!!

Oh yes, and everyone will realise that nuclear is a daft option.

### *Any predictions about which renewables issues or sectors will be making the headlines and why?*

This will be the year that woody biomass will actually take off, but then I've thought that every year for the last four.

There will be a biofuels backlash when the public realise that they are filling the car up with fuels made from crops grown on cleared rainforest.

The Beatrice turbines will be seized on by both pro and anti-wind groups as a good thing. The Beaully-Denny line will no doubt feature in the press, hopefully we can decide which bits need to go underground without too much shouting.

Zero-carbon housing and business developments will be big news in 2007, including the developing plans for the Glasgow 2014 Commonwealth Games.

### *Personal resolution?*

Persuading my landlord of the PR benefits of letting me install micro-renewables on my house, and that this would be a good idea for the other 350 properties they rent out.



## ANDY ROBERTSON

Chief Executive Officer  
of the National Farmers'  
Union, Scotland

### *What do you hope 2007 will bring for renewables in Scotland?*

2006 has been the year when we began to get serious about exploring the potential opportunities for farmers to get involved in renewable energy production. 2007 must be the year where we stop talking about the opportunities and start making them happen - for the benefit of both the agriculture industry and the environment.

### *Any predictions about which renewables issues or sectors will be making the headlines and why?*

Looking at it from the agriculture perspective two renewables sectors are making the running just now. Firstly the growing of oilseed rape for biodiesel and secondly the use of biomass. That is not to say that others won't come up on the rails - bioethanol from grain, biogas from animal waste, wind and hydro power are all major opportunities for farmers. And I hope that 2007 will be the year that farmers can make a real contribution to community renewable energy projects.

### *Personal resolution?*

Apart from switching off the lights and electrical appliances on stand-by?! It must be to help the agriculture industry get involved not just in renewable energy production but further along the supply chain, to avoid becoming price takers as we are for so much other produce.



## RICHARD DIXON

Director of WWF Scotland

### *What do you hope 2007 will bring for renewables in Scotland?*

2007 will see the first large wave power machine making electricity in Scottish waters, the introduction of tough targets for micro-renewables in new developments and refurbishments, together with a big increase in the SCHRI budget, Edinburgh developing Scotland's first city-wide decentralised energy strategy, the price of carbon really starting to work up to Stern's \$85 a tonne, the Scottish Executive finally managing to make quick decisions on big wind farms and the new-school-build programme going for wood-fired boilers in a big way.

# MARKETING & PLANNING STATISTICS



by Jason Ormiston & Victoria Tracey

This Market & Planning Statistics page is just a flavour of the analysis that Scottish Renewables undertakes on a daily basis on behalf of its members and key stakeholders. In our public area we place our weekly updated Scottish Renewables' Project Summary.

This is the most up to date summary of energy projects in Scotland. The summary is based on a detailed database which we make available to members as a PDF in the members' area of the Scottish Renewables' website.

Earlier this year we conducted extensive research for *Delivering the New Generation of Energy: Route Map to Scotland's Renewable Future*, a look at the progress of the renewables industry in Scotland and its potential for growth out to 2050. This document is also freely available on the public area of the Scottish Renewables' website.

In addition, Scottish Renewables publishes an annual review and preview of the Scottish

wind industry. Using research completed by Scottish Renewables, this is a good scene setter for the coming year as well as a salutary reminder that despite good growth in the wind sector there remains significant risk.

Which brings us to the Scottish Renewables s36 Tracker. This piece of research gives an insight into how long hydro and wind projects are taking in the s36 determination process. Figure two shows, in six month segments, how long projects have taken to be determined, or how long they have had to wait for determination. For projects that are yet to be determined, hydro projects have had to wait on average 19.5 months and wind 25 months. For projects that have been determined, wind takes on average 22 months and hydro 18 months.

[www.scottishrenewables.com/report.asp#Briefings](http://www.scottishrenewables.com/report.asp#Briefings)

Fig 1: ROC Tracker

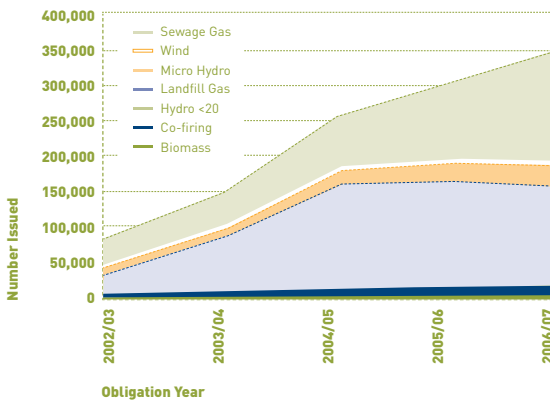


Fig 2: s36 Tracker

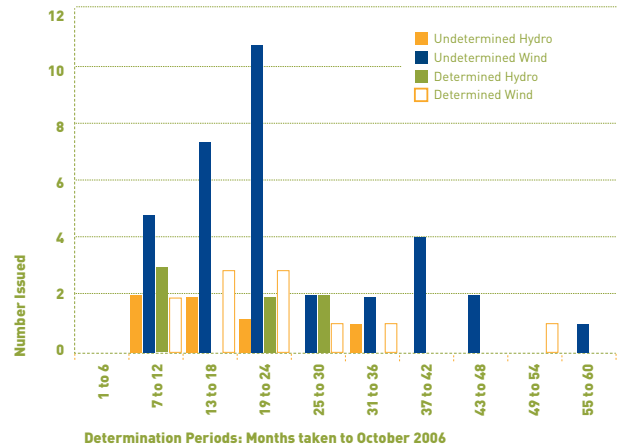


Fig 3: Monthly Installed Energy Capacity in Scotland (2006)

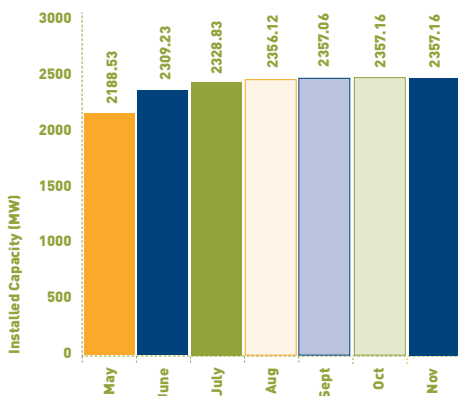
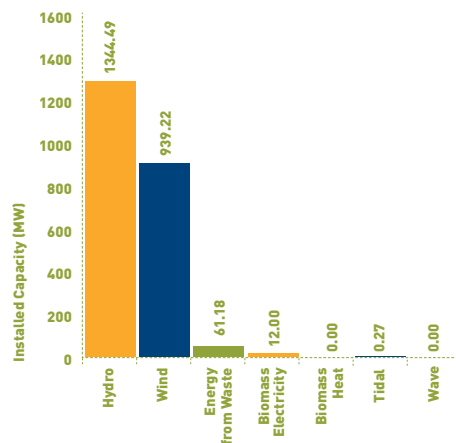


Fig 4: Renewable Energy Installed Capacity in Scotland by Technology (December 2006)



Note: Installed capacity includes electricity generating capacity and the heat equivalent