



Project Fact Sheet



Good practise of Multi-Level Governance

Key Action:	Deliverable from task 3.2
Cluster of	SCOTLAND
Island	WESTRAY
Contact person name:	Terry Hegarty
Contact person email:	terry@scottish.islands.federation.co.uk

Summary

Westray is an island in the Orkney archipelago in the north of Scotland. 60% of the 600 population suffered from Fuel Poverty (having to spend over 10% of their income to heat their homes).

In 1998, concerns about depopulation and declining employment resulted in the establishment of Westray Development Trust. The Trust identified that a wind turbine could generate a viable income, as was being demonstrated by other Scottish communities.

In 2005, the Trust established Westray Renewable Energy Limited to take the work forward and with the help of Community Energy Scotland, they finally identified a company that would sell them a single turbine. In 2009, a new Class 1A 900KW Enercon E-44 turbine was installed.

The trust then set up a non profit company, Westray Energy Action, with the aim of reducing the Westray community's reliance on fossil fuel and a target of 80% reduction of GHG by 2050.



Westray Energy Action successfully worked to inform and help islanders suffering from Fuel Poverty, by carrying out Energy Audits and providing carbon reduction solutions to a number of homes on the island. It was also successful in installing a number of smaller wind turbines (2,5, 5 and 6 kW) to reach its target of 100% renewable energy in 2012.

It also managed to draw down regional development funding to convert a house into a local energy advice centre.

This strategy's success has led to Care4Free, a new company being created to extend the insulation and renewable energy advice to all other islands in the Orkney Council area.

Project's results

Result 1	In 2009, a new Class 1A 900KW Enercon E-44 turbine was installed.
Result 2	Turbine income provides on-going funding for local projects through Feed on Tarrifs.
Result 3	Westray Energy Action carried out an energy audit of 123 houses out of 243.
Result 4	Westray Energy Action enabled 20 houses to switch to heat pumps, loft insulation for 67 houses and internal insulation for 13 houses.
Result 5	Model provided by Westray Energy Action extended to all the Orkney Islands to address fuel poverty through setting up Care4Free Energy cooperative.

Lessons learnt

Lesson 1	Cooperation between the community, the community trust, national energy saving bodies, Energy companies, Energy advice bodies, LEADER, the Orkney Citizen Advice and the Orkney council was key to the success of this complex, multi-phased project and its implementation.
Lesson 2	Local support was crucial. There was not one objection to the turbine, even though not everyone liked it, because residents perceived the project to be equitable, Many islanders volunteered their time and efforts to ensure the project was carried out to fruition. But sustaining that kind of effort over a long period is very difficult.
Lesson 3	The complexity of funding schemes made it home insulation very difficult to carry out, key to the success was to have one trusted point of contact with all the knowledge. However, participation is still difficult to achieve despite 100% funding,
Lesson 4	With regard to its community turbine, Westray signed a 10 year flexible power purchase agreement with SmartestEnergy, the leading buyer of independently



<p>generated electricity in the UK and a provider of power purchase agreements and Feed-in-Tariffs. "Because electricity is a commodity within a dynamic marketplace, the price can vary quite a lot; so a generator benefits the most from fixing a price when the market is high when it can get a better return. With this contract Westray has the flexibility of when to choose to fix its prices" explained SmartestEnergy.</p>



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