

Renewable Heat Market Development

The Role of the Energy Saving Trust

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The Energy Saving Trust

EST Background

- Non-profit company, set up by the Government after the 1992 Rio Earth Summit, charged with helping meet the UK's Kyoto targets
- One of UK's leading organisations fighting climate change
- Deliver practical solutions for households, small firms and the road transport sector
- Vision is “A world where sustainable energy is the choice for all individuals and organisations”.
- Mission to inform and transform. To turn good intentions into effective actions

EST Support

EST supports renewable activities through 4 core activities:

- Raising Awareness - Homes Energy Efficiency Best Practice programme, Marketing, Website
- Advice - Renewable Energy Advice Service, Energy Efficiency Advice Centres, Sustainable Energy Centres
- Accreditation - Installers, Products
- Grants - Community Energy programme, Photovoltaic programme, Innovation Programme, Scottish Community and Household Renewables Initiative.

EST also supports Local Authorities through our transport activities

More details on all of these on www.est.org.uk

Innovation Programme

- Key Objectives
 - Achieve carbon emission reductions
 - Demonstrate viability of innovative approaches to carbon reduction
- Who can apply?
 - Must have LA or housing association as active partner
 - Voluntary sector (Community groups, NGOs)
 - Other public sector (energy agency, EEACs, LASPs...)
 - Private sector (equipment suppliers, installers or consultants)
- www.practicalhelp.org.uk/innovation



Scottish Community & Household Renewables Initiative (SCHRI)

- Community Stream
 - Project support and guidance
 - Technical grants up to £10k
 - Capital grants up to £100k – no fixed %
- Household Stream
 - Information and advice
 - Capital grants 30% up to £4k
 - » Micro-hydro
 - » Micro wind
 - » Solar water and space heating
 - » Ground Source Heat Pumps
 - » Automated wood fuel heating systems
- www.est.co.uk/SCHRI



SCHRI: Practical Support

Research Grants

- Braemar Community Council (£6,500)
- Borders Forest Trust (10,000)

Household Stream

- 4 wood pellet systems installed

Community Stream

- Edinburgh City Council
 - » Grant of £12,500 (50%)
 - » Upgrade a 360kW biomass boiler in a works depot



Community Energy

Development

- £2 million dedicated fund
- Up to 50% support
- Covering option appraisal, business plan, tendering

Capital

- £48 million capital support – allocated by March 2005 and spent by March 2007
- Up to 40% support available



Programme Objectives

- Focus on Public Sector
- Environmental benefits
 - Carbon savings
- Social benefits
 - Cost savings for households
- Economic benefits
 - Cost savings for public services



Community Energy: Capital Funding

- **44 capital schemes, £27.2m of support, £78m investment**
- Competitive bidding (75% success)
- Annual carbon savings 19,000 tonnes
- 90% of schemes with CHP, a total of 47MWe capacity
- 25% with alternative fuels (energy from waste, waste heat, AD, woodchip)
- 37,000 people benefiting



Community Energy

- To date 12 schemes include renewables
- This represents 27% of total schemes (44)
 - 1 utilising Geothermal heat (Southampton CC)
 - 6 utilising Biomass (Llanwddyn, Leicester CC, Buckinghamshire CC, Family HA, Ceridigian CC, Barnsley MBC)
 - 5 utilising Energy from Waste (Shetland Islands (2 schemes), Hjaltland HA, Kirklees MBC (2 schemes))



Family Housing Association



Development of new heat network fired by wood pellets, serving 14 homes for the elderly and disabled in South Wales.

Community Energy Grant: £35,000
Annual carbon saving: 12 tonnes





Buckinghamshire County Council



A renewable demonstration project, open to the public - a new heat network using wood pellets from sawmill waste to heat an Environmental Education Centre.

Community Energy Grant: £13,991

Annual carbon saving: 13 tonnes



“These are environmentally sustainable schemes which make the most of natural resources to cut pollution and contribute to a better quality of life.”

Lord Whitty, Minister for the Environment

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Leicester City Council Biomass

The Idea:

- Largest renewables project in centre of any city in the UK
- Existing heat network to link 4 housing estates, Leicester University & 16 Council owned buildings



Community Energy Grant: £5.1 million

Annual carbon saving: 4,800 tonnes

Total Cost Savings: £4.3 million
(Domestic & Pub Sector)

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Shetland Islands Council Energy from Waste



Expansion of a heat network using a Waste to Energy plant to supply homes, schools, a museum and other public buildings.

Community Energy Grant: £500,000

Annual carbon saving: 981 tonnes

Public sector cost saving: £150,000

Residential fuel bill saving: £22,000

“With Local Authorities having to meet HECA obligations by 2007 and landfill reductions by 2006, district heating should have a large role in helping achieve those targets.”

Cllr William N Stove, Chairman, Shetland Heat, Energy & Power Ltd



Community Energy: What next?

- £900,000 development support to allocate
- £20.8m capital to allocate
- 3 more capital bidding rounds. Last round in Jan 2005.
- Spend by end February 2007 - recent extension granted by HM Treasury

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Community Energy

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