

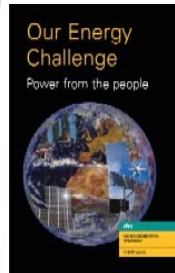
Low Carbon Buildings Programme



Paul Rochester



Origin



- Developed in response to Renewables Innovation Review.
- Supersedes PV MDP & ClearSkies.
- Forms part of the DTI's Microgeneration Strategy.
- Administered on behalf of the DTI by the Energy Saving Trust



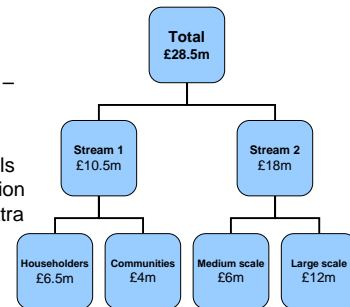
Aims of the programme

- Reduce carbon emissions from buildings by combining energy efficiency measures and microgeneration products
- Demonstrate on a wide scale emerging microgeneration technologies
- Measure trends in costs of microgeneration technologies
- Raise awareness by linking demonstration with wider programme of activities



Funding Available

- £28.5m to provide grants for microgeneration technologies (2006 – 2009).
- DTI to publish details (following consultation with industry) on extra £50m.
- Additional £5m for Stream 2 (EE advice, support & dissemination)



Timetable

Funding stream	Launch date	Spend deadline
St1 householders	May 06	March 2010
St1 communities	June 06	March 2010
St2 medium scale	July 06	March 2010
St2 large scale	September 06	March 2010



Technologies

Electricity



Photovoltaic (PV) Wind turbine Hydro

CHP



Fuels Cell Stirling Engine

Heat



Heat pump Biomass SWH



Renewable CHP



Stream 1 (Individuals) - Level of grants

Electricity

Max. £15k (Photovoltaic (PV)) Max. £5k (Wind turbine, Hydro)

Heat

Max. £1.2k (Heat pump) Max. £0.6 - 1.5k (Biomass) Max. £0.4k (SWH)

CHP

Fuel cell engine **To be defined**

Renewable CHP

Stream 1 (Communities) - Level of grants

Electricity

Photovoltaic **Grant = Max. £30k or 50% of total costs** (Wind turbine, Hydro) Fuel cell engine

Heat

Heat pump Biomass SWH Renewable CHP

Stream 2 - Level of grants

Electricity

Photovoltaic Wind turbine Hydro

Heat

Heat pump Biomass SWH

CHP

Fuel cell engine Renewable CHP

• medium scale – £0 < £100k, new-build & retrofit
 • large scale – £0 < £1m, new-build & major refurb.
 • Grants = 40-50% of total costs (State Aid)

Funding processes

Funding stream	Process
Stream 1 – householders	1 st come 1 st served Technology blind 2-page application form
Stream 1 – communities	1 st come 1 st served Targets grass roots communities No State Aid clearance
Stream 2 – medium scale	Competitive call for proposals every quarter Independently assessed All sectors and all building types welcomed
Stream 2 – large scale	Competitive call for proposals 2-stage application process (building, then technical assessment) All sectors and building types welcomed Carbon Trust support for successful applicant

Energy Efficiency Measures

- Condition of the microgeneration grant is a number of energy efficiency measures are already installed, where practicable for the householder:
 - loft insulation
 - cavity wall insulation,
 - low energy light bulbs
 - heating system controls
 - Recommendation for home energy check

**HOME ENERGY CHECK
GET YOUR OWN REPORT**

The same premise will be used for all other funding streams

Accreditation of installers & products

- Installations must be carried out by an accredited installer
- Only approved products will be grant funded
- Interim scheme:**
 - details of accredited installers available on existing schemes' websites, incl. LCBP
 - fuel cells, microCHP & renewable CHP not funded currently
- New accreditation scheme:**
 - Will cover certification of products incl. performance criteria; accreditation of services; setting up an installer code of conduct
 - fuel cells, microCHP & renewable CHP and other emerging products will be funded after appropriate standards have been developed

Information

Fact sheets on each technology
Buyers guides to be developed
Technical guides for larger-scale installations
Programme statistics online
Industry extranet

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