

Dorset Low Carbon Economy Programme

*‘Supporting growth in Dorset’s low
carbon economy’*

DA21

27th January 2018

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Aims

Stimulate growth in Dorset Low Carbon Economy.

ERDF funded programme

Overall Aims

- Accelerate deployment of low carbon technologies
- Stimulate and Demonstrate Innovation
- Support range of projects, and approaches
- Support biomass technologies as a key sector in Dorset

Not just a grant programme

Programme Overview: Dorset Low Carbon Economy Programme

Total Budget – £6.44m (50% ERDF funding - £3.22m)

Programme Coordination
Management & Control
Communications
Financial management
Administration support

Management Team



2.5 FTE

Key



= Project Staff

Low Carbon Economy Fund

£2.15 m (up to 40% intervention rate)

Delivery Team



3.2 FTE

Strand

Community Energy Leadership

Technical Support to deliver community energy projects at a community level, focusing on renewable energy

Public sector Leadership & Demonstration

Technical support to deliver innovative demonstration projects on public sector buildings to stimulate wider take up of low carbon technology

Business Sector Leadership & Brokerage

Technical support and diagnostic for enterprises to realise energy efficiency & renewable energy opportunities, deliver projects and develop new low carbon products

Cross-cutting sector support

Biomass sector support

Support to grow Dorset's biomass sector by stimulating demand & strengthening supply chains

Investment Priority

4a – Promote energy from Renewable sources

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4C – Smart energy management, Energy Efficiency and Renewable energy in public sector & housing

4a – Promote energy from Renewable sources

4b – Promote energy efficiency & renewables in enterprises

4f – Promote research & innovation in adoption of Low Carbon technology

What is on offer

- Free workshops
- Free networking events
- Free Technical support
 - Identify options
 - Hand hold through development and implementation
 - Support funding application
- Grant Funding - Low Carbon Economy Fund
- Case Studies and demonstration projects



Low Carbon Grant Fund

- Grant Hand book / process
- Grants available
 - 40% eligible total project costs
- Could cover
 - Contractors/consultants, equipment, installation
- Types of project
 - RE and/or Energy Efficiency projects
 - SME projects
 - Community Led – Community scale
 - Public Sector projects



RE Technologies of Interest

- Biomass especially district heating. RHI can be received if grants pay for heating network and other non-boiler aspects.
- PV. Grant funding precludes FIT registration but FITs are dropping away and capital funding may be preferable in some circumstances.
- Anaerobic digestion. Dorset has considerable experience of AD that could be built on.
- Small scale Wind power.



More RE Technologies

- Heat Pumps. Improving COPs and reducing carbon density of mains electricity make Heat Pumps a good bet as a technology. Combining them with low carbon microgeneration is a win win.
- Image with permission of Daikin



Energy Efficiency

Technologies of Interest

- LED Lighting. This has now reached the point where all buildings should be fitted with LEDs. LEDs are making a major contribution to reducing demand for electricity.
- Ambient cooling. 'Traditional' air conditioning throws kWh at a problem frequently for no good reason. Increasing of cooling and AC make energy efficient cooling technologies hugely important.
- Image by permission of Air-Site



More Energy Efficiency Technologies

- Destratification fans reduce the energy wasted heating roof spaces and lower demand.
- Storage. As more people generate their own electricity and the smart grid begins to change the way we pay for electricity storage will become more and more important.
- Smart TRVs with occupancy sensors. Very flexible and inexpensive technology especially good for hotels community centres etc.
- Image by permission of Airius

**SAVE ENERGY,
CUT COSTS,
IMPROVE COMFORT,
REDUCE CARBON**

Save 20-50% on heating
& cooling costs with
Airius - **The world leaders
in Destratification
technology**



Innovation and holistic assessment

- The Project seeks to support innovation especially when funding work by Public Sector organisations and Communities.
- “Innovation” can be interpreted in various ways.
- SMEs and other recipients are encouraged to look at their energy use holistically and to try to install a package of complimentary measures.

Questions

