## Dorset Low Carbon Economy Programme

'Supporting growth in Dorset's low carbon economy

DA21 27<sup>th</sup> 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

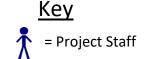
Not just a grant programme

### 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





#### Low Carbon Economy Fund **£2.15 m** (up to 40% intervention rate)

Delivery Team

† † † 3.2 FTE

#### **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

Strand

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

**Biomass sector support** 

**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

Investment Priority

### 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 electricty 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.

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

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



- 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

# 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

