

# Dorset Low Carbon Economy Programme

*'Supporting growth in Dorset's low  
carbon economy'*

DA21

27<sup>th</sup> January 2018

Dr Erik Blakeley

Energy Efficiency Technical Officer



# 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

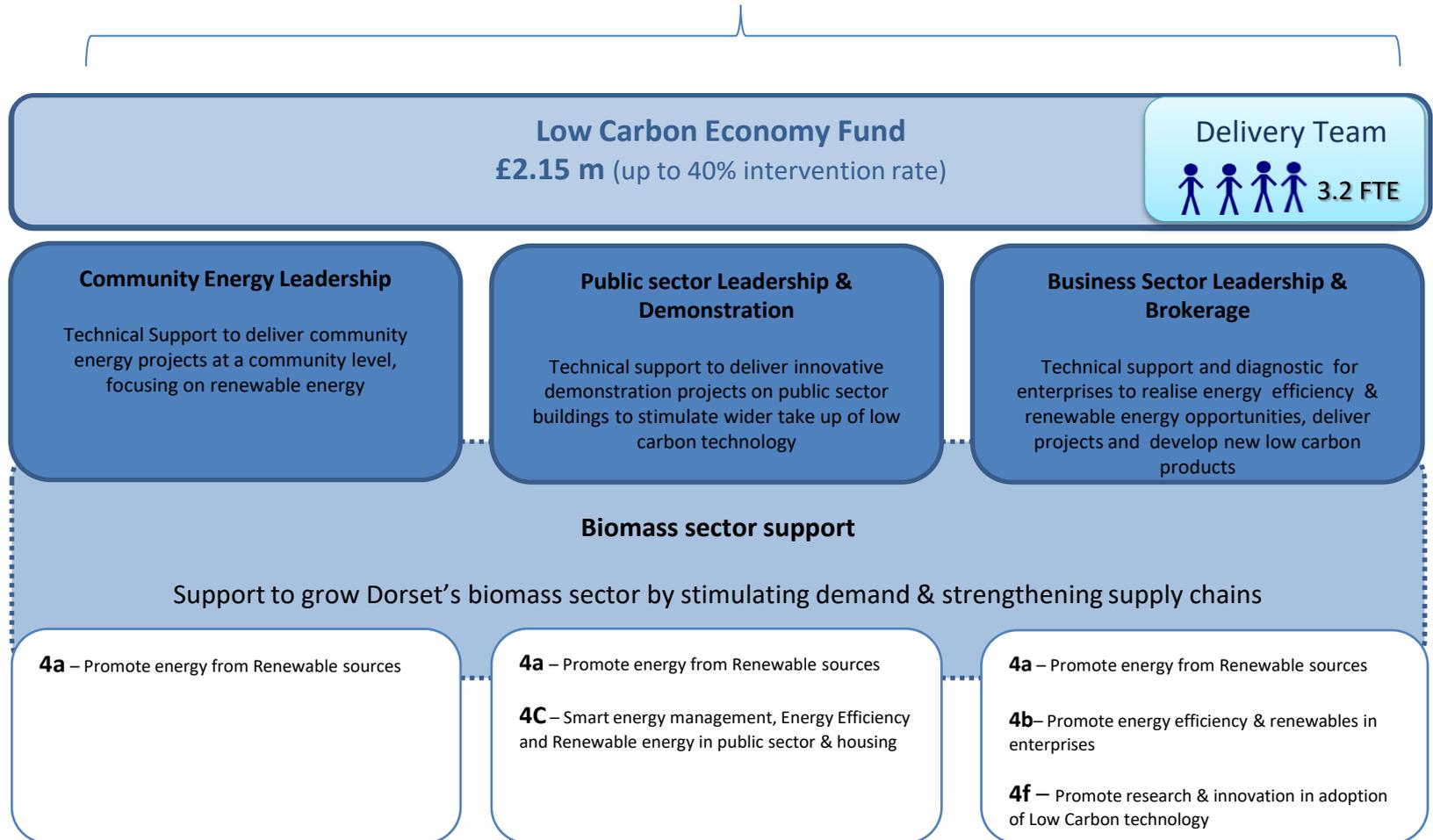
Total Budget – £6.44m (50% ERDF funding - £3.22m )

Programme Coordination  
Management & Control  
Communications  
Financial management  
Administration support

Management Team  2.5 FTE

## Key

 = Project Staff



# 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

