



PlanLoCaL: Energy efficiency & community Green Deal



Planning for Low Carbon Living



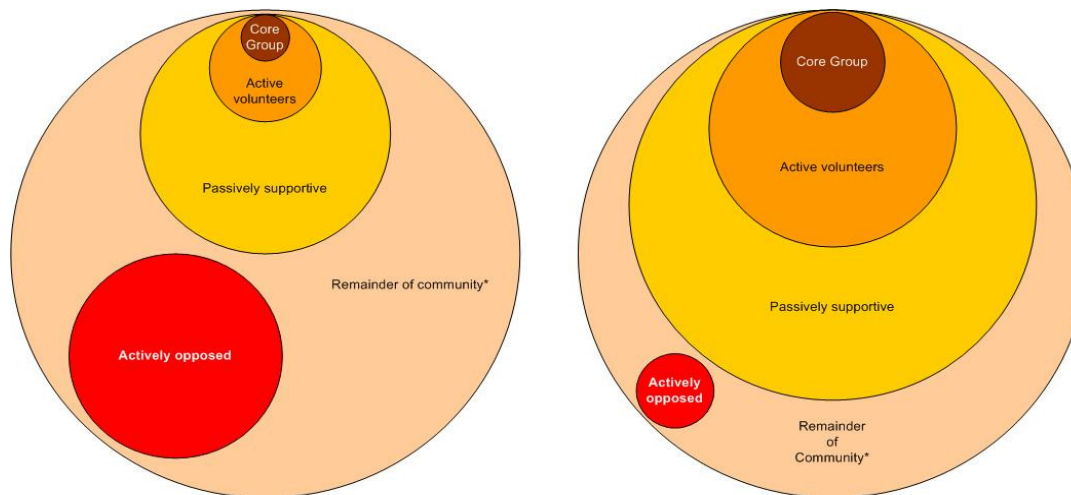
PlanLoCaL is a suite of materials including films, resource packs and website to support communities and groups that are 'planning for low carbon living'.

www.planlocal.org.uk

PlanLoCaL approach



- Community led action
- Collective decision making
- EDD not DAD!

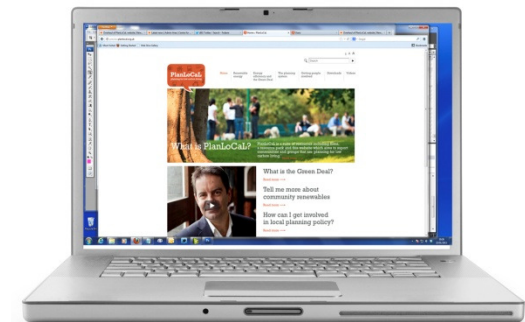
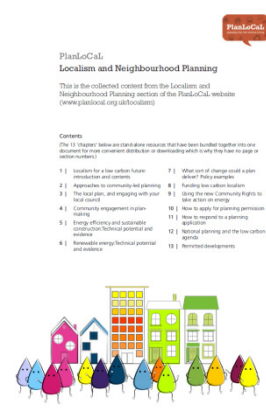


- Using policy tools for low carbon development

Planning for Low Carbon Living



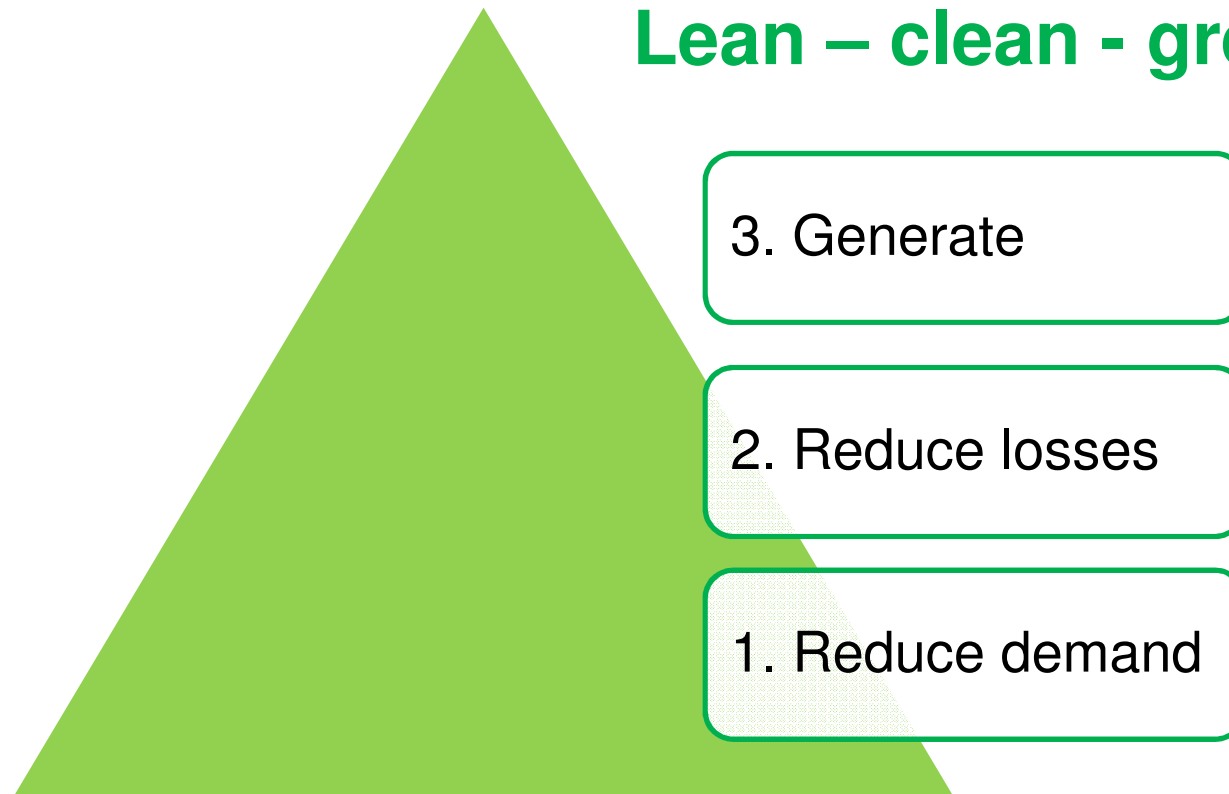
- Devised and delivered by CSE with funding from CLG, DECC and Joseph Rowntree Foundation Trust
- 3 streams:
 - Community renewables
 - Energy efficiency and community green deal
 - Localism and neighbourhood planning



The energy hierarchy



Lean – clean - green



alternatively...



1. Generate energy and engage community

2. Reinvest income; improve energy efficiency and reduce wasted energy

3. Wider impacts from raised awareness and engagement lead to reduced demand



WHAT'S IN THE ENERGY EFFICIENCY AND GREEN DEAL TOOLKIT?

Energy efficiency & community Green Deal



Resources: films, template presentations, workshops, exercises, guidance notes, information sheets



Topics: energy efficiency options, Green Deal, project planning, community engagement, funding and finances



Uses: information for members of the public; guidance to improve understanding; help with project planning



PlanLoCaL

planning for low-carbon living

Energy efficiency and the Green Deal
A resource pack to help communities



Improving the energy performance of community buildings

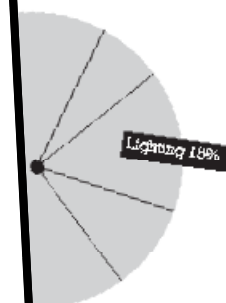
Energy performance buildings

to the issues surrounding energy use in community buildings. (available from www.cse.org.uk/resources) It will be energy efficiency of community buildings, such as schools, energy bills and cutting carbon emissions, if your comfortable to use, more people will want to use it - something

use energy and controls can make a big impact on buildings might include insulation and draught energy efficient lighting, fitting heating controls, putting efficient means of heating water.

related to energy efficiency in community buildings, energy audit, and provide some guidance on possible

building will depend on a range of factors such as and the heating systems and appliances that are for the vast majority of energy use, as shown you are looking at ways to increase energy to have a far bigger impact than changes



continued...

PlanLoCaL | www.planlocal.org.uk | January 2015

Sustainable Energy | home energy advice | 2013

Warm and efficient



Warm Underfloor heating

The manifolds distribute water at temperatures of 35-60°C which in turn heats the floor to a comfortable constant between 18-25°C. When the room reaches a pre-set temperature the thermostat signals to a valve on the manifold to close the circuit in that room.

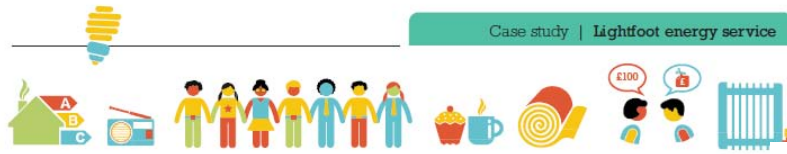
There are three main types of wet underfloor heating.

1) Solid floors
This is the common choice for new build properties. The underfloor heating is permanent as it is built into concrete or screed floors. Insulation is laid first, with the pipes then put down in a specific pattern before the concrete or screed is poured. Many types of floor finish can then be overlaid including wood, stone, tiles, vinyl or carpet, though careful consideration is needed to ensure it will not be affected by the heat and/or will not insulate against it.

2) Suspended floors
The heating system is inserted between the joists or battens in the suspended floor, with suitable insulation below. The casing usually consists of a tongue and groove floor board to allow a range of floor coverings to be fitted, with the same considerations as above.

3) Floating floors
This is the quickest type of underfloor heating to install as there is no requirement for screed or concrete to set. This system can also be used above an existing solid or wooden floor and so is ideal for retrofitting. However,

cont ▶



Case study | **Lightfoot energy service**

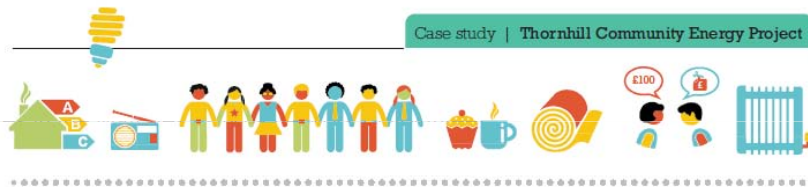
Who?

Lightfoot Energy Service

What did they do?

Home energy auditing

Lightfoot Energy is a Community Interest Company based in Bishops Castle, Shropshire. It uses energy and identifies opportunities for achieving this is by setting up to provide independent energy assessors for buildings and businesses.



Case study | **Thornhill Community Energy Project**

Who?

Thornhill Community Energy Project

What did they do?

Community energy champions

In April 2001, the Government awarded £48.7 million through the New Deal for Communities programme to regenerate the Thornhill area of Southampton. The 10-year programme was managed by a partnership of the local community, city council, business, police and health service known as **Thornhill Plus You (TPY)**. At the end of this period, TPY became Plus You Limited, a registered charity with a mission to continue the regeneration of Thornhill.



Case study | **Barcombe Energy Group**

Who?

Barcombe Energy Group

What did they do?

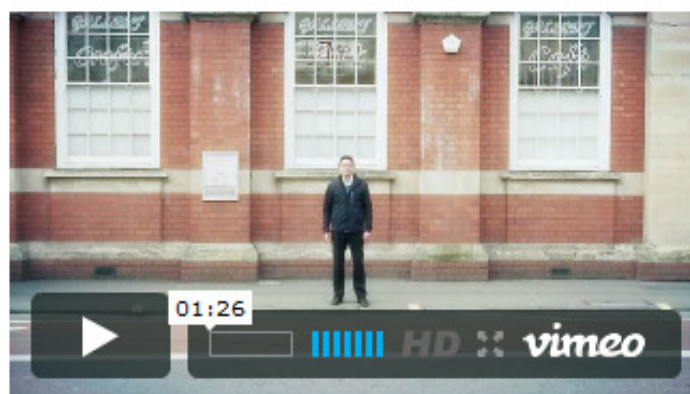
Improve energy efficiency

Barcombe Energy Group was formed by a group of local residents to improve the village more sustainable and a village in rural Sussex with a third of which were built before 1920. The group is focusing on energy efficiency types which are typical of villages in the area. The houses are connected to the mains gas network and have oil for heating systems.

[Home](#)[Renewable energy](#)[Energy efficiency and the Green Deal](#)[Localism and neighbourhood planning](#)[Getting people involved](#)[Downloads](#)[Videos](#)

What is PlanLoCaL?

PlanLoCaL is a suite of resources including films, a resource pack and this website which aims to support communities and groups that are 'planning for low carbon living.'



In this video chief executive Simon Roberts explains why we've developed the PlanLoCaL programme and how to use this website.

What is the Green Deal?

[Read more —>](#)

Tell me more about community renewables

[Read more —>](#)

How can I get involved in local planning policy?

[Read more —>](#)

[Home](#)[Renewable energy](#)[Energy efficiency and the Green Deal](#)[Localism and neighbourhood planning](#)[Getting people involved](#)[Downloads](#)[Videos](#)

Energy efficiency improvements

[Insulation](#)[Heating](#)[Renewable energy technologies](#)

The Green Deal and ECO explained

Identifying opportunities in your community

[Measuring community energy use](#)[Project planning](#)[Funding and finances](#)[Examples and case studies](#)

[Home](#) » [Energy efficiency and the Green Deal](#) » Identifying opportunities in your community

Identifying opportunities in your community








All areas are different. Your neighbourhood will have a unique mix of housing types, groups of people and local characteristics. Because different energy efficiency improvements (or combinations of improvements) are more appropriate in different circumstances, understanding your area is an important part of identifying opportunities in your community.

There are resources in PlanLoCaL which have been designed to help you understand the profile of your area and the potential for energy efficiency improvements. We have included guidance and activities on how to assess your local area and decide on the most suitable improvements.

Films, downloads and links

Downloads

-  [Understanding your local area](#)
-  [Understanding your local area: walk around exercise](#)
-  [Opportunities for whole street retrofit: exercise](#)
-  [Improving the energy performance of community buildings](#)
-  [Considerations for heritage and listed buildings](#)
-  [Engaging employers in your area](#)
-  [Potential roles for community groups in Green Deal promotion](#)
-  [Potential roles for community groups in Green Deal assessment](#)
-  [Potential roles for community groups in Green Deal provision](#)
-  [Workshop: practical ways for your group to engage with the Green Deal](#)

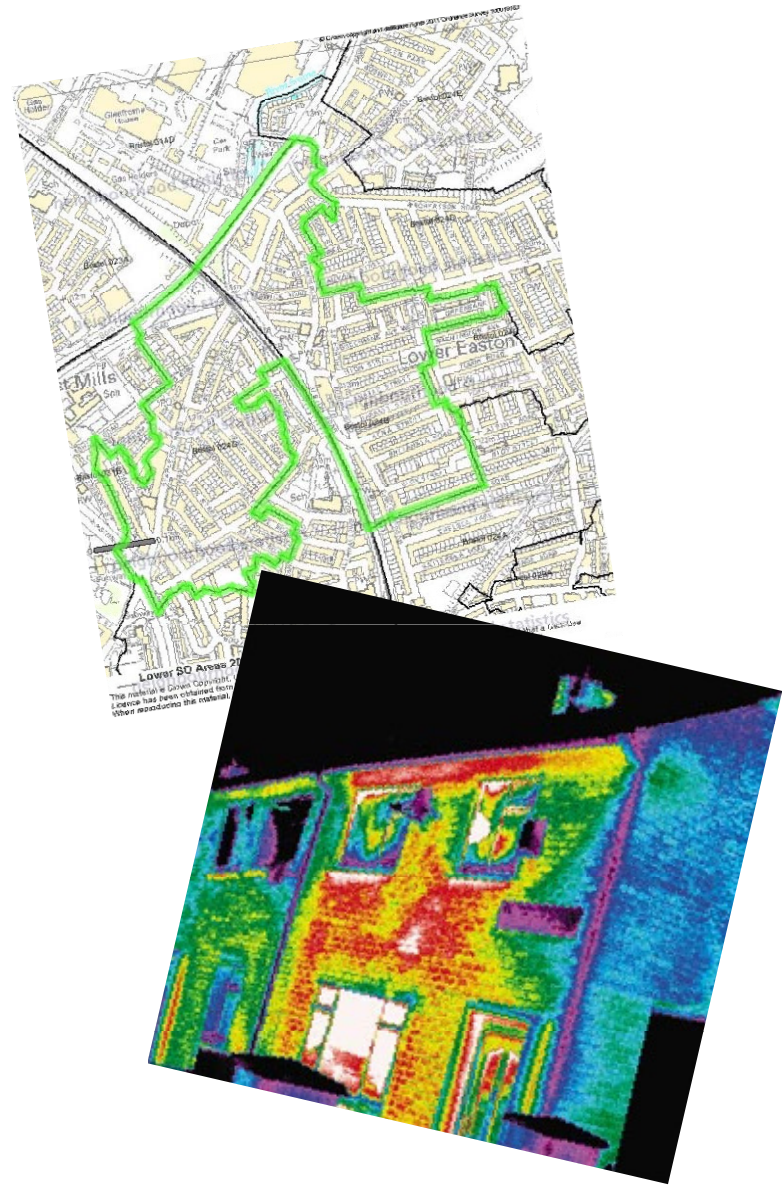


Energy efficiency projects

- Take into account your resources and capacity
- Be clear about your aims
- Get people involved, make it accessible
- Communicate and plan well
- Have fun!

Project ideas

- Energy auditing
- Street energy advisers
- Loft clearance
- Low energy lighting
- Home visits
- Community buildings
- Thermal imaging



Project ideas

- Bulk buy schemes
- Draughtbusting
- School workshops
- Neighbourhood planning
- Woodfuel project
- Energy champions
- Local installer network



Project ideas

- Local events
- Pop-up energy cafe
- Empty shop displays
- Pedal powered smoothies
- Lighting displays
- Give aways
- Insulation demonstrations
- Local talks or visits



Project ideas

- DIY solar workshops
- Energy training or visits
- Fuel switching
- Solar schools
- Switch off campaign
- Green fair
- Whole street retrofit



More ideas and resources

- PlanLoCaL
- Community Pathways website
- Energy agencies
- CEPF
- DECC
- EST
- Transition groups





Any questions?
communities@cse.org.uk