

Community Energy Projects in a Box

Community building energy efficiency audit

Summary

This project in a box guides you through the process of preparing for and carrying out an energy audit in a community building, including writing up a report and action planning to implement improvements. The guidance will help you to assess current energy use in the building, using a checklist to carry out a walkaround audit, and as a result identify a range of improvements to cut carbon emissions and reduce running costs. A template report is included to present findings back to building managers, and information on potential sources of funding is provided.

Box contents

Guidance: instructions on running the project; training video; resources on improving energy efficiency of a community building; details of how to fund energy efficiency improvements; template report and action plan.

Resources: OWL energy monitor; single appliance monitor; thermometer; clipboard and pen; walkaround survey pro forma; USB containing electronic copies of all guidance materials; case studies.

Promotional materials: Poster.

Evaluation support: Guidance on monitoring and evaluation; feedback forms.

Outcomes and impact

The resources will help you to understand what is involved in a building assessment, provide you with templates to help identify energy saving improvements, and give you the tools to carry out effective monitoring and evaluation of the building.

You will work with a specific building (or more than one building), and produce an audit for that building (including a set of recommendations). The project is an opportunity to engage the community of building users with energy saving and improvements which can be made in their own homes.

By following the project through and instigating behavioural changes in energy use within the building, or installing low carbon improvements to the fabric of the building, you will reduce carbon emissions and building running costs. Monitoring equipment and guidance provided in the box can be used to revisit the building and assess the reduction in energy use.