



KBCDA Sustainable Energy Community

Action Renewables and Kilanerin Ballyfad Community Development Association



Overview



- Introduction to Action Renewables
- Sustainable Energy Communities (SEC)
- The project
 - Aims and objectives
 - Working with the community/ what is involved
- Energy Efficiency Savings
- SEAI example: Better Energy Communities Grant



- Action Renewables was formed in 2003 to provide advice and guidance on renewable energy
- Action Renewables work alongside a wide range of organisations including education establishments, community groups, local government and non-governmental organisations from multiple countries

‘Advance to the benefit of the public, the protection and improvement of the environment, through the promotion of energy efficiency and renewable energy’

‘Advance the education of the public in energy efficiency and renewable energy’

‘Improve the quality and standards of renewable energy provision, by promoting quality assurance schemes and delivering quality assurance services’



Sustainable Energy Communities (SECs)

- The Sustainable Energy Authority Ireland (SEAI) is Ireland's national sustainable energy authority
- SEAI established the SEC network
- The SEC network involves over 230 communities around Ireland who are interested in community energy
- SECs connect:
 - sustainable energy
 - local economic development
 - public wellbeing



Sustainable Energy Communities (SECs)

SEAI's community activities are designed to help people to become more informed, enabled and in control of their own low carbon future. Our community energy network has more than 230 member communities across the country. We help them to create their own plan for a low carbon future for their community, and provide support for the capital projects within this plan. This most recent tranche of Government of Ireland funding supports those communities who have identified the priority projects to help them save money and play their part in tackling climate change.

Jim Gannon, SEAI, CEO

- Our objectives are focused on developing:
 - An Energy Master Plan (EMP)
 - A Register of Opportunities (RoO)
- This means that we will be understanding how the local area can reduce their energy and waste consumption and move towards becoming leaders in sustainability



What will this involve within the community?

Two elements of community involvement:

- Household survey
- Energy audits



Household Survey

- Household Survey covers 5 topics:
 - Electricity
 - Heating
 - Living space
 - Transport
 - Waste
- The survey is available from our team this evening
- Available online and in paper format
- Approx. 5-10 minutes to complete



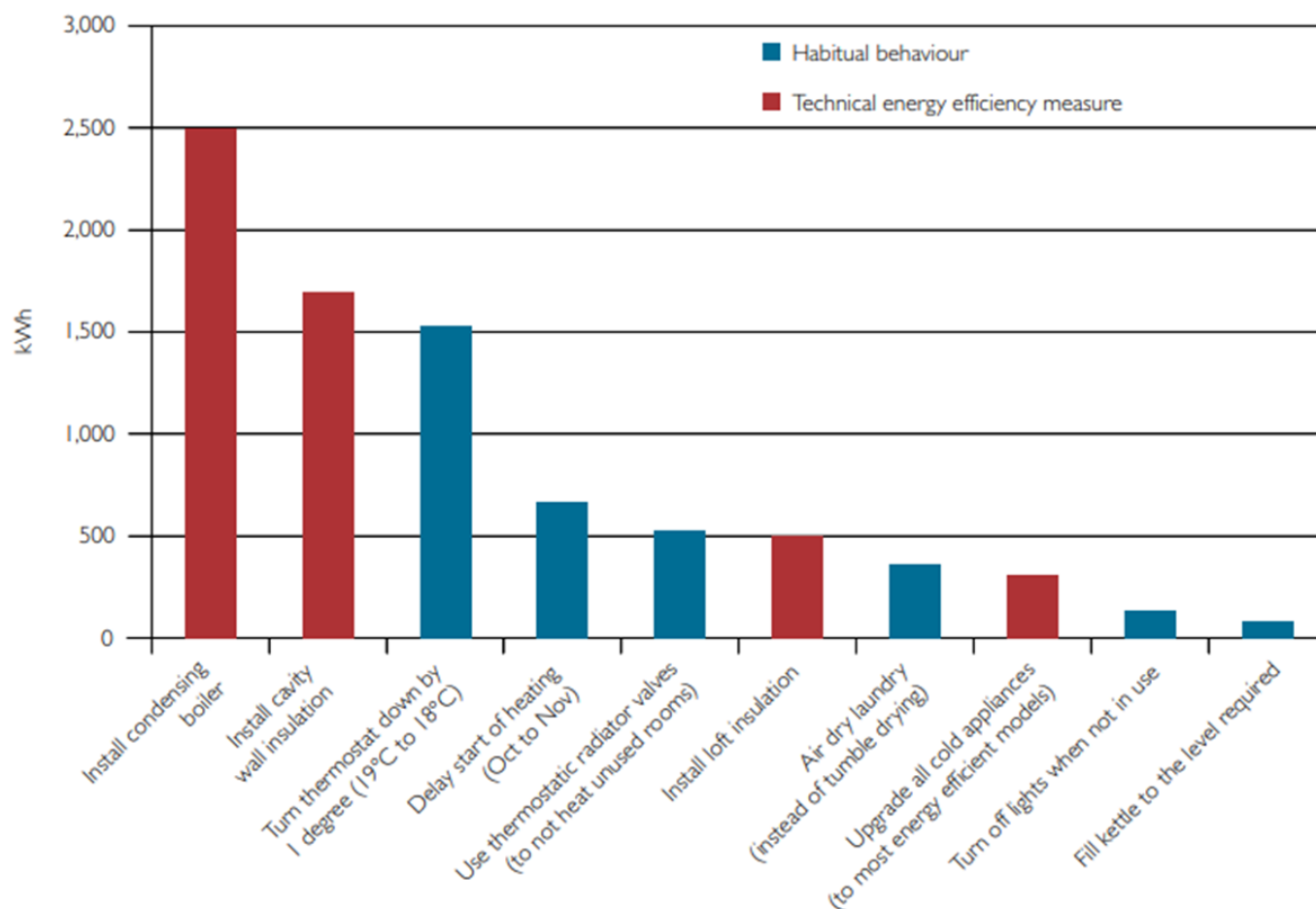
Why complete the survey and get involved?

- Potential to identify individual households for inclusion in funding
- Identify cost savings and reduce bills
- Reduce environmental impact
 - Reducing CO₂ emissions associated with transport and energy
- Reduce reliance on fossil fuels
 - Helping reach national targets



Energy Efficiency in homes

Energy saved for a typical home through adopting physical and behavioural energy efficiency measures:



Source: Domestic Energy Behaviours Framework, National Energy Efficiency Data framework (BEIS, 2018)

- Also be completing energy audits, building a more holistic picture of energy consumption in the community:
 - schools
 - farms
 - community centres
- Energy audits will focus on:
 - total energy consumption (kWh)
 - current energy sources
 - energy costs
 - existing energy management techniques, if any
 - Identify energy efficiency + renewable energy opportunities, cost savings and funding



What will we do with the information collected?

- Use data collected from survey and energy audits to compile a report and register of opportunities

Survey

- analysis of current energy and waste consumption
- identify energy efficiency, renewable energy opportunities, potential funding and cost savings

Energy audits

- analysis of current energy and waste consumption
- identify energy efficiency, renewable energy opportunities from analysis, potential funding and cost savings



Examples of eligible energy upgrades

- Technological improvements – e.g. boiler replacements
- Fabric upgrades – e.g. wall insulation
- Renewable energy – e.g. wind turbine, biomass plants and solar PV
- Smart metering
- EV chargers
- Heat recovery solutions



The Better Energy Community Roscommon Rural Project

- The project involved carrying out energy efficiency upgrades to four public buildings, three commercial buildings and 19 homes within the community.
- 33% was the total energy savings estimated for the project.
- SEAI funded just under half a million euro for this community project.

We appreciate everyone's contribution to this project. We look forward to working with the community over the coming months.

Thank you!

Bernadette Convery
Senior Project Manager
Action Renewables
bernadette.convery@actionrenewables.co.uk
Telephone: 01 695 0743
<https://actionrenewables.co.uk/>

Karen Finigan
Community Representative
KBCDA
karenfinigan@hotmail.com
Telephone: 083 878 2718

