



Administered by



Better Energy Communities

PROJECT ACHIEVEMENTS

Supporting Energy Efficiency, Enterprise and Jobs

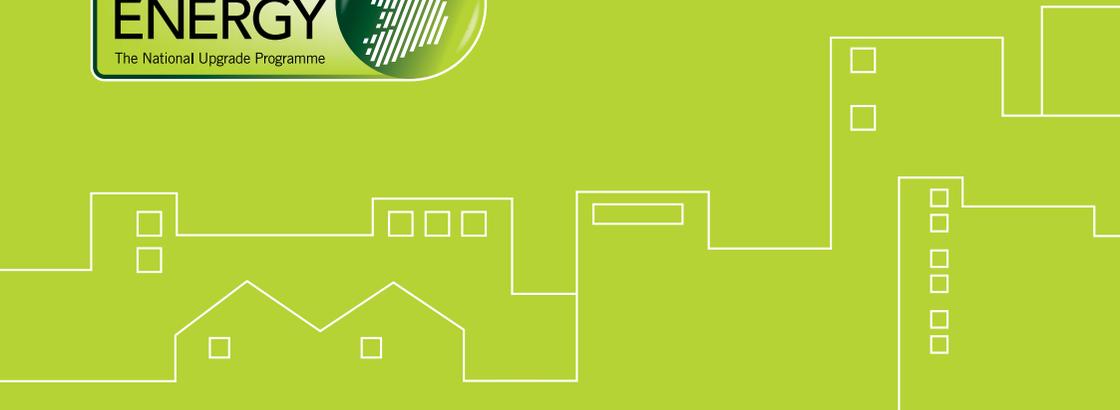


Better Energy Communities: What is it?

Better Energy Communities is part of a Government funded programme which aims to retrofit Ireland's buildings to high standards of energy efficiency, thereby reducing fossil fuel use, running costs and greenhouse gas emissions.

Administered by Sustainable Energy Authority of Ireland (SEAI), it encourages private, public and community organisations to work together in delivering energy upgrades to local areas. The total available funding for 2015 under this scheme is €14.2m.

To date a wide variety of buildings and 8,800 homes have been upgraded through the Better Energy Communities programme.

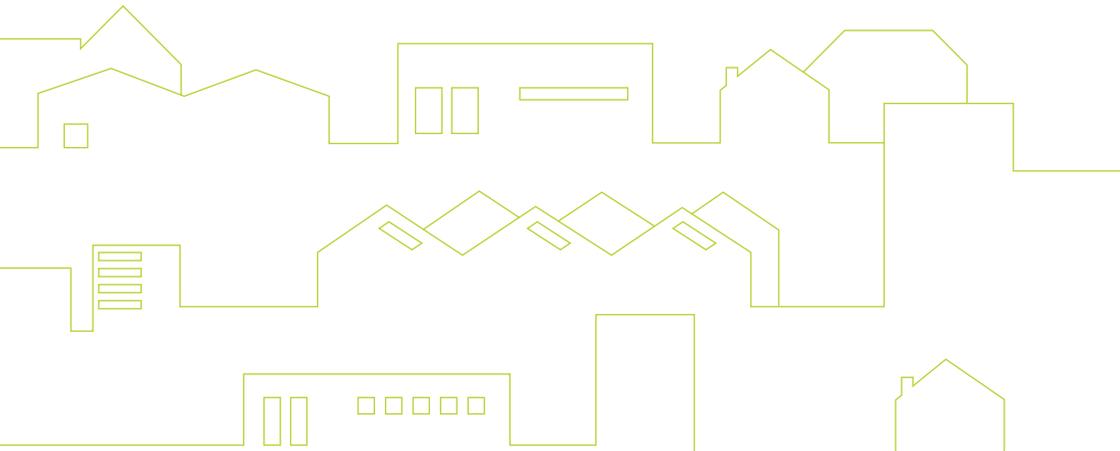


So who is Better Energy Communities for?

Better Energy Communities is open to all community upgrade projects throughout the country.

Better Energy Communities' key objectives are to improve the thermal and electrical efficiency of the building stock and energy poor homes and facilities, encouraging the implementation of deeper and more technically and economically challenging measures. These partnerships can be between the public and private sectors, domestic and non-domestic sectors, commercial and not-for-profit organisations and energy suppliers.

The following case studies provide examples of the types of projects that have been carried out under Better Energy Communities.



Better Energy Communities Case Studies 2014

BETTER ENERGY COMMUNITIES APPLICANT

Veolia

PROJECT COORDINATOR

3S Consulting

Marino Schools Cut Energy Spend with Energy Efficiency Upgrades

PROJECT COST

€1.1m

ENERGY SAVINGS

1,436,421 kWh

PROJECT PAYBACK

**Finance model:
10-year Energy
Performance
Contract**

PROJECT DESCRIPTION

Marino Community (Dublin North City), in partnership with a local primary school, a secondary school, a third level college and a University, undertook this project to reduce energy consumption and costs and provide more sustainable heating and lighting solutions. Energy efficiency measures included natural gas conversion, an oil boiler replacement, solar thermal panels, cavity and loft insulation, heating controls and efficient lighting. As part of a ten-year Energy Performance Contract, the project will be managed by a Veolia Energy Service Centre monitoring system. An energy screen monitor was installed in the foyer of each of the schools which, in turn, provides information used in classroom energy workshops.

The goal of the project was to demonstrate how a range of energy efficiency measures, in conjunction with Veolia Energy Services Centre monitoring system, can deliver substantial savings via an Energy Performance Contract.



**BETTER ENERGY
COMMUNITIES APPLICANT**

*Kingspan Insulation
T/A Kingspan Retrofit*

PROJECT COORDINATOR

Aerobord Ltd.

Respond Housing Scheme Benefits Homes and Community

PROJECT COST

€495,000

ENERGY SAVINGS

1,039,385 kWh

PROJECT PAYBACK

>10 years

PROJECT DESCRIPTION

This project was managed by Kingspan Energy, in conjunction with Respond Housing Association and Electric Ireland. The project covered 71 homes and two community centres in two locations in Athy Co. Kildare and Birr, Co. Offaly. Energy efficiency measures to these houses, 65% of which were fuel poor, included attic and wall insulation, boiler upgrades, the installation of heating controls and energy efficient lighting as well as energy-education for the occupants. The community is benefitting greatly from these energy efficiency upgrades not just to their homes, but to the community centres which host pre-school programmes, community meetings as well as education and awareness courses.



Better Energy Communities Case Studies 2014

BETTER ENERGY COMMUNITIES APPLICANT

Leitrim County Council

PROJECT COORDINATOR

Trevor McGarr

Mohill Community Benefits from County Council Upgrades

PROJECT COST

€349,000

ENERGY SAVINGS

787,423 kWh

PROJECT PAYBACK

4.3 years

PROJECT DESCRIPTION

Leitrim County Council carried out an energy efficiency upgrade project in Mohill, County Leitrim, encompassing energy upgrades to residential and community buildings as well as upgrades to the public lighting. Energy efficient measures to the 46 homes, most of which were fuel poor, included internal and external wall insulation, window and door replacement, heating and LED lighting upgrades. Energy upgrades to Hyde Terrace, Mohill Public Library and Mohill Fire Station included insulation, lighting, boiler and heating control upgrades.

In 2013, Leitrim County Council delivered a successful upgrade project involving the Dock Theatre, Park Lane House Public Library and several rural village public lighting upgrades.



**BETTER ENERGY
COMMUNITIES APPLICANT***NCE Insulation***PROJECT COORDINATOR***SE Systems*

Wolfetone Street Partnership Approach a Template for RAPID Community Retrofits

PROJECT COST**€650,000****ENERGY SAVINGS****415,809 kWh****PROJECT DESCRIPTION**

The success of this project lies mainly in the cooperative approach taken by all the project partners, including SEAL, Cork County Council, Bord Gais, community representatives and the residents. The objective was to provide a deep retrofit to both private and Local Authority, fuel poor and non-fuel poor homes in a RAPID (Revitalising Areas by Planning, Investment and Development) area, to demonstrate how effectively these partnerships can work in providing low-cost, low-maintenance upgrades to benefit a local community. The four apartment blocks, of 36 mixed ownership units, received a variety of upgrades, including attic and wall insulation, energy efficient heating and lighting, and window and door upgrades.

35

The number of jobs this project created on site.

B3

Average BER ratings went from C2 to B3.

Better Energy Communities Case Studies 2014

BETTER ENERGY COMMUNITIES APPLICANT

Galway Diocese

PROJECT COORDINATOR

Solas Holdings

Galway Cathedral Upgrades to Warmer and Brighter Interior

PROJECT COST

€685,000

ENERGY SAVINGS

972,675 kWh

PROJECT PAYBACK

2 years

PROJECT DESCRIPTION

The Galway Diocese is the trustee of over 90 buildings in the greater Galway/Clare region. One of its landmark buildings is Galway Cathedral, which had an average annual energy spend of over €75,000. With the help of SEAI, new gas condensing boilers, insulation, high efficient glazing and low-energy LED lighting was installed, resulting in savings of almost 980,000 kWh per annum. St Mary's College Secondary school and the Pastoral Centre, which provides support programmes and services for all Galway Diocesan parishes, also received funding towards retrofitting including insulation, lighting, heating controls and boiler replacement.

46

The number of jobs this project created on site.



**BETTER ENERGY
COMMUNITIES APPLICANT**

Woodlands House
Hotel, Adare,
Co. Limerick

PROJECT COORDINATOR

Electric Ireland

PROJECT COST

€161,000

ENERGY SAVINGS

256,131 kWh

PROJECT PAYBACK

5 years

The Woodlands Hotel also delivered a successful project in 2013 when it partnered with Gaelscoil O'Doghair in Newcastle West.

Woodlands House Hotel in Partnership with St. Gabriel's School & Centre

PROJECT DESCRIPTION

The Woodlands House Hotel, part of the Adare community for 30 years, facilitates various community groups and associations, including Adare Business Association, local and county GAA clubs and local schools. In 2014 it partnered with St. Gabriel's School and Therapy Centre, a registered charity dedicated to providing education and health therapies to children and young adults with disabilities. St. Gabriel's installed CHP units which monitor and distribute heat to the pool, the air handling unit, the hot water system and the underfloor heating. The Woodlands House Hotel installed a cooling system and retrofitted an air handling unit to include an integrated Building Management System.



Better Energy Communities



These figures represent achievements from both the Better Energy Communities and Better Energy Areas programmes. **Note: Better Energy Areas is now part of the Better Energy Communities programme.**

Key Outputs &
Impacts since 2012

€48m

SEAI's total grant contribution

230

The number of
successful projects

+8,800

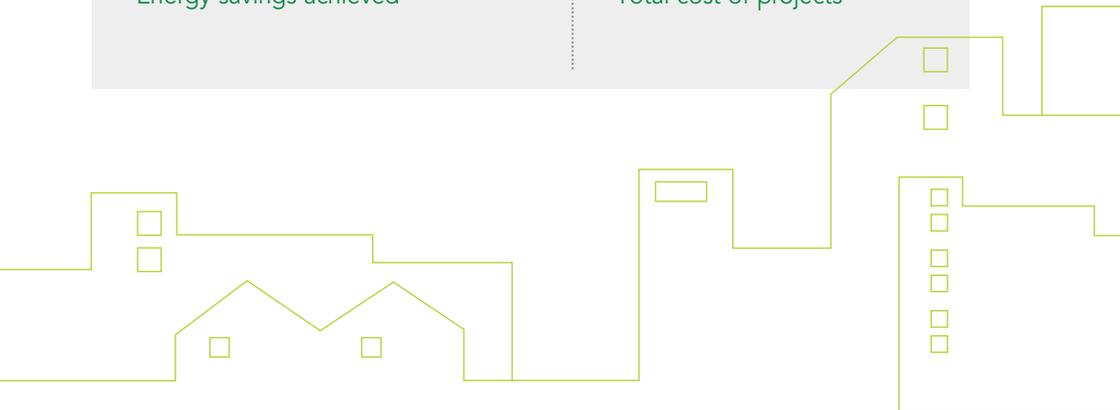
The number of homes upgraded

164 GWh

Energy savings achieved

€87m

Total cost of projects





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