

Heating and Insulating Upgrade

Ballycogley Community Centre

Ballycogley Community Centre was an uninsulated building with heating installation from the 70's. The building had a large electricity and oil demand for heating. However, after successfully upgrading their oil boiler and increasing their wall insulation, the benefits and cost savings were clear. The 3 Counties Energy Agency (3CEA) through the Sustainable Energy Authority of Ireland's Better Energy Communities programme is helping by administering state-wide funding for energy efficiency and renewable energy projects.

Summary

Company name:	Wexford County Council
Project actions:	Increase wall insulation by installing 80mm of insulated slab with plasterboard. Installation of a high efficiency condensing boiler, plus radiators and all piping works.
Finance source:	Internal
Additional funding:	SEAI BEC 2017 programme
% funding:	50%
Grant amount:	€ 23,547
Total project cost:	€ 47,148
25-year savings:	€ 36,962
Simple payback time:	15.95 years



	Annual Energy (kWh)	Annual Value (€)	Annual CO ₂ (tonnes)
Imports Before project	47,578 kWh	€ 5,024.44	15.0 tonnes
Imports After project	30,966 kWh	€ 3,545.97	11.6 tonnes
Savings	16,612 kWh	€ 1,478.47	3.4 tonnes

Benefits

Thanks to the heating and insulation upgrades, Wexford County Council saved money and reduced its carbon footprint through the BEC 2017 Programme.

The insulation and heating upgrades have helped increase the thermal comfort of the building for its users and reduced the number of hours the heating is required.

3CEA are working hard to develop another award-winning project involving SMEs, local community groups, local authorities and homeowners. For more information on BEC please contact 3CEA office.