

Insulation Upgrade

Cois Doire Community Centre

Cois Doire Community Centre was built in 2004 in Gorey, Co. Wexford. The building had a large electricity demand for heating, because of its intermittent use. However, after successfully increasing their attic and 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:	Cois Doire Community Centre
Project actions:	Increase attic insulation by 200 mm. Fill cavity wall with eco-bead insulation.
Finance source:	Internal
Additional funding:	SEAI BEC 2018 programme
% funding	50 %
Grant amount:	€ 846
Total project cost:	€ 1,692
25-year savings:	€ 1,869
Simple payback time:	11.3 years



	Annual Energy (kWh)	Annual Value (€)	Annual CO ₂ (tonnes)
Imports Before project	1,768 kWh	€ 265.20	0.7 tonnes
Imports After project	1,269 kWh	€ 190.44	0.5 tonnes
Savings	498 kWh	€ 74.76	0.2 tonnes

Benefits

Thanks to the insulation upgrades, Coire Doire Community Centre saved money and reduced its carbon footprint through the BEC 2018 Programme.

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