

Insulating Upgrade

Adamstown Community Centre

Community Centre was built in the early 2000's and the windows was in part metal single glazed. The building had a large electricity and gas demand for heating at their buildings. However, after successfully increasing their windows 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:	Adamstown Community Centre
Project actions:	Replacement of single glazed windows with gas filled double glazed windows.
Finance source:	Internal
Additional funding:	SEAI BEC 2017 programme
% funding:	50%
Grant amount:	€ 8,867
Total project cost:	€ 17,734
25-year savings:	€ 12,445
Simple payback time:	17.81 years



	Annual Energy (kWh)	Annual Value (€)	Annual CO ₂ (tonnes)
Imports Before project	23,383 kWh	€ 4,442.77	9.65 tonnes
Imports After project	20,763 kWh	€ 3,944.97	9.11 tonnes
Savings	2,620 kWh	€ 497.80	0.54 tonnes

Benefits

Thanks to the windows upgrades, Adamstown Community Centre saved money and reduced its carbon footprint through the BEC 2017 Programme.

The windows 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.