

Lighting and Insulation Upgrade

Owning Community Centre

Owning Community Hall was built in 1998 and is used by the parish and community for meetings. There is a large electricity and oil demand for heating and lighting at their buildings. However, after successfully upgrading their lights 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:	Leetherm / Piltown Parish
Project actions:	Upgrade all current units to LED equivalent. Remove rockwool insulation from cavity walls and Fill cavity with 100mm envirobead plus bonded bead insulation.
Finance source:	Internal
Additional funding:	SEAI BEC 2018 programme
% funding:	50%
Grant amount:	€ 6,825
Total project cost:	€ 13,650
25-year savings:	€ 19,761
Simple payback time:	8.7 years



	Annual Energy (kWh)	Annual Value (€)	Annual CO ₂ (tonnes)
Imports Before project	13,699 kWh	€ 1,469.17	3.2 tonnes
Imports After project	7,371 kWh	€ 678.71	1.5 tonnes
Savings	6,328 kWh	€ 790.46	1.7 tonnes

Benefits

Thanks to the lighting and insulation upgrades, Piltown Parish 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.

The lighting upgrade has resulted in a much better quality of light by using the newest technology LED lamps. The decrease in wattage has led to much lower electricity bills.

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.