

Heating, Insulation and Lighting Upgrade

Windgap Community Hall

Windgap Community Hall was originally built in the 1940's and had a large electricity and oil demand for heating and for lighting at their building. However, after successfully upgrading their oil boiler and their lights and increasing their floor, 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.

Before



After



Summary

Company name:	Windgap Community Centre
Project actions:	Internal wall insulation. 10+ years old oil boiler replaced with high efficiency condensing oil boiler. All existing lighting replaced with LED equivalent. Window and door replacement with a better u-value. Insulated concrete slab floor installation. Existing asbestos roof removal and insulation from top down.
Finance source:	Internal
Additional funding:	SEAI BEC 2018 programme
% funding	50%
Grant amount:	€ 29,888
Total project cost:	€ 59,775

Benefits

Thanks to the heating, insulation and lighting upgrades, Windgap Community Hall 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.