

Heating Upgrade

Hibernian Hotel in Mallow

Hibernian Hotel Mallow is a 3-star hotel located in Cork County, with a large electricity and oil demand for heating at their hotel. However, after successfully installing the heat recovery unit, 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 local energy efficiency and renewable energy projects.

Summary

Company name:	Hibernian Hotel
Project actions:	Installation of a heat recovery unit to produce hot water from cooling processes.
Finance source:	Internal
Additional funding:	SEAI BEC 2017 programme
% funding:	30%
Grant amount:	€ 5,966
Total project cost:	€ 19,888
25-year savings:	€ 291,154
Simple payback time:	1.2 years



	Annual Energy (kWh)	Annual Value (€)	Annual CO ₂ (tonnes)
Imports Before project	1,080,142 kWh	€ 86,411.36	221.43 tonnes
Imports After project	934,565 kWh	€ 74,765.20	191.59 tonnes
Savings	145,577 kWh	€ 11,646.16	29.84 tonnes

Benefits

Thanks to the heating upgrade in their building, Hibernian Hotel saved money and reduced its carbon footprint through the BEC 2017 Programme.

The installed heat recovery unit produce hot water which serve the kitchen of the hotel plus 13 bedrooms has led to much lower heating demand.

The installation of the heating device has maintained the thermal comfort of the hotel clients and has led to much lower heating demand.

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.