

Heating and Doors Upgrade

Portlaoise Leisure Centre

Portlaoise Leisure centre was built in 2005. The building had a large electricity and gas consumption for heating. However, after successfully installing power modulation and meters and replacing their doors, 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:	Portlaoise Leisure Centre
Project actions:	Install power modulation for CHP. Install meters on CHP Gas input and CHP output. Replace external doors by automated doors.
Finance source:	Internal
Additional funding:	SEAI BEC 2018 programme
% funding:	50%
Grant amount:	€ 13,592
Total project cost:	€ 27,184
25-year savings:	€ 404,199
Simple payback time:	0.9 years



	Annual Energy (kWh)	Annual Value (€)	Annual CO ₂ (tonnes)
Imports Before project	2,032,714 kWh	€ 154,219.09	467.3 tonnes
Imports After project	1,776,720 kWh	€ 138,051.12	413.6 tonnes
Savings	255,994 kWh	€ 16,167.97	53.7 tonnes

Benefits

Thanks to the heating and doors upgrades, Portlaoise Leisure Centre saved money and reduced its carbon footprint through the BEC 2018 Programme.

The heating upgrades have helped increase the thermal comfort of the building for its users and managed the electrical demand.

The installation of meters on CHP would help identifying energy saving opportunities of the overall energy usage.

. 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.