

Heating Upgrade

Portarlington Leisure Centre

Portarlington Leisure Centre was built in 2007. The building had a large electricity and gas demand for heating. However, after successfully upgrading their gas boiler and installing new controllers, BMS and metering, 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:	Portarlington Leisure Centre
Project actions:	Replace the two existing boilers with one high efficiency condensing boilers. Install new controllers and BMS interface. Install metering on main incomers.
Finance source:	Internal
Additional funding:	SEAI BEC 2018 programme
% funding:	50%
Grant amount:	€ 66,272
Total project cost:	€ 132,543
25-year savings:	€ 589,335
Simple payback time:	2.9 years



	Annual Energy (kWh)	Annual Value (€)	Annual CO ₂ (tonnes)
Imports Before project	1,309,238 kWh	€ 101,626.94	304.6 tonnes
Imports After project	984,858 kWh	€ 78,053.54	231.7 tonnes
Savings	324,380 kWh	€ 23,573.40	72.9 tonnes

Benefits

Thanks to the heating upgrade, Portarlington 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 BMS and meters would help managing energy usage and consumption and identifying saving opportunities.

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.