

Cooling System Upgrade

County Kilkenny Bar & Sports Club

With a large electricity demand for cooling at their buildings, J&E Bollard Bar Ltd. and James Stephen's GAA Club are concerned about promoting a sustainable energy practice while meeting their daily business objectives. However, after successfully upgrading their cooling systems 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:	J&E Bollards Bar Ltd. and James Stephen's GAA Club.
Project actions:	Replacement of old cooling system with new energy efficient coolers with variable speed drives and eco-python piping.
Finance source:	Internal
Additional funding:	SEAI BEC 2016 programme
Grant amount:	€ 11,390
Total project cost:	€ 27,407
25-year savings:	€ 49,598
Simple payback time:	8 years



Bollards Bar



James Stephen's GAA Club

	Annual Energy (kWh)	Annual Value (€)	Annual CO ₂ (tonnes)
Imports Before project	72,038 kWh	€ 10,805.70	38 tonnes
Imports After project	58,812 kWh	€ 8,821.80	31 tonnes
Savings	13,226 kWh	€ 1,983.90	7 tonnes

Benefits

Thanks to the cooling system upgrades completed through the BEC 2016 programme, both J&E Bollards Bar Ltd. and James Stephen's GAA Club have saved money and reduced their carbon footprint.

Both J&E Bollards Bar Ltd. and James Stephen's GAA Club's new cooling systems are more energy efficient with variable speed drives and eco-python piping making their buildings more environmentally friendly.

The eco-python piping is a safer alternative. Characterised by the total absence of toxic materials, in the case of a fire any fumes produced are transparent and non-toxic.

The application process for the 2019 energy efficiency and renewable energy projects has just been launched. 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.