

Cooling Upgrade

The Village Inn

The Village Inn is a restaurant in Kilkenny with a large electricity demand for their refrigeration system. However, after successfully installing an ice bank chiller with its compressor, 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:	The Village Inn
Project actions:	Upgrade of refrigeration system by installing a high efficiency Ice bank Chiller and a high efficiency compressor.
Finance source:	Internal
Additional funding:	SEAI BEC 2017 programme
% funding:	30%
Grant amount:	€ 3,064
Total project cost:	€ 10,213
25-year savings:	€ 8,034
Simple payback time:	22.25 years



	Annual Energy (kWh)	Annual Value (€)	Annual CO ₂ (tonnes)
Imports Before project	47,652 kWh	€ 6,433.02	22.3 tonnes
Imports After project	45,272 kWh	€ 6,111.67	21.2 tonnes
Savings	2,380 kWh	€ 321.35	1.1 tonnes

Benefits

Thanks to the refrigeration system upgrade, The Village Inn saved money and reduced its carbon footprint through the BEC 2017 Programme.

The refrigeration upgrade has helped reduce the time of the cooling process. The increase in efficiency of the system has led to much lower electricity bills.

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.