

Lighting Upgrade

Kilkenny Machinery Yard

Lighting at their machinery Yard was a source of spending for Kilkenny County Council, because of a large electricity demand. However, after successfully retrofitting their lighting system, 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:	Kilkenny County Council
Project actions:	Retrofit of internal high bay lighting and external yard lighting to LED.
Finance source:	Internal
Additional funding:	SEAI BEC 2017 programme
% funding:	30%
Grant amount:	€ 3,682
Total project cost:	€ 12,273
25-year savings:	€ 27,087
Simple payback time:	7.93 years



	Annual Energy (kWh)	Annual Value (€)	Annual CO ₂ (tonnes)
Imports Before project	181,600 kWh	€ 25,424.00	85.0 tonnes
Imports After project	173,861 kWh	€ 24,340.51	81.4 tonnes
Savings	7,739 kWh	€ 1,083.49	3.6 tonnes

Benefits

Thanks to the lighting upgrade, Kilkenny County Council saved money and reduced its carbon footprint through the BEC 2017 Programme.

The lighting upgrade has resulted in a much better quality of light by using the newest technology LED lights. The decrease in wattage 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.