

Public Lighting Upgrade

Offaly Public Lighting

Public lighting is source of large spending for Offaly County Council, because of a large electricity demand. However, after successfully upgrading their public lighting, 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:	Offaly County Council
Project actions:	Public lighting retrofit to LED using Smart photocell control utilising the new unmetered burn profiles to allow for Trimming and Dimming.
Finance source:	Internal
Additional funding:	SEAI BEC 2017 programme
% funding	30%
Grant amount:	€ 36,662
Total project cost:	€ 122,075
25-year savings:	€ 274,356
Simple payback time:	7.79 years



Offaly County Council
Comhairle Chontae Uíbh Fhailí

	Annual Energy (kWh)	Annual Value (€)	Annual CO ₂ (tonnes)
Imports Before project	112,992 kWh	€ 14,688.96	52.9 tonnes
Imports After project	28,575 kWh	€ 3,714.72	13.4 tonnes
Savings	84,417 kWh	€ 10,974.24	39.5 tonnes

Benefits

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

The public light 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.