

Public Lighting Upgrade

Wexford County Council



Wexford completed the retrofit of 900+ high energy intensity public lighting lanterns owned and operated by Wexford County Council through SEAI BEC in 2017. Through BEC 2018, these are 2450 lamps which have been carried out. 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:	Wexford County Council
Project actions:	Public lighting retrofit to LED using Smart photocell control utilising the new unmetered burn profiles to make the most of energy savings in these LED luminaires installations.
Finance source:	Internal
Additional funding:	SEAI BEC 2018 programme
% funding:	30%
Grant amount:	€ 407,509
Total project cost:	€ 1,358,653
25-year savings:	€ 2,411,958
Simple payback time:	9.9 years



	Annual Energy (kWh)	Annual Value (€)	Annual CO ₂ (tonnes)
Imports Before project	1,164,200 kWh	€ 151,345.94	476 tonnes
Imports After project	422,059 kWh	€ 54,867.61	173 tonnes
Savings	742,141 kWh	€ 96,478.33	303 tonnes

Benefits

Thanks to the public lighting upgrade, Wexford County Council saved money and reduced its carbon footprint through the BEC 2018 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.