

PV Panel Installation

Tullow Area Office and Library , Co. Carlow

The heating and lighting at Tullow Area Office are source of a large electricity demand. However, after successfully installing PV panels, the benefits and cost savings were clear. The 3 Counties Energy Agency (3CEA) through the Sustainable Energy Authority of Ireland's Better Energy Communities (BEC) programme is helping by administering state-wide funding for energy efficiency and renewable energy projects.

Summary

Company name:	Carlow County Council
Project actions:	Installation of PV Panels, with a capacity of 11kWp.
Finance source:	Internal
Additional funding:	SEAI BEC 2017 programme
% funding	30%
Grant amount:	€ 5,681
Total project cost:	€ 18,935
25-year savings:	€ 33,718
Simple payback time:	9.83 years



	Annual Energy (kWh)	Annual Value (€)	Annual CO ₂ (tonnes)
Imports Before project	62,450 kWh	€ 8,555.65	29.23 tonnes
Imports After project	52,605 kWh	€ 7,206.93	24.62 tonnes
Savings	9,845 kWh	€ 1,348.72	4.61 tonnes

Benefits

Thanks to the installation of PV panels, Carlow County Council saved money and reduced its carbon footprint through the BEC 2017 Programme.

The installation of PV panels on the roof of the building has led to a reduction in grid imported electricity on the site.