

PV panel installation

UCD Lyons Research Farm

UCD Lyons Research Farm is a farm located in Kildare County, with 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 programme is helping by administering state-wide funding for energy efficiency and renewable energy projects.

Summary

Company name:	UCD Lyons Research Farm
Project actions:	Installation of PV panels with a capacity of 100kWp.
Finance source:	Internal
Additional funding:	SEAI BEC 2017 programme
% funding	50%
Grant amount:	€ 46,061
Total project cost:	€ 92,123
25-year savings:	€ 286,076
Simple payback time:	4.03 years



	Annual Energy (kWh)	Annual Value (€)	Annual CO ₂ (tonnes)
Imports Before project	528,666 kWh	€ 79,299.90	247 tonnes
Imports After project	452,379 kWh	€ 67,856.88	212 tonnes
Savings	76,287 kWh	€ 1,1443.02	35 tonnes

Benefits

Thanks to the installation of PV panels, UCD Lyons Research Farm saved money and reduced its carbon footprint through the BEC 2017 Programme.

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

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.