

Lighting Upgrade

Wexford County Council Archive

The library archive was built in 2005. The building is used to store irreplaceable archive materials relating to the history of County Wexford. The County Archive had a large electricity demand for lighting at their buildings. However, after successfully upgrading their lights, 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:	Wexford County Council
Project actions:	Replacement of non-LED lighting in the library by LED lighting.
Finance source:	Internal
Additional funding:	SEAI BEC 2017 programme
% funding:	30%
Grant amount:	€ 8,333
Total project cost:	€ 27,778
25-year savings:	€ 41,311
Simple payback time:	11.77 years



	Annual Energy (kWh)	Annual Value (€)	Annual CO ₂ (tonnes)
Imports Before project	52,675 kWh	€ 7,648.41	10,8 tonnes
Imports After project	41,295 kWh	€ 5,995.98	5.5 tonnes
Savings	11,380 kWh	€ 1,652.43	5.3 tonnes

Benefits

Thanks to the lighting upgrade, Wexford 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 lamps. 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.