

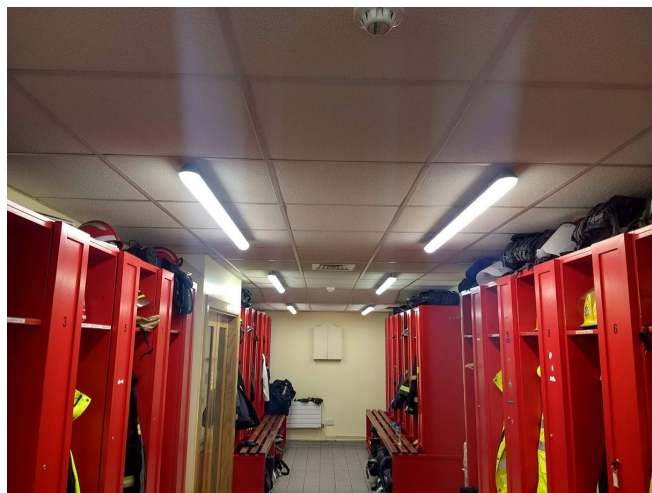
Lighting Upgrade

Wexford Fire Station HQ Case Study

Wexford Fire Station HQ had a large electricity usage for lighting. 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:	Replace existing lighting quad with LED and fluorescent equivalent fittings.
Finance source:	Internal
Additional funding:	SEAI BEC 2018 programme
% funding:	30%
Grant amount:	€ 3,409
Total project cost:	€ 11,363
25-year savings:	€ 26,418
Simple payback time:	7.5 years



	Annual Energy (kWh)	Annual Value (€)	Annual CO ₂ (tonnes)
Imports Before project	62,928 kWh	€ 5,773.28	19.5 tonnes
Imports After project	56,712 kWh	€ 4,716.56	16.9 tonnes
Savings	6,216 kWh	€ 1,056.72	2.6 tonnes

Benefits

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

The lighting upgrade has resulted in a much better quality of light by using the newest technology LED lamps and fluorescent tubes. 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.