

Lighting and Heating Upgrade

Ferbane Church

With a large electricity and oil demand for lighting and heating at their Church, Ferbane Parish is concerned about promoting a sustainable energy practice while meeting their daily business objectives. However, after successfully installing their new sustainable lighting system and upgrading their oil boiler, 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:	Ferbane Parish
Project actions:	Replacement of previous light fittings with new, energy efficient LED fittings. Replacement of old boiler with a high efficiency condensing boiler.
Finance source:	Internal
Additional funding:	SEAI BEC 2017 programme
Grant amount:	€ 7,908
Total project cost:	€ 15,815
25-year savings:	€ 29,610
Simple payback time:	6.68 years



Ferbane Church

	Annual Energy (kWh)	Annual Value (€)	Annual CO ₂ (tonnes)
Imports Before project	25,451 kWh	€ 2,634.64	7.59 tonnes
Imports After project	15,653 kWh	€ 1,450.24	4.37 tonnes
Savings	9,798 kWh	€ 1,184.40	3.22 tonnes

Benefits

Thanks to the lighting and heating upgrades completed through the BEC 2017 programme, Ferbane Parish has saved money and reduced their carbon footprint.

Ferbane church has been upgraded to a more durable and eco-friendly lighting system, incorporating LED lights in place of previous fittings. These are a more efficient alternative, reducing electricity demand and resulting in a more environmentally friendly building.

Upgrading the previous, 20+ year old field boiler with a new, high efficiency condensing boiler results in a lower energy consumption required for the equivalent heat output. Reducing the building's fuel consumption.

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.