

Heating and Lighting Upgrade

Offaly High Street Church

High Street Church is located in county Offaly and has a large electricity and oil demand for heating and lighting at their Church. However, after successfully upgrading their oil boiler and installing their new lighting system, 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 old boiler by high efficiency condensing oil boiler which include space heating controls with thermostat. Replacement of old lighting fitting by new energy efficient LED fittings.
Finance source:	Internal
Additional funding:	SEAI BEC 2017 programme
% funding	50 %
Grant amount:	€ 10,738
Total project cost:	€ 21,477
25-year savings:	€ 33,988
Simple payback time:	7.9 years



	Annual Energy (kWh)	Annual Value (€)	Annual CO ₂ (tonnes)
Imports Before project	25,451 kWh	€ 2,634.64	6.53 tonnes
Imports After project	13,471 kWh	€ 1,275.12	3.19 tonnes
Savings	11,980 kWh	€ 1,359.52	3.34 tonnes

Benefits

Thanks to the heating and lighting upgrades, Ferbane Parish 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.

The replacement of the oil boiler has helped increase the thermal comfort of the church for its users and reduced the number of hours the heating is required.

*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.*

