

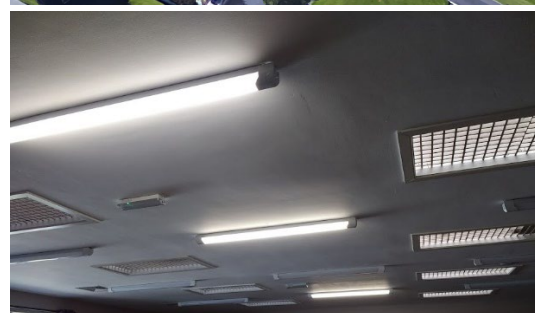
# Heating, Lighting and Insulating Upgrade

## St Johns Day Centre

*St Johns Day Centre is located in Kilkenny and had a large electricity and oil demand for heating and lighting at their buildings. However, after successfully upgrading their oil boiler, increasing their attic and windows insulation and upgrading their 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

<b>Company name:</b>	<b>St Johns Homes Association</b>
<b>Project actions:</b>	Wrap insulation around light wells. Replace old oil boiler with more energy efficient condensing oil boiler and controls. Upgrade single glazed external door and windows to double glazed. Retrofit old light quad with LED equivalent fittings.
<b>Finance source:</b>	Internal
<b>Additional funding:</b>	SEAI BEC 2017 programme
<b>% funding:</b>	50%
<b>Grant amount:</b>	€ 83,669
<b>Total project cost:</b>	€ 167,339
<b>25-year savings:</b>	€ 229,593
<b>Simple payback time:</b>	11.41 years



	Annual Energy (kWh)	Annual Value (€)	Annual CO <sub>2</sub> (tonnes)
Imports Before project	429,548 kWh	€ 61,509.64	193 tonnes
Imports After project	411,865 kWh	€ 52,325.93	165 tonnes
Savings	17,683 kWh	€ 9,183.71	28 tonnes

### Benefits

Thanks to the heating, lighting and insulation upgrades, St Johns Homes Association saved money and reduced its carbon footprint through the BEC 2017 Programme.

The insulation and heating upgrades have helped increase the thermal comfort of the building for its users and reduced the number of hours the heating is required.

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.*