

# Heating and Insulation Upgrade

## Our Lady Island Community Centre

Our Lady Island Community centre hall and offices was constructed in 1992, walls' insulation have been upgraded in 2005. Despite this, there is a large electricity, oil and gas demand for heating at their building. However, after successfully upgrading their windows and doors and installing a recirculating warm air 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>Wexford County Council</b>
<b>Project actions:</b>	Replacing single glazed, aluminium frames windows and doors with double glazed, PVC frames windows and doors.
<b>Finance source:</b>	Internal
<b>Additional funding:</b>	SEAI BEC 2018 programme
<b>% funding:</b>	50%
<b>Grant amount:</b>	€ 13,539
<b>Total project cost:</b>	€ 27,077
<b>25-year savings:</b>	€ 14,184
<b>Simple payback time:</b>	23.8 years



	Annual Energy (kWh)	Annual Value (€)	Annual CO <sub>2</sub> (tonnes)
<b>Imports Before project</b>	<b>34,320 kWh</b>	<b>€ 3,438.27</b>	<b>9.6 tonnes</b>
<b>Imports After project</b>	<b>24,864 kWh</b>	<b>€ 2,870.91</b>	<b>7.7 tonnes</b>
<b>Savings</b>	<b>9,456 kWh</b>	<b>€ 567.36</b>	<b>1.9 tonnes</b>

### Benefits

Thanks to the heating and insulation upgrades, Wexford County Council saved money and reduced its carbon footprint through the BEC 2018 Programme.

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