

# Lister Housing Co-Op

## Listed Building with Solar Thermal

### Project Overview

Edinburgh has more listed buildings than any other UK city apart from London. Renewable energy installations in these properties are extremely rare, especially in multi-occupancy buildings such as tenements. In order to address growing concerns about carbon emissions in high density residential areas, Renewable Heritage embarked on a ground-breaking project to install solar thermal systems on seven Grade B listed Georgian tenements in the heart of Edinburgh, a Conservation Area and World Heritage Site.

AES Solar, Scotland's only solar panel manufacturer, was selected to design and supply the solar heating system, which was installed by their local partner, Glendevon Energy. The systems were designed to provide at least 50% of annual hot water requirement for 49 properties, even at basement level. But this is just the first step. The project provides a model for others living in historic, protected homes to generate their own free, clean energy.



Jenny Lewis, chair of Lister Housing Co-operative says "This project will help reduce our tenants' fuel consumption, save carbon and support Scottish jobs, without in any way jeopardising our B-listed Georgian tenements – it's a win-win solution." Adam Wilkinson, director of Edinburgh World Heritage, agreed: "Fuel poverty and sustainable energy are very much on the agenda. This study will help dispel the myth that historic buildings are neither energy efficient, nor capable of being sensitively retrofitted with sustainable energy measures."



### Technical Overview

<b>Client</b>	Lister Housing Co-Operative
<b>Array Size</b>	165m <sup>2</sup>
<b>Performance</b>	74,520 kWh / yr
<b>CO<sub>2</sub> Savings</b>	14,159 kg – 32,043 kg / yr

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