The renewable energy potential of the Cairngorms National Park
Welcome to low carbon Cairngorms National Park

Adapting to climate change and cutting greenhouse gases are key goals for the Cairngorms National Park. The new five-year Partnership Plan (2012-2017) sets out how households and businesses adapting to a low carbon economy can achieve success.

Using renewable sources of energy to heat our homes, businesses and schools is something many people can do, and there is lots of help and advice available to help you taking to make it as easy as possible. Using wood for heat can be very cost effective but be aware of some of the issues associated with biomass fuel supplies.

Biomass (burning wood)

11 December 2012

<table>
<thead>
<tr>
<th></th>
<th>per kWh</th>
<th>per Year</th>
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<tbody>
<tr>
<td>Woodfuel - Logs</td>
<td>£0.023</td>
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<td>Woodfuel - Chips</td>
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<td>Oil - Kerosene</td>
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Hydro Energy

The first hydro-electric scheme of its kind in Scotland is about to come on-stream in Aberdeenshire, harnessing the River Don to create enough electricity to power a village.

Zack's Hydro-Electric Plant

The 40ft-long spiral of steel fits into the original structure. A new sluice has been created upstream at a bend in the Don, linking the original underground feed - a 260yd pipeline big enough to walk in - to fill a reservoir.

The build-up of water turns the angled screw at 25 revolutions per minute, creating

Landmark Scottish Hydro-Electric Scheme

By Alistair Beaton
Other Renewable Energy Potential

- Photovoltaic cells
- Solar Hydro
- Ground / Air source heat pumps
- Wind
- Deep geothermal?