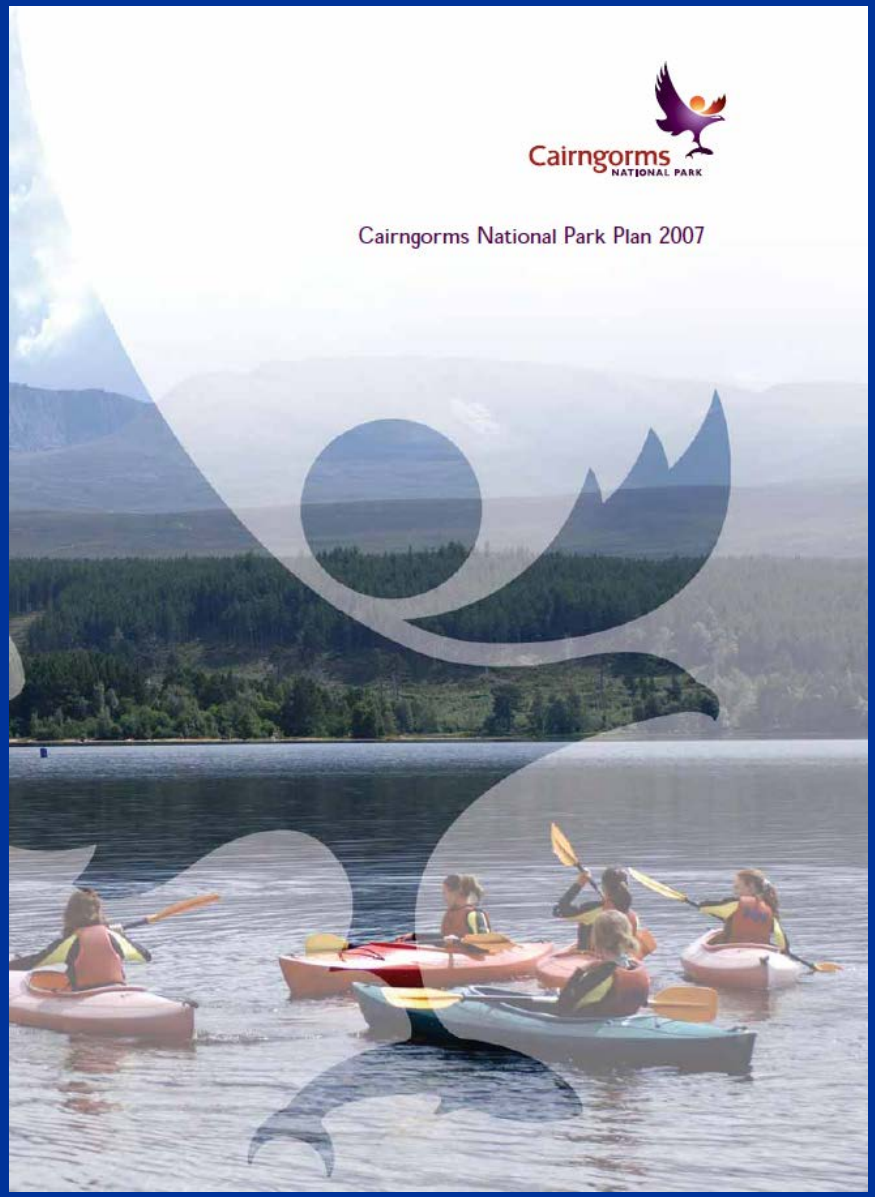
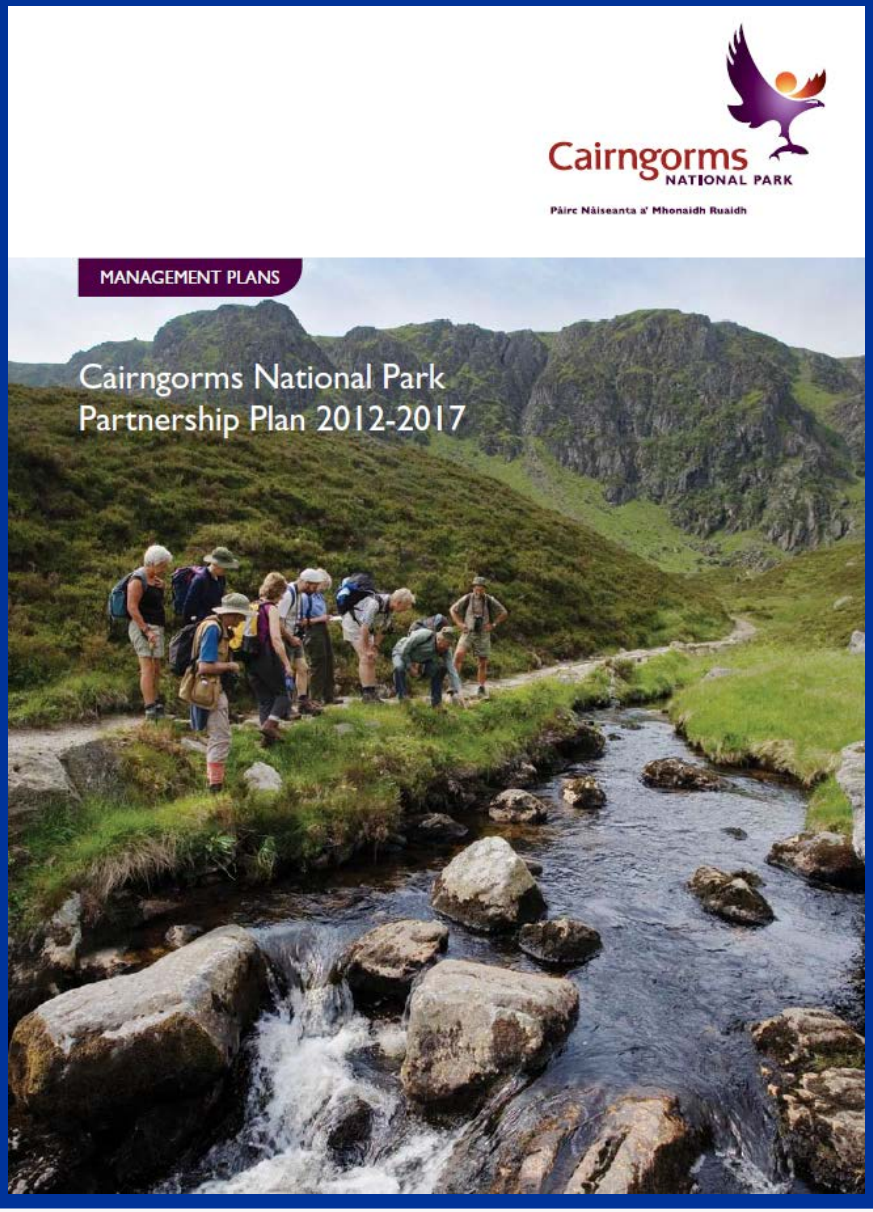
The renewable energy potential of the Cairngorms National Park


Cairngorms
NATIONAL PARK
Cairngorms National Park Plan 2007


Cairngorms
NATIONAL PARK
Pàirc Nàiseanta a' Mhonaidh Ruaidh
MANAGEMENT PLANS
Cairngorms National Park
Partnership Plan 2012-2017

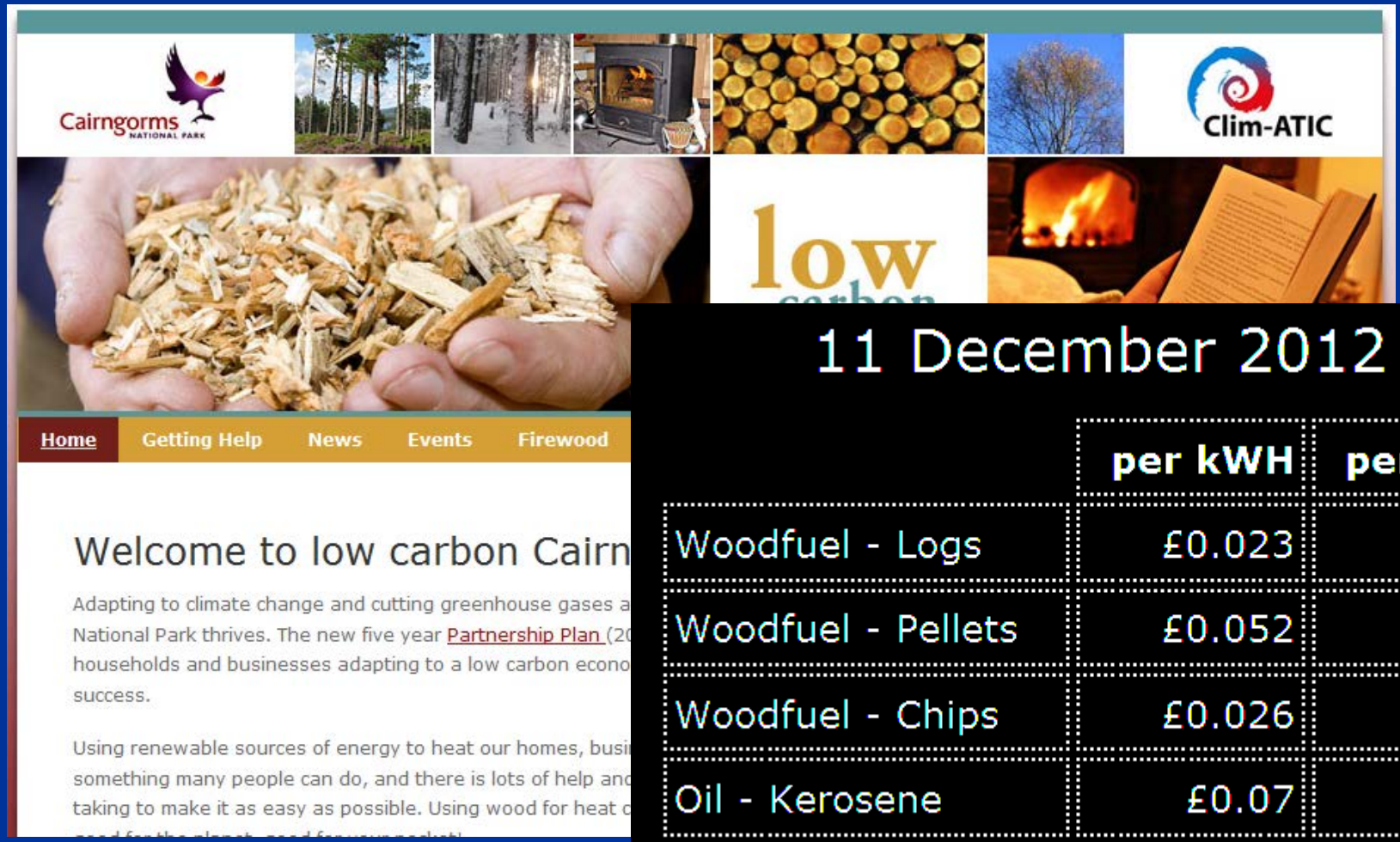
Cairngorms NATIONAL PARK
DESIGN AWARDS 2012
WINNER

Cairngorms NATIONAL PARK
DESIGN AWARDS 2012
COMMENDATION

Cairngorms NATIONAL PARK
DESIGN AWARDS 2012
COMMENDATION

Cairngorms NATIONAL PARK
DESIGN AWARDS 2012
COMMENDATION

Biomass (burning wood)



11 December 2012

	per kWH	per Year
Woodfuel - Logs	£0.023	£690
Woodfuel - Pellets	£0.052	£1560
Woodfuel - Chips	£0.026	£780
Oil - Kerosene	£0.07	£2100

Hydro Energy

Archimedes Screw

and Journal
EWS
19

o harness water or the people

LANDMARK SCOTTISH HYDRO-ELECTRIC SCHEME

BY ALISTAIR BEATON

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.

Farmer and offshore industry consultant John Riley is transforming a Strathdon hydro power site left derelict for decades, installing a German-made generating system based on one of the world's oldest scientific principles.

Creating a new future for the Bridge of Newe plant, built by a local estate in 1946

The 40ft-long spiral of steel fits into the original structure. A new sluice has been created upriver at a bend in the Don, linking the original underground feed – a 250yd pipeline big enough to walk in – to fill a reservoir.

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

Other Renewable Energy Potential

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