

# Aberdeenshire Council

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**Biomass Boiler Project**

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# Keep it simple

## Styria Energy Policy:

- Reduce demand through efficient design
- Minimise impact on environment
- Presumption against use of electricity for heating
- Local solutions preferred

# ENERGY PERFORMANCE – HOUSING

(2004 figures – since superseded)

UK

AUSTRIA

Thermal Transmission Standards

-Heat loss in watts per square metre per degree centigrade

Walls	0.3	0.15
Roof	0.2 – 0.22	0.15
Windows	2.0 – 2.22	0.9
Floors	0.25	0.11
Boiler	35KW	8KW







# Objectives

- Alternative market for small roundwood
- Reduce dependence on fossil fuels
- Increase area self sufficiency
- Provide employment in rural areas
- Save on heating costs – combat fuel poverty
- Keep a higher percentage of fuel pound in local economy.

# Objectives

- Encourage development of wood fuel supply chain
- Demonstrate technology
- Lead by example
- Influence others
- Develop local capabilities
- Promote business opportunities in biomass

# Methodology

- Design to minimise risk
- Adopt best practice
- Boiler management system important
- Look at other system efficiency improvements

# and finally

We have

- reduced CO<sub>2</sub> emissions by 600t p.a.
- removed need for around 1000 road tanker miles p.a.
- currently saving £42,500 p.a.on fuel costs.

**and next**

Wood pellet boiler for Banff Academy complex.

Community heating projects.