Local Power

Developing business models for community owned biomass systems
Who We are
- Registered Charity
- Based in Highland Scotland
- 21 years old

What We Do
- Forestry
- Bioenergy
- Habitat Management
- Rural Development
- HB Ecology – Trading Arm

Highland Birchwoods Biomass Experience
- 20 years of collective experience
- Four International Biomass projects with International partners in Austria, Finland, Italy, Iceland, Slovenia, Sweden.
- Two national Biomass Projects
- Research contracts for Scottish Government and Highland Council
Funders and Supporters

Local Power

Esmée Fairbairn Foundation

The Highland Council Comhairle na Gàidhealtachd

leapfrog
• Based on Project Gussing and EEE
• - Extension agency, facilitating local communities to become energy independent

• Energy is Wealth
Local Power: The Ethos
Making Renewable Energy Work for Local Communities

CO₂ Cost Fuel Poverty
Fuel Security Employment Local Wealth

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EF Esmée Fairbairn Foundation
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leapfrog
HIGHLAND BIRCHWOODS
Coilè Beithe na Gàidhealtachd
Local Power Process

Heat and Fuel Mapping
- Heat Loads
- Fuel requirements
- Local forest resource

Cost and cash flow
- Decision Support Tool
- Finance
- Cash Flow

Legal and Business
- Company structure
- Supply contracts
Heat Mapping and fuel balance

Individual Buildings

Settlements

Sub regional Supply Chains

Regional Balances
Decision Support Tool

District Heating Scheme
Decision Support Tool

- Boiler Cost
- RHI income
- How much Woodfuel
- Finance and interest
- Cash flow
- Energy sales
- Payback period
- Boiler size
- Payback period
- Boiler size
- Finance and interest
- Cash flow
- Energy sales
- RHI income
- How much Woodfuel
- Finance and interest
- Cash flow
Legal and Business Toolkit

- Client contracts
- Joint Venture
- Profit distribution
- £1/4 m Finance
- Company Structure
- Tax
- Fuel Supply contract
Ullapool: Pathfinder Site

- Ullapool Community Trust identify site and clients.
- Clients including Highland Council, willing to buy heat.
- Local Power Process verifies financial viability.
- District Heating Loan Fund agreed.
- Boiler site agreed with Highland Council.
- Potential JV visited site. Others to be contacted.

The Numbers:

- Annual CO₂ reduction – 237 tonnes
- Lifetime CO₂ reduction 4740 tonnes
- Annual energy – 0.65 GWh
- Build Cost: £250 – £300k
- Annual woodfuel: 255 tonnes
- Average annual surplus £35k
- Lifetime surplus £705k
• More Information:
• [http://localpowerproject.wordpress.com/](http://localpowerproject.wordpress.com/)

• Local Power Conference Inverness Council Chambers - 7th May.
Thank You

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