Sleat Renewables Ltd

CIFAL - Findhorn

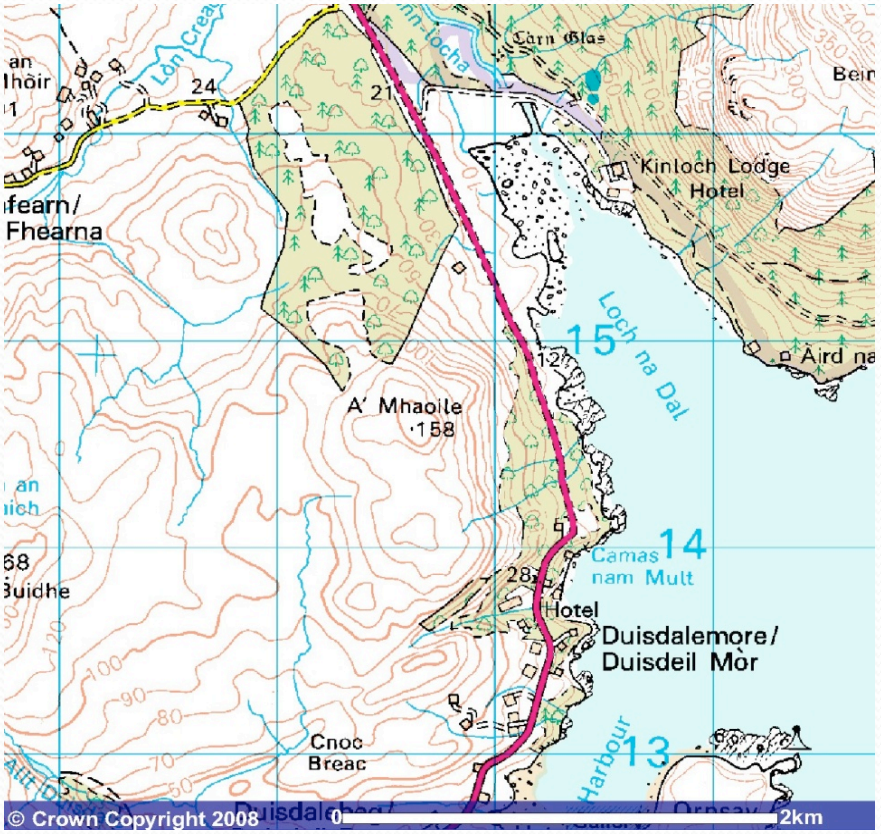
Sabhal Mor Ostaig 26th September 2009

Angus Robertson - Project Officer

Sleat Renewables Ltd

- Renewable Energy working sub group active from 2004
- Sleat Renewables Ltd formed in November 2007
- Separate board of directors
- Main projects
  - Community Wind Energy Development
  - Woodchip Supply Company
  - “A Clean Sleat” carbon reduction project

Wind Energy



A' Mhaoile from Kinloch and Map Location

Biomass - Woodchip

Wood fuel supply

- Secured contract to supply Sabhal Mor Ostaig (SMO) with 400 to 500 tonnes of woodchip per annum.
- First delivery SMO in May 2008.
- Due to a variety of technical issues with the boiler installation, resupply from the community recommenced August 2009
- Opened discussions with local land owner to build secure shed facility.

“A Clean Sleat” 2009 - 2010

Sleat Carbon Footprinting

- Our study showed, on average, a Sleat resident contributes **17 tonnes** of CO2 to the atmosphere per annum. The Scottish average is around **12 tonnes**.
- Total Annual Emissions of **14,397 tonnes**
- Clean Sleat's goal is a **33%** reduction in CO2 within **two years**

Breakdown of Sleat Carbon Footprint

Material and Waste

- 5348 Tonnes of CO_2
- 37% of Overall Total

Direct Energy

- 4283 Tonnes of CO_2
- 30% of Overall Total

Transportation

- 4044 Tonnes of CO_2
- 28% of Overall Total

Food and Water

- 650 Tonnes of CO_2
- 5% of Overall Total

Why so high?

Material and Waste

- All waste disposed off island
- Little recycling

Direct Energy

- Mainly oil based heating systems
- Poor house insulation

Transportation

- Reliant on car use
- Few public transport alternatives

Food and Water

- High food miles
- Low utilisation of land for growing

Sleat Ecological Footprint

Total bio-productive land and sea / Total global population

World Average = 1.8 global hectares person

Sleat Average = 5.82 global hectares person

Malawi Average = 0.6 global hectares person

Clean Sleat – Progress so far

- 400 energy savings lights bulbs distributed to Sleat households.
- 80 Standby savers distributed.
- Purchase of community cultivator, cold frames, shed, moisture meter
- Five events held (Polytunnels, Energy Savings Trust, Solar Car Boot Sale, Crofters Markets and the showing of the “Age of Stupid” DVD
- Started home energy audits which will be completed with a thermal imaging survey using our own camera.

Clean Sleat – Progress so far

- Hosting of visits and advice given to several community groups
- Four study visits to other community groups (Lewis, Uist, Alvie, Comrie)
- Knowledge sharing to students/delegates from UHI and CIFAL (Findhorn)
- Lobbied the local bus company for better service.
- Renewable energy supply event.
- Green scheme for hotels, B & B's, self catering providers.
- The Great Sleat Cycle Week with lots of two wheel activity.

Thank you!

Questions and Answers

www.sleatcommunitytrust.co.uk

www.cleansleat.co.uk

E: angus@cleansleat.co.uk