Superfast Broadband and the low carbon economy

Brian Grindley

Sustaining Dunbar

Superfast Broadband and the low carbon economy

- As consumers

- As producers

- Digital Scotland

Superfast Broadband and the low carbon economy

- As consumers

  - Telecommuting
  - Healthcare (Intelligent patient and remote sensors)
  - Education (remote learning and reuse)
  - Energy supply and provision (intelligent use, smart meters) see http://www.consumerenergyreport.com/smart-grid
  - Transport (trip planning, embedded devices, smart cards)

Superfast Broadband and the low carbon economy

- As producers

  - SMEs (e.g. games developers, distributed contact centres)
  - Smart park (big fibre)
  - Large organisations (telecommuting)
  - The Cloud

Superfast Broadband and the low carbon economy

- Digital Scotland

  - Flexible aims - DS's key aims for broadband in Scotland are related to, or aligned with, other major digital strategies such as:
    - The European Commission's Digital Agenda for Europe which has a target of broadband coverage at a speed of 30 Mbps (Megabits per second) to all by 2020
    - The UK Government's strategy "Britain's Superfast Broadband Future" which aims for the UK to have the best next generation broadband network in Europe by 2015
  - For more information on the latest position see recent report http://www.scotland.gov.uk/Publications/2013/02/9054/3

Superfast Broadband and the low carbon economy

Dunbar as a smart pilot

- Dunbar is classified as a rural town and is exactly the kind of community that would benefit from superfast broadband and increased digital inclusion.

- Dunbar is, to some extent, a dormitory town for Edinburgh. Many knowledge workers commute daily and superfast broadband would increase the opportunities for local knowledge workers to work remotely.

- We are close to important transport links (the A1 and East Coast mainline run through the town), offering the possibility of the broadband effect being amplified by other economic factors.

Superfast Broadband and the low carbon economy

Dunbar as a smart pilot

- Dunbar has Scotland's biggest, fattest piece of fibre running through the middle of the town (along the railway line). Access to this would offer a speedy pilot with little need to lay expensive and time consuming infrastructure.

- The potential reduction of healthcare facilities in Dunbar would create a requirement for increased telehealthcare.

- Dunbar already has local bodies interested in the cause, for instance Sustaining Dunbar and Lothian Broadband (a local co-op that has already installed a 100Mbs backhaul connection in conjunction with Edinburgh University and is connecting an increasing number of businesses including a major games developer).