



A Vision for Biomass for Yorkshire and the Humber

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Report Launch, Bradford Town Hall



This Presentation

Context for the Vision

Project Brief

Our Methodology

A regional Vision for Biomass

The Vision's Objectives

Action Plan Structure & Highlights

The Context

High regional priority attached to Biomass within the Regional Energy Infrastructure Strategy

“Among the primary developments the region would like to see is an extensive regional bioenergy infrastructure that includes the widespread production and use of biomass and biofuels”

A Vision for Biomass could contribute to:

GHG emissions reductions (RES)

On-site renewable energy developments and targets (draft RSS)

New technology, better infrastructure (RES / CCAP / Coal Vision)

Strong regional / sub-regional initiatives already under way

Energy White Paper, UK Biomass Strategy and related national policies

Yorkshire and the Humber procured a study to develop a Vision for Biomass (January – October 2007)

Project Brief



To propose a Vision for Biomass that has the complete support of organisations, sectors and representative bodies

To draw up a detailed and costed Action Plan that can achieve the agreed Vision

Support the development of a business plan to secure funds for implementation

Our Methodology

1 Review and build upon existing context

2 Develop outline scenarios for a Vision, to prompt debate

3 Phase I Consultation – Targeted Interviews

- *21 telephone interviews with stakeholders*

4 Phase II Consultation – Consultation Workshop

- *30 attendees*

5 Develop Vision, Action Plan and draft report for stakeholder feedback

Which Biomass sources?

- Biomass to generate heat and/or power
- Anaerobic digestion of biomass to produce biogas
- Not biomass for liquid biofuels – separate study, launched Feb. '08
- Not energy from mixed wastes / landfill gas / sewage gas – review of regional waste strategy

A Regional Vision for Biomass

“To enable the region to realise the benefits of reduced greenhouse gas emissions, increased security of energy supplies for heat, power and transport, and regional environmental improvements through the development of a strong and sustainable biomass industry”

Objectives

- Contribute to the region’s GHG reduction target
- Ensure that biomass production / use enhances biodiversity and other environmental objectives
- Help deliver biomass for co-firing
- Facilitate and support initiatives to encourage biomass based local heat and power supply
- Support initiatives to encourage under-managed woodland to maximise economic and social benefits
- Contribute to economic re-generation, particularly in rural areas
- Facilitate skills growth in biomass energy technology and local supply chains

Action Plan Structure

Structure reflects Key Priorities

- *Raising Awareness*
- *Development of Markets*
- *Development of Fuel Supply Chains*
- *Biomass in Re-generation*
- *Regulations & planning*
- *Funding support*

Some Action Plan Highlights - I

Raising Awareness

- *Vision launch*
- *Publicity material targeted at key groups*
- *Monitor progress*

Develop markets

- *Identify / support infrastructure development*
- *Replicate SYFP pathfinder in other sub-regions*
- *Build on existing work to realise biomass potential in schools*
- *Web-based information*

Develop fuel supply chains

- *Tasks to support growing / production, e.g.*
 - *Bring woodland into management*
 - *Training initiatives*
 - *Support establishment of exemplary energy crop sites*
 - *Contractual support for fuel supply*

Some Action Plan Highlights - II

Biomass in Re-generation

- *Biomass in rural renewal programmes*
- *Business plan for farm waste anaerobic digestion*

Regulations & planning

- *Clarify smoke control issues and disseminate recommendations*
- *Establish protocol for grid connection*
- *Adoption of EU standards for wood fuel*

Funding support

- *Update / maintain on-line funding support database*
- *Information days*

A Strong Vision for Biomass

Many organisations within Yorkshire and the Humber have

- considerable experience of biomass
- first-hand knowledge of the technology

which underpins the credibility of the Vision and Action Plan

The Vision for Biomass was developed through an iterative consultation process with these stakeholders, together with others involved in procurement, research and the power and oil industry – their inputs are gratefully acknowledged

Yorkshire and the Humber now has a strong regional platform on which to base its support for the deployment of biomass initiatives