

# Services offered to Developers

Creative Environmental Networks  
Tom Vosper



# Renewable Technologies – Why?

- A. Saving carbon gives my company a warm and fuzzy feeling
- B. We want to target fuel poverty and reduce running costs
- C. Fossil fuels are running out and we're worried about security of supply.



And when we run out .....



# Renewable Technologies – Why?

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- D. Planning is making us....



# Planning requirements...

- At least 20 councils have now implemented policy aligned with UK Strategy, the London Plan & PPS22:
  - ***“The Council will expect all development (either new build or conversion) with a floor-space of 1,000m<sup>2</sup> or ten or more residential units to incorporate renewable energy production equipment to provide at least 10% of the predicted energy requirements.”***  
(Croydon 2nd Deposit Draft UDP)



# If it's so great – Why isn't everyone using wood fuel?

- Higher Capital Cost
- More onerous space requirements
- Lack of local demonstration schemes
- Need for coordinated approach to fuel supply chain set-up
- Lack of knowledge and understanding of systems
  - perception is still that wood fuel heating is dirty, smoky inefficient and high maintenance



# Current Work



- Site Assessments
- Options Appraisals
- Biomass Feasibility
- Training, Education
- Advice on site layout, plant room sizing etc.
- System design and cost comparisons
- Locating Fuel suppliers and building infrastructure
- Grant advice and support



# CEN Services Supporting Development

Supporting planners & developers to facilitate renewable energy projects through the planning process:

## Supporting local authorities:

- Support sustainable energy policy development & implementation
- Engage developers
- Assess applications
- Use Toolkit & assess 10%
- Training

## Supporting developers:

- Explain policy requirements
- Assess renewable energy options
- Liaise with local authorities
- Manage installation activities
- Training

**Impartial 3<sup>rd</sup> party  
support to local  
authorities & developers**

**Creative Environmental  
Networks**



The diagram illustrates the role of Creative Environmental Networks. At the bottom, a grey rectangular box contains the text 'Creative Environmental Networks'. Two large, grey, curved arrows originate from the left and right sides of this box, pointing upwards and outwards towards two orange boxes above. The top-left orange box is titled 'Supporting local authorities:' and lists five bullet points: 'Support sustainable energy policy development & implementation', 'Engage developers', 'Assess applications', 'Use Toolkit & assess 10%', and 'Training'. The top-right orange box is titled 'Supporting developers:' and lists five bullet points: 'Explain policy requirements', 'Assess renewable energy options', 'Liaise with local authorities', 'Manage installation activities', and 'Training'. Centered between the two orange boxes is the text 'Impartial 3rd party support to local authorities & developers'.

# Options Appraisal Includes

- Energy demand and carbon emissions
- Local policy requirements relating to energy and carbon reduction
- Feasibility study of the technologies
  - Solar, Wind, GSHP, Biomass, CHP
  - Site requirements and realistic level of use
- District heating
- Decentralised and small-scale centralised low and zero carbon technologies
- Cost analysis for achieving 10% policy
- A report to meet your requirements



# Biomass, RE & EE Support Services

Organisation	Services offered	Contact Details
Biomass Energy Centre	Lots of good background information on biomass fuels and technology. Grant information.	<a href="http://www.biomassenergycentre.org.uk/">http://www.biomassenergycentre.org.uk/</a> Tel: 01420 526197
Creative Environmental Networks Biomass Team	Development specific support regarding integrating biomass into your site, sizing plant room and fuel store, calculationg carbon offset and achieving best value installations.	<a href="http://www.cen.org.uk/biomass/">http://www.cen.org.uk/biomass/</a> Tel: 020 8683 6661
South East Wood Fuels	Development of biomass fuel supply across the region. Advice on and coordination of fuel supply chains.	<a href="http://www.sewf.co.uk/">http://www.sewf.co.uk/</a> Tel: 01273 440943
Support Service	Services offered	Contact Details
London Renewables Toolkit	Whilst the toolkit is focused on renewable energy, the Toolkit includes valuable information on energy efficiency in section 3.2, page 22.	Greater London Authority <a href="http://www.london.gov.uk/mayor/environment/energy/london_renew.jsp">www.london.gov.uk/mayor/environment/energy/london_renew.jsp</a>
Planning, Policy & Developer Support Service	Impartial support to local authorities and developers in using the toolkit and assessing carbon reduction potential at new developments	Creative Environmental Networks: 020 8683 6617
Carbon Trust Design Advice	Provides sustainable energy design advice for developments	Carbon Trust: 020 7170 07000
Energy Efficiency Best Practice in Housing	Source for tools, guidance and training to "deliver the best in energy efficiency in housing".	Energy Saving Trust <a href="http://www.est.org.uk/bestpractice/index.cfm">http://www.est.org.uk/bestpractice/index.cfm</a>
EST's Practical Help	A free enquiry service providing up to 2 hours support (per enquiry) for local authorities and housing associations offering realistic solutions for promoting and implementing sustainable energy policies and measures to reduce CO2.	Practical Help 0870 241 2089
BREEAM	A methodology which assesses environmental performance of new and existing buildings. BREEAM applies a credit rating and certification to buildings based on their environmental performance.	Building Research Establishment 01923 664 000
NHER	The NHER is an energy rating scheme. Using a range of software, the NHER provides solutions to a number of aspects of home energy saving.	NHER <a href="http://www.nher.co.uk/e.shtml">http://www.nher.co.uk/e.shtml</a>
Energy Services	Energy Services offers expert advice and support for those wishing to set up energy services schemes including affinity deals, community-based energy services and residential CHP. Up to one free day consultancy is available.	The Carbon Trust 0800 58 57 94
The Green Register	List of sustainable construction professionals, training courses, events, forums and networking. Membership fees apply.	The Green Register 020 7820 3159
CHP Energy Services	Assessment and implementation of CHP projects and financing including ESCOs	Creative Environmental Networks 020 8683 6653

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