



# ***ENTRY CRITERIA AND GUIDELINES***

## **6. RUSHLIGHT BIOENERGY AWARD**

### **Award**

Awarded to the most significant achievement towards the commercial and consumer exploitation of different types of biomass or other organic material as a source of power in a sustainable way.

### **Background**

This category encapsulates the concept of exploiting organic material which has absorbed carbon dioxide in its growth as a source of energy and which returns the carbon dioxide to the atmosphere when the energy content is used. This covers both biomass and biofuels. The key issue is the embedded carbon footprint of the whole process.

It is comparatively recently that biomass schemes have evolved from localised plants to broader commercial arrangements. They help to address farm and forestry waste and are truly carbon neutral in the case of systems such as short rotation coppice. Installations can range from small domestic wood burners to large CHP schemes and power stations generating electricity for the national grid. For biofuels, there are opportunities to develop first generation technologies further as well as those for the second and third generation. One technological challenge is to develop a facility which can convert a mixture of sub-food-grade and food grade oils into quality biodiesel safely in volume. The technologies behind the use of jatropha, pongamia pinnata, cellulosic and algae processes will be followed with interest as they avoid the food vs fuel debate.

### **Entrants**

This category is intended to include both woody materials, such as forest products, untreated wood products and short rotation coppice, and non-woody materials such as animal waste, industrial and municipal products from food processing and high energy crops. This category is not intended to include composting, anaerobic digestion plant, biogas or energy from waste, although waste to energy facilities can often cater for biowaste.

### **Purpose of the award**

The award is designed to celebrate and publicise the significant achievements in developing the technology and innovation behind the harnessing of biomass and other

organic material as a source of power or fuel. This award can inform the consumer what is happening and what is available and so encourage the further development of and investment in the technology.

### **Specific criteria**

The key criteria that the judges will be focusing on are:

1. The importance and novelty of the innovation in addressing a specific issue ( /20)
2. The “cleverness” of the innovation, which may include either its simplicity or its complexity ( /20)
3. The evaluation of the innovation: the bigger the problem that has been solved or the greater the technology advancement that has been made the better ( /15)
4. Whether and how the innovation can be replicated, sold or multiplied to increase the beneficial effect for society ( /15)
5. Evidence of the efficacy or effect of the innovation ( /10)
6. The holistic impact of the innovation on the environment. ( /20)

### **Entry form**

The Entry Form has the following sections to be completed:

- **Summary:** This is where you set out a synopsis of what the process or technology is and does. This summary will be used as the descriptor should you be shortlisted
- **Project status:** This is where you explain the stage that the project, innovation or technology has reached.
- **Description:** Please set out under this heading as much detail as you can to make the technology development, innovation or process understood. You can include confidential and commercially sensitive information here and it will be treated as such, provided you mark it as being sensitive.
- **Innovative aspect:** This is where you explain the really clever bit. How have you addressed the problem or avoided the issue or organized the process? Again, please mark “commercially sensitive” or “confidential information” accordingly.
- **Benefits:** This is where the evaluation of the concept will be made. Please include in here as much evaluated detail of the benefits as possible. Examples include some sense of financial benefit, cost savings, price adjustments, expected or achieved sales effects, greenhouse gas emission reductions or other directly attributable benefits of the process or technology. Third party verified data is especially valuable.
- **IP ownership:** Set out here who owns what patents associated with the technology and clarify precisely the development that has been achieved by the applicant organization(s).
- **Additional information:** No form can cater for all eventualities and so this provides space for further explanation or details.

Lastly, if the form does not provide enough space or the questions are not directly relevant, then please send further material as an attachment to your entry email. Up to two attachments can be sent, each one no more than 5Mb in size.