



## ***ENTRY CRITERIA AND GUIDELINES***

### **11. RUSHLIGHT FOSSIL FUELS AWARD**

#### **Award**

Awarded to the technological advancement or innovation that has made a significant contribution to the reduction in environmental impact of fossil fuels, including carbon capture and storage.

#### **Background**

Fossil fuels will have a role to play in the provision of power and fuel for many years, even taking into account peak oil theory and the onset of renewables. The UK is starting another dash for gas to replace the coal-fired power stations coming offline in the next few years. Shale gas is being proposed and continues to be exploited in countries such as the US. The continued improvement in environmental performance of fossil fuels is therefore to be encouraged. The position for carbon capture and storage (CCS) is still uncertain, although the need for it at the very least to decarbonise industry is clear. With all new fossil fuel plant from 2020 and existing coal-fired plant from 2025 in the EU requiring CCS, there is a clear need for the technology to be sufficiently advanced to meet these requirements. Where once gas flaring was the norm, GTL technology provides a way of monetizing and capturing remote natural gas without carbon emissions. Despite the obvious environmental benefits of GTL, a project is only currently viable if the other parameters, eg gas price, logistics, field size, infrastructure and fiscal regime, fall into place. Methane is still being collected from active (coal mine methane CMM) or closed (abandoned mine methane AMM) coal mines and used as a fuel source or ingredient for the chemical industry. It is also being extracted from unworked coal seams (coal bed methane CBM).

#### **Entrants**

This category is open to any organization that has developed a technology or an innovation that has reduced the impact that the processing of fossil fuels has on the environment. It can therefore include carbon capture and storage, coal, gas, shale, tar sands, oil, CMM, AMM, CBM etc and can cover aspects of extraction, combustion and distribution.

#### **Purpose of the award**

The award is designed to celebrate and publicise the significant achievements in developing new and existing technologies which reduce the impact that the extraction, processing and use of fossil fuels is having on the environment. It can also inform the consumer about what is happening and what the options are and so encourage the further development of and investment in the technologies so that carbon emissions continue to be reduced from this fuel source.

### **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.