

# COMMERCIALLY CONFIDENTIAL



**Closing date Tuesday 16 March 2010**

Renewables East would like to engage the services of a consultant/company with the expertise and knowledge to provide support for development of a novel solar thermal water purification concept.

## 1. SUMMARY

**Renewables East** (“**RE**”) is engaged in programmes with the East of England Development Agency (EEDA) to accelerate the route to market of very early stage renewable energy technologies, increasing both the quantity and quality of investable concepts capable of growing across the two regions.

## 2. Background

The Renewable East Technology Acceleration Scheme helps entrepreneurs, businesses and other technology developers create successful and innovative renewable energy solutions. It does this by providing early-stages funding and other support to help ideas reach a level of development and credibility at which other significant funding options become viable.

The general objectives of the scheme are to:

Increase the strength of the renewable energy engineering and service sector in the East of England.

Help adoption of renewable energy technologies by producers and consumers in the region.

## 3. About Renewables East

Renewables East is a private company delivering the services associated with being the renewable energy agency for the East of England. The Company is funded by the East of England Development Agency (EEDA) and officially designated as an EEDA sister organisation. For the year 2009/10, RE has been allocated in excess of £2m from various sources including EEDA, ERDF and central government to continue its mission.

The objectives of the Company are:

a. To enable the East of England to meet its adopted target for the production of energy from renewable resources, within the context of national energy policy and the need to move towards a lower carbon economy; and

b. To maximise the rate of growth of the renewable energy sector and the economic benefits to the region, especially through stimulating investment and job opportunities, supply chain development and innovation.

Renewables East's primary work areas are Bioenergy (Biomass and Biofuels,) Offshore/Onshore Wind, Planning, Supply Chain Development and the Mass Market Renewables agenda. If you have not already done so, you may find a visit to our web-site useful [www.renewableseast.org.uk](http://www.renewableseast.org.uk).

#### **4. Scope of Work**

##### **Summary Activity**

To develop a computer programme to allow the annual energy output of solar panels in different geographical locations to be determined.

To provide and input information from at least 3 globally dispersed weather stations to provide historic annual sunlight energy profiles.

##### **Description**

A new solar thermal concept allows storage of heat in an energy store during intermittent sunshine conditions. It is anticipated that a measure of the overall thermal performance can be acquired so that the total heating capability during a 10 minute period at various times of the day in different geographical locations can be determined.

##### **Deliverable**

A computer programme/spreadsheet that combines historic weather station data (from 3 locations) with panel efficiencies (to be supplied by the innovator) and hence calculate the energy collected over a day, month, or year for any input location.

#### **5. Written Quotations**

Please send a written response on:

- A maximum of two pages summarising delivery and facilities to deliver scope of work
- Details of daily/hourly rates, expected expense levels and current location.

by e-mail to [johnheath@renewableseast.org.uk](mailto:johnheath@renewableseast.org.uk) Responses are to be submitted electronically and must be received by Renewables East no later than **1200hrs on Tuesday 16 March 2010**

#### **6. Restricted and Commercially Confidential**

PLEASE NOTE THAT THE INFORMATION CONTAINED WITHIN THIS TENDER DOCUMENT AND ASSOCIATED DOCUMENTS IS NOT IN THE PUBLIC DOMAIN AND REMAINS COMMERCIALY CONFIDENTIAL. THE INFORMATION IS NOT TO BE USED FOR ANY PURPOSES OTHER THAN TO RESPOND TO THE TENDER.