

Model Eco Home Tender

(1) Introduction

Energy Sussex Coast, Rother Environment Group and Transition Towns Hastings Energy group are seeking to commission a skilled craftsman or artist to create a mobile eco home, designed to engage people in understanding and imagining energy efficiency and renewable energy measures. This will be part of the “Energy Caravan” – an electric van which pulls along the model eco home.

Energy Sussex Coast is a local not for profit energy Co-operative. The Rother Environment Group and Transition Towns Hastings Energy groups are local volunteer groups working on environmental issues.

(2) Context / Background

The model eco home is being part funded by the Sussex Community Foundation, Manning Duffie Architects and the EU LOCASE funding.

Engagement activities will range from: community events where people can find out more about how to make their home more eco friendly, to the direct recruitment of households that want to install energy efficiency/ renewable energy generation measures.

The model eco home will be taken along to community events, where it will act as an engagement and learning tool. It will be positioned in a variety of places from outdoor spaces such as car parks, greens, the seafront to indoor spaces such as halls, where it is possible to fit it through the doors.

The maker commission creates a useful community resource which will be shared between the communities of Rye and immediate surrounding area in a first instance, then at a later stage Rother, Hastings and nearby rural areas.

(3) The Maker Commission

The Mobile eco Home commission offers the opportunity for a maker to immerse themselves in the field of eco homes and renewable energy / energy efficiency technologies and to create a new work in response to this agenda.

We are seeking to commission a maker to create a mobile engagement tool that will engage people in eco homes and raise awareness of how we can save energy in our homes. The mobile tool must be able to be used / animated by the project team to prompt conversation around the future of homes / energy saving and to share information about how people can take action in their own homes.

The mobile eco home will be towed by an electric van.

Specification

The Mobile Eco home Home:

- Must have a total weight of no more than 430kg including the trailer. Please note extra equipment can be transported in the van and added to the home when it has arrived at its location if needed.

- Should be based on the enclosed design by local architects, who are members of the Transition Energy group and the Rother Environmental Group respectively (the designers will be available to work with you on the design and advise on materials).
- Must be safe on the roads.
- Must be able to withstand rain and wind.
- Must be safe for members of the public, including children, to explore and use.
- Must be robust and durable.
- Any electrical items must be safety tested.
- It should be fun, interactive and make a visual impact on the street.
- Should have space within it/ next to it for learning and project promotional materials that help people discover more about eco homes, energy efficiency retrofit options and renewable energy.
- The model eco home should be ready for events from winter 2018-19. It will be used for years to come.

The model eco home should include either actual or representations of the following technologies:

- Solar panel (working)
- Roof and floor insulation
- Cavity wall insulation
- Different types of heating systems, including air source or ground source heat pumps
- Draught proofing
- Representation or incorporation of double/ triple glazed window
- LED lighting
- SMART meter

The eco home should be made/ part made in Rye or surrounding area.

We are particularly looking to commission makers with skills and experience in some of these areas:

- Carpentry
- Design
- Games and playful approaches to engagement
- Engaging and collaborating with local people and communities

(4) Fee and Support

There is a budget of up to £4,500 for this commission, including: maker fees, materials and any other expenses.

The project group will be on hand to work collaboratively on creating the work. Volunteers will be available to help make it if needed. We have some materials available e.g. styrofoam

The structure design is available and the designer is on hand to adapt it and advise on materials.

(5) To apply

If you are interested in this commission, please make a submission in a single Word or PDF document outlining the following:

- Outline a project or work that you have made which demonstrates why you would be suitable for this commission in no more than 300 words.
- Outline what you propose to make for this commission, please include a headline budget breakdown, in no more than 500 words.
- Outline the timeline for completion.

(6) Assessment

- All submissions will be scored on how well they meet the specification.
- The cost of the project.
- How soon the work can be completed.

(7) Timeline

Send your submission to: kate@energisesussexcoast.co.uk by end of November 18.

Completion of build ready to use for winter 2018-19

(8) Contact

If you would like any further information about this project or have any

Questions email kate@energisesussexcoast.co.uk