

Clean Energy Day at Welney Wildlife Trust: Working renewable energy model competition

Welney Wildlife Trust will host the Clean Energy Day on February 3rd, 2007, with displays, seminars and books and a mini trade fair. Part of the programme will be aimed especially at School pupils in year 7 to 9 (Key Stage 3 Unit 7I; Electrical Circuits, Energy and Electricity), and includes a renewable energy model competition for secondary schools or pupils to be judged during the day.

Can you make a model move or a light bulb glow using non-human, non fossil fuel or battery energy?

You can use a non-human source - animal, wind power, solar power, or biofuel.

Option 1: Make a model vehicle move.

Option 2: Make a light bulb glow.

£100 prize towards your school's Green Energy Project, equipment, etc.

Please submit working models to "Clean Energy Day", ADAS Boxworth, Battlegate Rd. Boxworth CB23 4NN no later than 26th January 2007

(note to teachers: the model should show at least two energy transfers ..e.g. an animal powered generator would demonstrate food to kinetic energy and kinetic to electrical, while a solar powered car is light to electrical and electrical to kinetic. The model will be judged on performance and feasibility).

Clean Energy Day at Welney Wildlife Trust: “Farming for Fuel” Picture competition

Welney Wildlife Trust will host the Clean Energy Day on 3rd February 2007, with displays, seminars and books and a mini trade fair. As part of the day we are running a picture competition for primary school children.

How can you make a light bulb glow or move a vehicle, using fuel or food grown on a farm or in the countryside. Draw us a picture.

Pictures should be sent to “Clean Energy Day”, ADAS Boxworth, Battlegate Rd, Boxworth, CB23 4NN to arrive no later than 26th January 2007. Photographs of all the pictures will be displayed during the day and the prize will be presented to the winning school.

£50 prize towards your school's Green Energy Project, equipment, etc.

(note to teachers: the drawing should be an inventive way of using food or fuel grown on the farm to make a vehicle move, or make a light bulb glow, so it is not a fossil fuel source. For example children could eat bread from wheat and then use a bicycle to light a bulb, or burn wheat straw in a power station to power lights in a house. We would like to see each stage from the field to the final use in the picture. The pictures will be judged on clarity of illustration and the concept involved).

The Venue - Welney Wildlife Trust

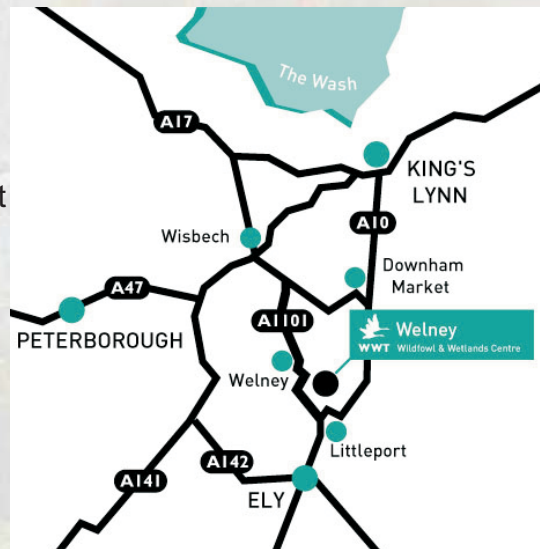
The dramatic wetlands at Welney, just north of Ely, on the Ouse Washes, are home to some of the most spectacular winter gatherings of wild swans. Reserve reports on the internet at <http://www.wwt.org.uk/visit/welney/news.asp> keep you up to date with the wildlife you might see.

Welney Wildlife Trust has a new eco-friendly two story building hosting the Clean Energy Event and contains the exciting "Fenland Worlds" exhibition.

The new building has many green features:

- Ground source heat pumps for low cost space heating
- Energy-efficient ventilation systems
- Waste paper insulation wood and other resource friendly building materials
- Rainwater collection from the roof used in toilets and habitats.
- Sunlight powered (photovoltaics) car park signs
- Sustainability trail and fun, learning activities

WWT Welney is located 12 miles north of Ely, 26 miles north of Cambridge and 33 miles east of Peterborough



Clean Energy Day has been sponsored by Natural England and is presented by ADAS and the Energy Saving Trust



Clean Energy Day



Family day out

**Exhibitions of wind, solar power
and crop fuelled power**

The "Green Energy Machine"

Seminars of interest to all

School renewable energy model competition

Watch swan feeding

Wigeon Café and shop

Saturday 3rd February 2007

Welney Wildlife and Wetlands Trust
WWT Welney
Wildfowl & Wetlands Trust
Hundred Foot Bank,
Welney
Wisbech
PE14 9TN

Admission - free



event organised by Adas Boxworth, tel: 01954 268266

School competitions

Secondary school pupils, and science clubs have been invited to enter the competition

"Run a machine by renewable energy"

Models will be on display.

Primary schools have been invited to draw a

"Farming for Fuel" picture.

Prizes will be presented for the winning Schools' "Green Energy" Project during the day.

Clean Energy is an important part of school children's curriculum, through primary and secondary school. Clean Energy Day will provide lots of information to feed back into school work.

Clean energy displays

Mini trade fair

Architecture: for sustainability and energy conservation

Sunlight and ventilation

Wood burning appliances

Solar power for hot water and energy

Wind turbines

Books and information

Seminars

The seminars will be running during the day and are pitched to young people; topics include:

- Farming fuel
- Climate change, carbon management and water resources
- Consumer power your home and renewable energy generation
- The future is in your hand.

The Green Energy Machine

The Green Energy Machine is a mobile van with working renewable energy displays

Wind power:

350 watt wind turbine

Sun power:

Solar water heating demonstration

800 watt photovoltaic display

Solar fountain

Solar bike