

Delivering the Warwickshire Climate Change StrategySteering Group Meeting

Fri 6<sup>th</sup> June 2008 9:30 for 10:00 till 13:00  
Montague Road Training Room, Warwick

**Minutes****1. Welcome, Present, Introductions, Apologies****Present**

Dr. Jacky Lawrence (WCC)	Gillian Squires (WCC)	Professor Tony Marmont (Beacon Energy Ltd.)	Dave Passingham (Stratford Climate Action Network)
Lynne Roscrow (Carbon Trust)	Derrick Knight (Climate Change Solutions)	Mike Woolacott (ATI Projects Ltd., GreenWatt)	Cindy Musgrave (Encraft)
Alex Patterson (Stratford-upon- Avon College)	David Jullien (WEEAC)	Li Fu (University of Warwick)	Dr. Bob Waters (Coventry University)
Nick Hillard (University of Warwick)	Bernard Perkins (Leamington Transition Towns)		

**Apologies**

Richard Hicks (WDC Action 21)	Stephen Marks (Rugby Borough Council)	John Barnham (Orbit Heart of England)	Steve Maxey (NWBC)	Rod Wilkinson (Severn Trent)
Brent Davis (NBBC)	Dawn Ford (NBBC)	George Martin (Willmott Dixon)	Bob Bullock (Warwickshire Police)	

**2. Minutes of last meeting**

Agreed

No matters Arising.

**3. Warwickshire Climate Change Strategy – Communications**

- **Progress Reporting**

- i. **Actions from last meeting**

**ENERGY****BIOMASS**

BP put in bid to AWM and awaiting response. BP

Wood fuel depot at Offchurch has opened and 200t of wood due to be delivered. JL to find out what total tonnage expected is likely to be. JL

Kingsbury biomass boiler has been installed after a few teething problems. JL to report back on how often fuel needs to be delivered. JL

NH interested as any future biomass proposals for Warwick University would have to take on board major vehicle congestion on campus.

**ANAEROBIC DIGESTION**

HRI AD bid submitted but no update provided yet. NH to circulate update when received. NH

Encraft has carried out a feasibility report for a local Fillongley butcher but there does not seem to be any funding available to take the project further at the moment.

**SWITCH IT OFF CAMPAIGN (SIO) 2008**

GS reported that 08 campaign will focus on internal WCC staff but will continue to work with individuals, groups, businesses and other organisations. Chamber of Commerce have agreed to sponsor a business competition.

All to get in touch with [climatechange.warwickshire.gov.uk](http://climatechange.warwickshire.gov.uk) if they have an idea for a project to offer to businesses.

SIO work (Universally Challenged) with Kenilworth High School will support the Kenilworth Initiative on Climate Change. EC

NH noted that Warwick Uni's Student Switch Off included a competition to find the best face book entry.

Could Carbon Trust provide free consultancy for SMEs who take part? LR  
For example, to offer a funded survey to look at usage, meter readings, consumption reduction, etc. LR explained that CT can work with companies that have a minimum energy spend of £50k/yr. LR to check if/how CT could help SMEs with spend of less than £50k/yr.

DK suggested a conference to encourage SMEs to look at energy conservation. MW suggested a competition within one industrial estate, with aim of using winner as a case study. Could use Hub as a demo project to look at logistics, transport, waste, etc. JL noted that

WCC's Business Environmental Advisor, Stephen Lewington, had successfully bid for £130k BREW grant to extend WCC's business resource efficiency clubs.

JL invited by Energy Institute to speak about the SIO campaign at the EI's inaugural Energy Week at start of July. JL

## **RENEWABLES RESOURCE ASSESSMENT**

### ENERGY TRAILS

BP outlined progress on energy trails project, including social history aspect. BP has database of old windmills and is hoping to map them and compare to current wind data. May be helpful when choosing sites for community-led projects.

### WCC renewables

JL explained that WCC has some funding to look at renewable energy on its own estate and would like to explore potential for large-scale wind resource. Anemometers for smaller turbines also due to be installed at Epic in Nuneaton and Barrack St Offices in Warwick.

### Other projects

TM reported that Groundwork Leicester is installing 2MW wind power mixed between small and large sites. Loughborough is looking to set up a community-owned 2MW scheme with dividends being shared with local people.

## **PHOTOVOLTAICS**

### Harborough Cottages

PV panels are due to be installed at Harborough cottages. Encraft is co-ordinating the project, which will provide 12KW peak electricity and should provide 10,000 kWhrs approx, saving 4.3t CO2 per annum. This equates to roughly £1000 saving per annum. CM to report back on which company the electricity is to be sold to. CM

### Epic

BW fed back on a student project that has been looking at performance of arrays from PVs at Epic. Have been recording data since Oct 07 and have found that inverters weren't working properly. Would like to continue project to get at least one year's data but requires more funding. The project has highlighted the need for standardised procedures for monitoring, maintenance and repair.

## AWM HEAT MAPPING STUDY

New report out from AWM that provides heat demand per LA area to work out potential for CHP across West Mids. However, there are some concerns about the figures used and report authors are to look at this again. GS to add report to Partnership webpages.

GS

Discussion on cost of CHP versus energy from grid. With CHP there is 90% utilisation, whereas from the grid there is 60% loss. NH invited Partnership to visit Warwick University to view CHP and absorption chilling. Have invested £300,000 on a thermal store this year. Trip to be organised after AWM amendments to report made.

JL/NH

## TRANSPORT

JL invited new project ideas under this theme as aware that few projects exist at the moment.

### Synthetic fuel

TM outlined new research to manufacture liquid fuels from CO<sub>2</sub> and H<sub>2</sub> via a Fischer-Tropsch (FT) reaction route. A patent has been filed for the key step of extracting CO<sub>2</sub> from the air to produce a feedgas for the FT process. If CO<sub>2</sub> extraction from the air can be developed economically then, combined with unlimited amounts of hydrogen from water electrolysis and with the two processes driven by renewable electricity, the result would be carbon neutral fuels available in unlimited amounts. The process has been proven but further research is required on the mechanics of the process. TM suggested a consortium project with Birmingham, Warwick and Loughborough universities working together. Could apply for substantial funding from Energy Technologies Institute but expression of interest needs to be submitted by autumn 08.

### Stoneleigh National Demonstration Project

MW noted that having Stoneleigh as the National Demonstrator for low carbon technologies would provide a useful opportunity to focus on low carbon transport. Leicestershire also keen to get involved in national demonstration project. All agreed that it would be useful to have them on board.

### Lift Share Initiative

Warwick Uni has just launched a lift share initiative and keen to tie in with other areas, possibly West Wood? Key thing is to measure performance. JL outlined WCC's car share database. NH to contact Nicola Small at WCC.

NH

### Web conferencing

BP looking at web-based technology to reduce need to travel.

Discussion on limited success of various initiatives.  
Sub-group to meet to look at various solutions to transport.

MW, BP, TM, JL

## RESOURCE EFFICIENCY

### FISCHER TROPSCH

MW outlined that the Fischer Tropsch project was submitted as part of Intelligent Energy Europe programme. Was working with NISP and organisations in Hungary and Sweden. It did not get through the first round but MW is encouraged to resubmit it. All to suggest suitable companies and organisations to approach for letters of support. MW to send through proforma letter to GS who will set up a webpage for requests for help.

All  
MW

Further info on the process as below:

<http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/16A5A251A02EE2E080257304003BD582>

## ADAPTATION

### ECOHOMES

North Warwickshire Borough Council is working with Waterloo Housing Association to include eco-measures in the refurbishment of local houses at Hill Top, near Arley. The 100 year old houses will be retrofitted to include solar thermal and photovoltaics to provide hot water and electricity respectively, new boilers and top specification insulation. GS to continue to liaise with DB at NWBC about doing case study on progress and final outcome.

GS

All to send useful data for the eco-home pages on the partnership web site.

<http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/7751BB170FD17E7B802573B5003B194F>

<http://www.ukgbc.org/site/home>

### COMMUNITY BUILDINGS

JL awaiting response from planning colleagues.

### LCLIP

Lili Fu has begun working on this as part of a twelve week placement at WCC. So far she has carried out a media trawl and found that the

number of extreme weather events (flooding, heatwaves, etc) has increased between 2003 and May 2008, affecting a number of Warwickshire sites. Lili will be liaising with LAs, public sector organisations and other stakeholders to discuss how their services have been affected, how much it has cost and what plans, if any, are in place to deal with future risk.

MW to provide details on last year's flooding in Alcester, where previously installed alleviation measures caused problems further north. All to email any other information to lifu@warwickshire.gov.uk

MW

All

## COMMUNICATIONS & EDUCATION

### POTENTIAL CASE STUDIES

All to highlight projects that could be written up as case studies.

All

### POWER ACADEMY

Need to find out about any progress. Prepare briefing paper or arrange talk.

JL

### ENVIRONMENTAL / CLIMATE CHANGE ART EXHIBITION (causes, consequences, solutions)

More than 150 individual pieces of art have been submitted to the competition, which has been organised to co-incide with the second birthday event. Exhibitions have been arranged for Rugby, Nuneaton and Whitnash libraries as well as Shire Hall antechamber. The exhibition will move to Stratford Art Gallery in September. Kenilworth Initiative on Climate Change may be interested in having exhibition during August.

MW to contact Canon re their photographic exhibition – possibility to link in? EC to investigate possibility of having winning art submissions incorporated into a Royal Mail stamp. DK to ask Tony McNally about Earth from Air exhibition. GS to pick up Earth from Air calendar from TM.

MW

EC

DK

TM

### PROJECT APPRAISAL TOOL

JL has had some comments from partners but the tool is still under development so would welcome more feedback. JL to fix dates for individual meetings with BP, GM, MW, CM and DJ.

JL

## **CARBON MANAGEMENT ACTION PLANS**

[http://www2.warwick.ac.uk/about/environment/carbon\\_mgt\\_year\\_1\\_report\\_-\\_final.pdf](http://www2.warwick.ac.uk/about/environment/carbon_mgt_year_1_report_-_final.pdf)

## **CARBON FOOTPRINTING**

BP sent tool to JL.

<http://www.encraft.co.uk/ws/P/Calculators/HomePage.php>.

Action21 looking to run footprinting project with Warwick District residents (approx 40,000 households) and seeking funding for co-ordinator's post.

## **STRATEGIC**

### **WARWICKSHIRE CLIMATE CHANGE STRATEGY REVIEW 2008**

JL requested everyone to fill in the two questionnaires and return by end of June. There was a brief discussion on the citizens' panel results, with all agreeing that it was useful evidence for future planning submissions.

NH felt that the Partnership needs to focus on big projects giving big CO2 reductions.

### **ii. Requests for help / Barriers to progress / previously unidentified projects**

#### **ENERGY MANAGER GROUP**

GS asked for suggestions for agenda items. *Addendum: Group to meet on Thrs 4 September at Nuneaton & Bedworth Borough Council.*

#### **COMMUNITY ENGAGEMENT**

JL noted that a local Rugby Hindu group are holding a culture day and have requested climate change talks/activities. This is the first time WCC has been asked to support an ethnic community group of this size and may present a good opportunity for anyone wishing to engage with this cultural group.

#### **COMMUNITY BIODIVERSITY PROJECT**

Sustainable Action Stratford working with Stratford DC, WCC, WWT and Orbit Housing Association on a community biodiversity project. Currently seeking funding from Natural England for an officer to set

up biodiversity groups in local communities around Stratford, with funding emphasis requiring this to be in deprived areas.

### **DEFRA BIO-ENERGY CAPITAL GRANT SCHEME**

There have been few project submissions from organisations in the West Midlands so may be worthwhile applying for those with specific ideas. Next round is due in Sep/Oct 08 and projects can fit industrial, commercial or community theme. The grant will pay for up to 40% of the difference of installing a conventional boiler. All to contact MW or BP for help/support if thinking of submitting a proposal. All

### **iii. Monthly Events update / Community Newsletter**

GSq to continue to send out a business biased monthly (last Friday in the month) email with links to news and events. All to send GSq details of climate change related events they wish to promote. All

Forthcoming events on the web.

<http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/9299E73767C15FE5802572E10056792E>

News on the web.

<http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/DBF63CEB1F23786A802572FD004E8B06>

EC continues with the monthly community biased monthly climate change newsletter. All to send EC a paragraph and photo of any community story they wish to promote. All

As of 8<sup>th</sup> June 2008.

- ❖ There are 102 web pages on the Climate Change Partnership site.
- ❖ The web pages received an average of 7,000 hits per month during the first three months following their launch in July 2007.
- ❖ There are 224 people on the contacts database who get regular (at least monthly) communications including news, events and steering group minutes.
- ❖ These people represent 107 different organisations.
- ❖ 22 of these people are active members of the Steering Group.
- ❖ A separate group of 67 people have signed up to receive the monthly climate change community newsletter (plus all staff in community protection).
- ❖ There are 48 main Climate Change project areas captured in the Climate Change Action Plan: 16 Energy; 6 Transport; 6 Resource Efficiency; 6 Adaptation; 10 Communications & Education and 4 Strategic projects.
- ❖ There are 97 separate partners listed in the action plan as having been or who are currently active.

#### iv. Case Study Reporting

Carbon Reduction reporting interviews / case study meetings have been undertaken for:

October / November 2007: University of Warwick, Encraft, National Grid, WCC Sustainable Travel Team, Nuneaton & Bedworth BC.

December 2007: Rugby BC, George Eliot Hospital, WCC Energy Manager.

January : Warwickshire Police,

February / March: WDC (tbc), Stratford DC

April/June: WEEAC and Stratford College approached. Awaiting response.

#### v. Annual Review

A simple pro-forma used for Annual Review case studies has been added to the web site at:

<http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/DC897DE8989651A1802572E2004B2047>

WARWICKSHIRE ENERGY STATISTICS 2007

Second statistics report available on the web.

[http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/179A6CB293ABC771802572E2005A2B26/\\$file/Statistics+Report+March+20<sup>th</sup>+2008.pdf](http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/179A6CB293ABC771802572E2005A2B26/$file/Statistics+Report+March+20<sup>th</sup>+2008.pdf)

All  
JL

SECOND BIRTHDAY CELEBRATION (July 2008)

At Eon Hq at Westwood Business Park, Coventry. Invitations to follow.

#### 4. Action Plan Progress – (green reporting – any update notes to be sent by email before steering group meeting)

The Strategy is on the web site [www.warwickshire.gov.uk/climatechange](http://www.warwickshire.gov.uk/climatechange)

News, events and details of the Action Plan appear on the Partnership pages

<http://www.warwickshire.gov.uk/climatechangepartnership>

#### 5. Funding Opportunities

Link to the Building Sustainable Neighbourhood Environmental Action Fund for community and voluntary groups.

<http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/A06791133225F0668025739C003A8C82>

See the community funding page on the web

<http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/5BF5779B892DD02A802573FB003C19DC>

## **6. Any other business**

A reminder to look at the events page of the web site.

All

<http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/9299E73767C15FE5802572E10056792E>

A reminder to all to send in updates for the action plan.

All

## **7. Date and venue of next meetings**

**5<sup>th</sup> December 08**

**Venue: Montague Road Training Room, Warwick.**

Montague Road Training Room, Warwick.

Peter Baynham of Eon has offered to host one of our future meetings at Eon, Westwood Business Park, Coventry.

Alex Patterson (01789 417336) of Stratford-upon-Avon College has also offered to host one of our future meetings.