

Delivering the Warwickshire Climate Change StrategySteering Group Meeting

Fri 7th September 2007 9:30 for 10:00 till 13:00
Montague Road Training Room, Warwick

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

David Jullien (WEEAC)	Stephen Marks (Rugby Borough Council)	Richard Hicks (WDC Action 21)	Jacky Lawrence (WCC)
Brent Davis (NBBC)	Bernard Perkins, Craydene Associates	Penny Holmes (WRAP)	Gillian Rutledge (WCC)
Nick Hillard (University of Warwick)	Emma Clarke (WCC)	David Baxendale (NWBC)	Bill Johnson (WCC)

Apologies

Professor Tony Marmont, Beacon Energy Ltd	Simon West (Forestry Commission)	Bill Mahoney (CTC Energy)	Cllr Heather Timms (RBC / WCC)	Simon Helmer (Carbon Trust)
John Carrier (Shell)	Robert Bullock & Sue Simmonds (Warwickshire Police)	Steve Maxey (North Warwickshire Borough Council) – his last day at NW	Trevor Floyd (Tenby Consultancy Group)	John Simkin (Pick Everard)
Cllr Martin Heatley (WCC)	Terry Dix (ARUP)	Peter Baynham (Eon UK)	Ewan Calcott (Forestry Commission)	Matthew Rhodes (Encraft)

2. Minutes of last meeting

Agreed.

No matters arising.

3. Warwickshire Climate Change Strategy – Communications

- **Progress at Steering Group meetings**

At the last meeting, it was agreed to move to exception reporting (red / amber reporting) for problem solving within the group and when seeking assistance over specific projects.

It was agreed that we also take the opportunity through identifying 'Missing Projects' to inform the group of other projects known about but not yet appearing on the Action Plan.

- **Requests for help / Barriers to progress / previously unidentified projects**

ECOHOMES

DB reported that North Warwickshire BC are at the concept stage for developing an eco-home and want to know of any work on this subject in the County (refurbishment of old house and the use of ground source heat pumps).

DJ reported that SWAHA have eco – homes. DJ to seek further DJ information.

SWAHA (John Cross or Andy Jones) have also been involved in an eco-schools projects where students designed a house of the future. JL to ask Barbara Golding (WCC eco-schools officer and Sustainable JL Development in Education lead) and others for further info anyone is willing to share. WDC Action 21 have had an interest in this area in the past. JL to contact Steven Coulsting for further info. JL to send details of Wolseley case study to DB. JL to send DB pdf of the WM Sustainable Housing Action plan.

NWBC POTENTIAL CASE STUDIES

DB reported the work that NWBC were doing which would make good case studies:

- Climate Change Action Plan
- Carbon Management Action Plan
- Investment in energy efficiency (old lights, PC' screens, insulation, small-scale CHP, pool covers).

BIOMASS

BP was interested in addressing the issue of how to get specifiers of heating equipment to get them to specify biomass heating through increasing their knowledge of it.

SM reported that the RBC planning policy requiring new developments to have 5% of on-site energy demand met from renewables is helping

stimulate demand.

NH reported that the University of Warwick are installing £300k worth of biomass tri-gen (CHP / absorption chilling) equipment into the 1 MW district heating scheme. HRI have a climate change focused research group and are working on anaerobic digestion and biomass fermentation. They have approached Greenfinch to look at what to do with their food waste.

NBBC may be able to help provide figures on how the economics of gas CHP compares with biomass CHP. BD

BP says his economic appraisal work has shown that gas condensers are the cheapest option at a small-scale.

As more biomass is specified, we will need to create a Warwickshire network of fuel providers.

RENEWABLE ENERGY / LOW CARBON TECHNOLOGY INVESTMENT CRITERIA (BALANCED EVALUATION CRITERIA)

The biomass discussion led to an agreement that we need to develop robust criteria for investment in individual schemes beyond financial only criteria (for projects with a payback of over 5 years). The criteria need to take into account any payback and debt charge.

JL offered to put together initial appraisal tool for investment in low carbon technologies for others to comment. JL
All

SM offered to send RBC project matrix which includes environmental sustainability and social criteria and includes a weighting. SM

NBBC POTENTIAL CASE STUDIES

BD reported the work that NBBC were doing which would make good case studies: BD

- Installation of four CFL's in each void property and turning down thermostatic radiator valves.

Assume each CFL is on 4 hours per day * 365 days per year * an 80 Watt saving (100 W tungsten down to 20 W CFL).

One CFL would save 116.8 kWh per year. If one kWh is ten pence, then one CFL would save £11.68 worth of electricity and (if 1 kWh of electricity produces 0.43 kg CO₂ per kWh) 50.2 kg CO₂.

Four CFL's would save: 467.2 kWh per year, £46.72 and 201 kg CO₂.

BD

BD to provide numbers of CFL's in total given out per year.

- Installation of CHP in leisure centres and town hall.
- Major re-lighting projects in multi-storey car parks.
- The use of intelligent sensors.

WHOLE LIFE COSTING

NH asked the group what experience they have with Whole Life Costing. The group agreed that they would like to understand more about this subject, so Whole Life Costing and how to begin to move towards it will become an agenda item.

HOME COMPOSTING

PH asked the group to let her have suggestions of suitable venues for home composting talks – public events, private events, school fetes, community groups, supermarkets, garden centres, family centres. It may be possible to use the CVS weekly newsletter. Laura Vesty is the waste minimisation officer at WCC who can give advice on the Master Composter Scheme and more information can be found on the web site: <http://www.recyclenow.com/compost/> All

CLIMATE CHANGE ART EXHIBITION

EC asked the group to let he know of any suitable venues for a climate change art exhibition in July 2008. All

SWITCH IT OFF CAMPAIGN 2007

GR reminded the group that it was 'SIO' week during the last week in October and that the 'big switch off' was on November 2nd between 16:30 and 18:30. All to promote to colleagues. All

Teams will need to be identified for when the Universally Challenged event takes places.

ALADDIN PROJECT

RH to report next time on the new lamps for old project. RH

COMMUNITY BUILDINGS

DJ reported that WEEAC are working with 10 community buildings to make them become more energy efficient. Grants are available up to £2,500 towards carrying out their recommendations. DJ

DJ requested that anyone who wants to obtain a thermal image of their buildings to contact him as WEAAC now have a camera and photographer they can hire out at £300 per day. All

SM requested help from WEEAC on community buildings in Rugby. SM / DJ

EU ENERGY PERFORMANCE OF BUILDINGS DIRECTIVE

The group discussed the need to provide energy certificates for publicly accessible buildings and agreed that a sensible approach would be to share experience. BJ offered to contact each LA and find out how they were progressing this. JL to provide contact details at each LA. BJ
JL

- **Monthly Events update**

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

Forthcoming events on the web. All

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

- **Six-monthly Reporting**

The climate change team at WCC have begun to visit Warwickshire Climate Change Partners to see whether it is possible to develop a methodology to report on some of the metrics the steering group wish to report on.

- **Annual Review**

Gillian to put the simple pro-forma used for case studies in the annual review on the web site. GR

WARWICKSHIRE ENERGY STATISTICS

JL to send summary of the 2007 draft energy statistics report to NH, JL BP, DB, BD, DJ, SM, BJ and RH.

Second Birthday Celebration (July 2008)

The intention is to arrange for an exhibition of climate change art in July – see above.

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

News, events and details of the Action Plan appear on the Partnership pages <http://www.warwickshire.gov.uk/climatechangepartnership>

Action	Owner
Energy	
<p>1. Switch It Off campaign 2007, Switch It Off campaign 2008.</p> <p>This year's Switch It Off campaign will run during the week beginning Monday 29th October, with the Big Switch Off scheduled for Friday 2nd November between 4.30-6.30pm when Central Networks will monitor consumption at the bulk supply points. Lots of events are taking place. Further details are on the web site.</p> <p>http://www.warwickshire.gov.uk/switchitoff</p>	
<p>2. Biomass Market Development</p> <p>Link to the feasibility studies, biomass Heating Support Group Terms of Reference on the web site.</p> <p>http://www.warwickshire.gov.uk/biomass</p> <p>Biomass specifiers guide on the web.</p> <p>http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/96814BF6190147B3802572E20055054F/\$file/A+rough+guide+to+biomass+heating.pdf</p>	
<p>3. Mapping of Warwickshire's Renewable Energy Resources: Meet Warwickshire's Renewable Energy target of 136 GWhe by 2010.</p> <p>Warwickshire 10% Scenarios report on the web.</p> <p>http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/A1967A42DD43BEA6802572E20057781F/\$file/Warwickshire+ten+per+cent+report+final.pdf</p> <p>Wind speed map on the web.</p> <p>http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/A1967A42DD43BEA6802572E20057781F/\$file/warwickshire+wind+map.pdf</p>	
4. Eco Congregation Projects	

<p>Stratford Methodist case study on the web. http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/95E43C259F2808AD802572FB003D7717/\$file/Stratford+Methodist+Church+case+study.pdf</p>	
<p>5. Installation of Heat pumps</p> <p>Link to Hill Close Gardens case study. http://www.action21.co.uk/energy_case_study.html</p>	
<p>6. Procurement of Climate Change Levy Exempt / Renewable Electricity</p> <p>Link to WCC's Sustainable Procurement Strategy. http://www.warwickshire.gov.uk/web/corporate/pages.nsf/(DisplayLinks)/30E3B8F19726BAA480256DEF0057FB48</p>	
<p>7. Home Energy Efficiency projects</p> <p>Link to the Warwickshire Energy Efficiency Advice Centre. http://www.weeac.org/</p>	
<p>8. Community Energy Champions:</p> <p>Link to the University of Warwick Inter Halls Energy Champions. http://www2.warwick.ac.uk/institute/newsandevents/intnews2/energy_champions_international/</p>	
<p>9. Warwick Wind Trials</p> <p>Link to the Warwick Wind Trials web site. http://www.warwickwindtrials.org.uk/</p>	
<p>10. School Energy Projects</p> <p>Ecoschools web site. http://www.warwickshire.gov.uk/ecoschools</p>	
<p>11. EU Energy Performance of Buildings Directive (legal req)</p> <p>Link to Warwick Action 21 Environmental Champions project. http://www.action21.co.uk/environmental_champions.html</p> <p>This project is under development, to express an interest or have a chat about it, contact Michelle at Warwick District Council on 01926 456076 or e-mail michelle@action21.co.uk.</p>	

<p>12. Grants for Renewable Energy</p> <p>Link to Rugby BC renewable energy grants. http://www.rugby.gov.uk/site/scripts/documents_info.php?documentID=113&pageNumber=6</p> <p>Keith Sinfield case study on the web (solar thermal and PV) http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/95E43C259F2808AD802572FB003D7717/\$file/Keith+Sinfield+solar+renewables+case+study.pdf</p>	
<p>13. Develop 'Invest to Save' type schemes</p> <p>Cabinet at Warwickshire County Council agreed to set up and energy efficiency invest to save fund. http://www.stratford-dc.gov.uk/corporate/FwdPP.nsf/d5116a2c3a243b1080256b5d0041cec1/5bef12ccd08f8bc480256e23003490ea?OpenDocument</p>	
<p>14. Energy Efficient Lighting Projects in buildings, street lighting and traffic signals</p> <p>Link to Warwickshire's street lighting home page. http://www.warwickshire.gov.uk/web/corporate/pages.nsf/(DisplayLinks)/DE0CD679083B8D5D80256C4D00465E75</p>	
<p>15. Develop suitable delivery mechanisms for Warwickshire</p> <p>A possible approach to meeting Warwickshire's climate change targets could be the creation of a dedicated 'not for profit' company to lead on specific energy issues.</p> <p>Not for Profit Companies elsewhere:</p> <ul style="list-style-type: none"> • Energy Partnership (like Cornwall Sustainable Energy Partnership) – To have overall responsibility for co-ordinating the delivery of the vision set out in the strategy, to facilitate targets and maximise economic benefits. To act as focal point and brand image for renewables – Community Renewables Initiative (CRI) and energy efficiency and other sustainable energy objectives • Renewable energy partnership – to specifically facilitate delivery of renewable in Warwickshire • Hydrogen Partnership – to support initiation of hydrogen projects in Warwickshire 	
<p>16. Combined Heat and Power Projects</p>	

<p>Link to the Combined Heat and Power Association, Warwick University. http://www.chpa.co.uk/about_us/profiles/warwick_uni.shtml</p>	
<p>Transport</p>	
<p>17. Alternatively Fuelled Vehicle Projects</p> <p>Biodiesel case study on the web. http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/9BB A957F5FEB2E4D802572FD0056C19C/\$file/Biodiesel+Project.pdf</p>	
<p>18. Development and Monitoring of Business Travel</p> <p>Link to work based travel plans. http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/E8A 55CA86B64F6DE80256FDC0039CF04</p>	
<p>19. Reduce food miles and increase the amount of local food production</p>	
<p>20. School Travel Plans</p> <p>Link to school travel plans. http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/AF9 B2349832530D880256FDB00351108</p>	
<p>21. Establish fuel efficiency driving courses</p> <p>Anti-idling case study on web. http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/9BB A957F5FEB2E4D802572FD0056C19C/\$file/Anti+-+Idling+Campaign+2006.pdf</p>	
<p>22. Identify uses for the canal network in Warwickshire</p> <p>Link to Warwickshire canals. http://mysite.wanadoo-members.co.uk/heartofengland/canals.htm</p>	
<p>Resource Efficiency</p>	
<p>23. Increase the use of 'Smart metering'</p> <p>Bayton Road Smart Metering project case study on the web. http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/B73 E7DCC51542EE0802572FD0073F398/\$file/Bayton+Road+Energy+Metering+Project+Report+v3.pdf</p>	
<p>24. Implementation of Corporate Waste Minimisation Strategies</p>	

<p>WRAP (Waste & Resources Action Programme) work to increase the number of householders composting at home. Home composting reduces the volume of material entering the waste stream and diverts waste from landfill. Home composting rather than landfilling organic waste helps to reduce greenhouse gas emissions. Composting at home produces carbon dioxide, whereas organic waste in landfill produces methane, which is a far more potent greenhouse gas.</p> <p>Link to home composting web site. http://www.recyclenow.com/compost/</p>	
<p>25. Increase Business Resource Efficiency</p> <p>Bayton Road smart metering project on the web. http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/B73E7DCC51542EE0802572FD0073F398/\$file/Bayton+Road+Energy+Metering+Project+Report+v3.pdf</p>	
<p>26. Develop a Warwickshire Waste Partnership</p>	
<p>27. Increase recycling rates</p> <p>Goods Again project case study on the web. http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/B73E7DCC51542EE0802572FD0073F398/\$file/Goods+Again+Project+at+Onley+Prison.pdf</p> <p>Recycled roads case study on the web. http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/B73E7DCC51542EE0802572FD0073F398/\$file/Recycled+Roads+Project.pdf</p>	
<p>28. Improve heating efficiency</p>	
<p>Adaptation</p> <p>Climate Change Adaptation research report on the web. http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/245EAC2B55BC474A80257304005E192D/\$file/Warwickshire+Climate+Change+Adaptation+report.pdf</p>	
<p>29. Sustainable Construction Projects</p> <p>Terry Dix (ARUP) to have a progress meeting with DCLG to find out where they are on Energy Certificates (as there are still many unanswered questions).</p> <p>Wolseley case study on the web.</p>	

<p>http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/B73E7DCC51542EE0802572FD0073F398/\$file/Wolsely+2006+(2).doc</p> <p>Pride in Camp Hill case study on the web. http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/F3773FCFD21EF96C802573040057C4B8/\$file/Sustainable+Construction+Practices+--+Pride+in+Camp+Hill.pdf</p>	
<p>30. Sustainable Buildings Projects</p> <p>Link to the Sustainable Public Buildings web site. http://www.sustainablepublicbuildings.org.uk/</p>	
<p>31. Public Health Services in a Changing Climate</p> <p>Link to Health Effects of Climate Change report. http://www.dh.gov.uk/en/Publicationsandstatistics/Publications/PublicationsPolicyAndGuidance/DH_4007935</p>	
<p>32. Strategy Integration</p> <p>Link to Sustainable Housing Action Plan http://www.sustainabilitywestmidlands.org.uk/assets/userfiles/shap/planning/000181.pdf</p>	
<p>33. Planning for Renewable Energy</p> <p>Link to Rugby BC renewable energy grants. http://www.rugby.gov.uk/site/scripts/documents_info.php?documentID=113&pageNumber=6</p>	
<p>34. Business Planning – delivery of climate change targets</p> <p>Link to WCC’s Business Plan, see page 7. http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/FD2FDE76093BC0328025730900326A9E/\$file/CBP+27-06-07+website+version.pdf</p>	
<p>35. Sharing of Best Practice in Sustainable Procurement</p> <p>Link to an article about WCC’s sustainable procurement activities. http://www.govopps.co.uk/magazine/previous/0703/sustainingsuccess.pdf</p>	
<p>Communication & Education</p> <p>List of events and publications July 2006 to June 2007 on the web.</p>	

<p>http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/A2B46DEC87EBF39680257308006D45ED/\$file/Events+and+publications.pdf</p>	
<p>36. Gathering Good Practice Case Studies from members of the Warwickshire Climate Change Partnership</p> <p>Myton School ecoschool case study on the web. http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/A2B46DEC87EBF39680257308006D45ED/\$file/Eco+Schools+Programme+-+Myton+School.pdf</p> <p>Keith Sinfield domestic solar case study on the web. http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/95E43C259F2808AD802572FB003D7717/\$file/Keith+Sinfield+solar+renewables+case+study.pdf</p>	
<p>37. Development of an Action, Emissions and Reporting System - Energy and Carbon Dioxide Statistics Reporting.</p> <p>Warwickshire Energy Statistics report on the web. http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/179A6CB293ABC771802572E2005A2B26/\$file/energy+stats+base+line+for+climate+change+strategy.pdf</p>	
<p>38. Community carbon reduction / carbon foot-printing projects</p> <p>Carbon compensation scheme with Practical Action on the web. http://www.warwickshire.gov.uk/climatechange/compensation</p>	
<p>39. Awareness / Training</p> <p>Switch it Off campaign on the web. http://www.warwickshire.gov.uk/switchitoff</p> <p>Activities list on the web. http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/208CF3A6E7A5EF70802571E000385C82/\$file/Activities+List+for+web+2007.pdf</p> <p>Final report from the 2006 campaign on the web. http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/208CF3A6E7A5EF70802571E000385C82/\$file/Final+Report+-+Warks.doc</p>	
<p>40. Communications Strategy</p>	

<p>Communications and Education page on web site. http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/3ED8FE1B166F9B1D8025730400795EDE</p> <p>List of events and publications on the web. http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/A2B46DEC87EBF39680257308006D45ED/\$file/Events+and+publications.pdf</p>	
<p>41. Invest to Save Schemes</p>	
<p>42. Skills Mapping / Gap Analysis to identify educational training requirements to deliver actions</p> <p>Link to Sustainable Development in Learning the web. http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/4C4FCB97386BB38280257088004309BD</p> <p>Link to Education for Sustainable Development web site. http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/4DB06B1A7471A64180256E040050517A</p>	
<p>43. Public Opinion</p> <p>Attitude survey available on the web – please encourage as many people as you can to fill it in. http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/719FB785766C2DDA80257304007AAA73/\$file/How+do+you+feel+about+climate+change+template+apr07.pdf</p>	All
<p>44. Tourism Opportunities</p> <p>Link to an article about miners walks on the North Arden Heritage Trail. http://www.northwarks.gov.uk/site/scripts/news_article.php?newsID=92</p>	
<p>45. Identify Business Opportunities in manufacturing, specifying provision and installation of Low Carbon Technologies</p>	
<p>Strategic</p>	
<p>46. Co-ordination of the Warwickshire Climate Change Partnership</p> <p>Link to Steering Group Terms of Reference, minutes and action plan 2006 / 2007 on the web. http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/7E511CDA04990774802572E1004F3F09</p>	

<p>47. LAA Delivery Group</p> <p>Link to the Warwickshire Local Area Agreement. http://www.warwickshire.gov.uk/laa</p> <p>Link to the University of Warwick's carbon management action plan. http://www2.warwick.ac.uk/about/environment/utilities/carbon/carbon_mgt_implementation_plan.pdf</p>	

5. Funding Opportunities

Nothing to report today

6. Any other business

Regional Spatial Strategy is to be updated in parts. Employment and housing are completed. From Spring next year all other parts to be reviewed. Is there a role for this group to prepare a Warwickshire position? All – comments anyone?

How will increases in house building (e.g. Rugby) affect Warwickshire's ability to meet targets? All – comments anyone?

Lib Dems have just announced plans to move the UK to 60% reduction in CO2 by 2050 and phase out nuclear by 2050 too. We need to find out the policy of other Parties to see what we can learn from them. Comments needed on – is it workable?. Bernard Perkins.

7. Date and venue of next meetings

Friday December 7th, Montague Road Training Room, Warwick.

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