

Warwickshire Climate Change Strategy Partnership

Delivering the Warwickshire Climate Change Strategy

July 2009 / July 2010 Progress Report

The Warwickshire Climate Change Strategy recognises that the public, private and voluntary sectors must unite to effectively reduce carbon dioxide (CO₂) emissions through targeted actions in five key areas: energy, transport, resource efficiency, adaptation and communications & education.

People who commented in the Strategy Review in 2008 identified four areas they considered as missing in the Strategy: Community Engagement, Agriculture / Horticulture, Biodiversity and Sustainable Construction although these areas do not have agreed strategic objectives as yet.

As lead partner, Warwickshire County Council (WCC) have been able to report on the following climate change activities in the county during the year via its Climate Change Team. The communication channels are: the Warwickshire Climate Change Partnership (WCCP) Steering Group meetings, the WCCP web pages, the monthly News and Events Bulletin, the Community Climate Change Newsletter and the elected member Monthly Briefing:

Private Sector, Public Sector, Voluntary, Charity and Not for Profit Sector, Community Sector

3rd Anniversary Event 2009

1. The Warwickshire Climate Change Partnership (WCCP) third anniversary event was kindly hosted by Merevale & Blyth Estates. This event celebrated the continuing development of the wood fuel supply chain in Warwickshire. Speakers were from the Merevale & Blyth estate, Godfrey-Payton, Encraft, Warwickshire County Council, The Forestry Commission, Biofuels Media Ltd., Green Energy Supplies and Midlands Wood Fuel. They gave the maximum capacity audience a range of interesting presentations on both fuel supply and stimulating demand.

Energy

2. Act on Energy and WCC ran an energy focused session at 'Beyond 2011' a schools event at Coombe Abbey. The event ran over three days and around 500 children completed the session.
3. Act on Energy have been working with 18 schools across Warwickshire to assist them in lowering their energy consumption.
4. Act on Energy have continued to support Local Authorities deliver the National Indicator on fuel poverty - NI187.
5. Act on Energy have continued to work with community groups on encouraging energy efficiency, offering talks and support.
6. Act On Energy have reduced energy consumption through lighting in their own offices by half.

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7. **Act On Energy** is currently finishing off Energy Audits in village Halls in Stratford and is seeking funding to do a similar project in Rugby.
8. **Act on Energy** ran a number of training sessions for local authorities looking at fuel security, thermal imaging etc.
9. **Action 21** meet with the Green Street project manager to discuss the insulation project at the Sydenham Estate in Leamington and the potential hydro-electric project at Jephson Weir in Leamington.
10. **Ashlawn school**, who already have a 5 kW wind turbine, are looking at funding for solar photovoltaics (PV) supported by **Rugby Borough Council**.
11. **Bede Howell**, Chartered Forester provided advice on developing a wood fuel supply chain in Warwickshire (felling restrictions, bird nesting seasons, EPS (European Protected Species) legislation, pheasants on kepted estates, harvesting work, forest tracks, chipper-blade problems, thinnings, price for the material at lorry loading point, timber wetness & chip moisture content, efficient modern self-feed units, chip profile and size, forestry arisings, handling systems, furnaces etc.
12. **Building Sustainable Neighbourhoods** (BSN) have been running a programme in Nuneaton and Bedworth with community organisations who own buildings on reducing their carbon footprint. They submitted a bid to AWM for the ERDF SUD funding to provide additional capital grants to Commercial & Voluntary Sector organisations to make improvements to their buildings (along with other support).
13. **Burton Dasset Parish Council** looked at switching off some of the street lighting within the area.
14. **Converteam** remain the UK's largest exporter to the Wind industry. Some of it comes back to the UK, in particular in the form of power converters within the Siemens Wind Power 3.6MW turbines, which are now being deployed offshore, and the 2.3MW turbines onshore. They supply the electrical power train for the worlds biggest (3.6MW) Permanent Magnet Generator based, Direct Drive turbine. They will deliver their first ground breaking renewables generator using superconducting technology in 2010 which will be installed in a run-of-river project in Germany. Both are designed and built in Rugby. Converteam will be making various other announcements during 2010.
15. **CSWAPO** (Coventry, Solihull and Warwickshire Association of Planning Officers) climate change sub-group engaged consultants Camco to undertake a renewable energy resource assessment and low carbon technology viability assessment for Warwickshire and Solihull. This report provides the evidence base required for PPS1, PPS22 and Core Strategy work.
16. **Encraft** worked on a project with **EST** which looks at planners, PV and training.
17. **Encraft** and **WCC** worked with **Sustainability West Midlands** and **Birmingham City Council** in the development of an Energy Strategy for Birmingham looking at the evidence base, a renewable energy resource

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- assessment, impact of future energy price rises, existing energy actions and future actions required to meet the climate change target.
18. **Encraft** submitted £285k of funding bids for the potential hydro-electric project at Jephson Weir in Leamington. There has been an on-going search for funding.
 19. **Encraft** launched a new renewables site assessment software tool. The new tool will enable estate managers and landlords with multiple properties to quickly establish where are the best spots in their property portfolio to site solar systems or wind turbines. The tool could save several hours of analysis or consultancy time and is available on the Encraft website for subscribing users.
 20. **Encraft** won a contract from **AWM** to develop the small scale renewable energy (microgeneration) supply chain across the region (RESCO).
 21. **Fillongley Carbon reduction Club** held an event on renewable energy for home owners.
 22. **Greenwatt Technologies** are focussing on exploring the potential for biomethane and alternative fuels for the transport sector.
 23. **Midland Bio Energy Ltd.** is a specialist wood pellet supplier supplying wood pellet fuel to the UK market and particularly the growing Warwickshire market. They are supplying domestic grade pellets supplied in 15kg bags and the commercial sector through bulk blown delivery service. All of their pellets are produced in the UK from sustainable FC sourced timber produced to cen/ts 14961 draft European standard. All of the pellets are batch produced with full traceability available. They are committed to providing a secure source of sustainable fuel with local economic benefits and offering a personal, efficient service to the local energy needs.
 24. **Nuneaton and Bedworth Borough Council** (NBBC) are making significant progress in moving and updating an IT server room to a new building, this will allow the closure of the old building and make significant energy savings. The new server room and servers will require less energy to run as well as less cooling.
 25. **NBBC** completed a feasibility study on fitting voltage optimization which estimated savings of 15% with a product life span a of 25 years.. They looked at two companies Power Perfector and Power Star.
 26. **NBBC** Had success of moving away from individual printers to multi functional devices.
 27. **NBBC** received £100,000 in Salix funding for voltage optimization in 5 buildings. They hope for a 5 year payback saving £20,000 a year and a reduction of 175 tonnes CO₂.
 28. **NBBC** installed Combined Heat and Power (CHP) in two of its' leisure centres last year. This has now saved £100,000 in energy costs. The installation of the equipment cost £170,000 thus payback could be less than three years at the current rate.
 29. **NBBC** worked with the **Energy Savings Trust** to get on to the Local Authority 1:2:1 support programme. This support focused on emissions

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from vehicle fleet, input into new housing and commercial buildings to influence energy efficiency, engaging with private sector households and small and medium sized businesses.

30. **NBBC**'s lighting schemes in the council house, town hall and car parks have taken longer to complete than expected and are so far not delivering expected savings. Reasons for this are currently being investigated with the suppliers.
31. **North Warwickshire Borough Council** (NWBC) looked at the potential for saving energy via rationalising its building stock.
32. **NWBC** initiated an eco street project and sought funding through the Low Carbon Building Programme: Retrofitting 100 year old, solid wall properties. Phase 1 was completed in March. This phase used ground source heat pumps (gshp) at around £4,000 / gshp. Local apprentices were taken on to work on the project and it will provide residents with some training on the equipment. They are looking at carrying out metering to compare those with gshp's to those without. Phase 2 will have some air source heat pumps. The first twelve residents have moved into the eco street. A community event will be held in August to teach residents how to use their home properly. The other side of the street is now being refurbished and may involve other types of renewable energy technologies such as PV.
33. **NWBC** joined up for the Energy Advisor project led by WCC.
34. **NWBC** put a joint bid in with Birmingham City Council for funding for the pay as you save (PAYS) scheme. In this scheme householders can borrow money to buy renewables and pay back from their reduced energy bills.
35. **Orbit Heart of England** gshp programme continues focusing on replacing all solid fuel boilers with a gshp where no mains gas supply exists. This will possibly extend to electric storage heated properties in similar circumstances.
36. **Orbit Heart of England** Air Source heating: currently conducting trials on differing makes to determine suitability for UK climate and fuel cost benefit to our residents.
37. **Orbit Heart of England** Passive retrofit programme: works programme to shortly commence on two estates (Coventry and Wellesbourne) with full and part passive pilots being created. Focus being on improving thermal efficiency of the home before consideration of renewable technology solutions
38. **Orbit Heart of England** Data monitoring: working closely with **Coventry University** in recording a range of data electronically with homes to determine 'quality' of the internal environment and how best this can be improved through our retrofit programmes. i.e. what works would be more suitable than others. This also links to resident education programme where residents understand how to use the differing equipment installed and reduce CO₂ and fuel costs by how they live in their homes. There is also a health improvement monitoring programme which is in very early

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stages of development but being discussed at high level in Warwickshire Health Authority.

39. **Orbit Heart of England** Grant funding: working with our key partner **E-ON** to review grant funding provision and identify if this can be extended to current non-grant funded works, also extending to private households.
40. **Orbit Heart of England** are overhauling boilers for micro CHP.
41. **Rugby Borough Council** (RBC) carried out work on affordable warmth. RBC have had discussions around the 10:10 challenge.
42. **Stratford District Council** (SDC) are looking at reducing its carbon emissions by putting PV on Elizabeth House.
43. **SDC** signed up to the 10:10 carbon challenge and signed up to Defra's waste commitment.
44. **South Warwickshire NHS Foundation Trust** began projects on insulation, CHP, co-mingled waste, recycling, sustainable food, seasonal food and behaviour change.
45. **Stratford College** are interested in running a motivational campaign for staff and students to reduce energy consumption.
46. The **Environment Agency** has installed intelligent lighting to prevent lights being left on.
47. The **Renewable Energy Club – Warwickshire** hosted a series of talks/presentations all through the year.
48. **Transition Kineton** have looked at a trajectory towards a transition style 'energy descent' with emphasis on:
 - a a formula for wider communal involvement and ownership of project based on the Low Carbon West Oxford model run as an Industrial and Provident Society (i.e. in which participants are shareholders)
 - b the need for a feasibility study to determine the most efficient methods for improving Kineton energy efficiency while at the same time developing new renewable projects.
 - c the need for a steering group running as a 3rd wing to Farmers Market and Getting Kineton Growing (GKG) as part of our transition brief.
49. **Transition Stratford** Energy Champions Scheme – consulting with **Act on Energy** and **Transition Shipston** on setting up a network of trained volunteers who can carry out simple home energy checks and offer basic advice (with the technical back up from Act on Energy). Volunteers have now been trained.
50. **Transition Stratford** Energy from Food Waste Group are looking at the feasibility of using anaerobic digestion fed by commercial food waste to generate energy.
51. **Transition Stratford** hosted a "Community Ownership of Renewable Energy Projects" conference to explore the options for community – owned renewables in South Warwickshire. There was a range of speakers

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including **Warwickshire County Council**, **Energy4All**, **Wessex Community Assets** and **Encraft Ltd.**

52. **Transition Stratford** ran a workshop on "Sustainable Energy for Historic Buildings". Jointly organised by **Stratford upon Avon Town Council**, **Stratford Society** and **Transition Stratford**. Speakers from **Building Research Establishment**, **English Heritage**, **Marches Energy Agency** and **Stratford DC**. Aim of the event was to raise awareness of sustainable energy solutions for older and historic buildings. The event was well attended with positive feedback received from delegates. Feedback included the need to get information and advice out to people in historic buildings.
53. **University of Warwick**, district heating system has been extended on CHP and thermal stores. This is the third year of their Carbon Management Action Plan and around £30million worth of investment is still needed to meet targets by 2020. It may be that funding becomes linked to reductions in absolute carbon emissions.
54. **Warwickshire College** are building a Power Academy.
55. **Warwickshire Wildlife Trust** achieved funding and installed a wood chip boiler at Brandon Marsh Nature Reserve which hopes to deliver estimated CO₂ savings of 19 tonnes.
56. Warwickshire Wildlife Trust put in a bid for PV for the centre.
57. **Warwickshire Wood Fuel Ltd.** put in an application for funding from the bio energy infrastructure scheme.
58. **WCC** adult care homes have returned to low energy lighting after seeing a contractor replace lighting with standard lights. Six sites have auto lights installed within their buildings
59. **WCC** have reviewed its energy policy and adopted an energy code of behaviour for staff.
60. **WCC** worked with **Act on Energy**, **Coventry City Council**, **Worcestershire County Council**, **Eon Central Networks** to hold the Switch It Off campaign 2009. Switch It Off week 2009 took place on the week commencing the 9th November with the Big Switch Off on Friday 13th November from 4.30 - 6.30pm. The Switch It Off campaign, which is took place across Warwickshire, Coventry and Worcestershire, aimed to encourage public bodies, businesses, communities, schools and residents to Switch Off non essential appliances which are left on when they're not needed. During the weeks before, during and after 'Switch It Off' a number of initiatives were run in order to increase awareness of energy efficiency. Initiatives included:
 - a Dine By Candlelight – Over 30 vouchers were requested for the Dine by Candle Light initiative with diners enjoying a romantic candle lit meal and 10% of the final bill.
 - b Schools – Warwickshire schools supported the campaign by entering the Switch It Off poetry competition. Over 300 entries were received with winning entries being included in a

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publication entitled 'The Carbon Creature'. Winning poems were announced in January. Poems distributed to winning schools, at community events and placed in libraries.

- c Giveaways - Useful information on saving energy and energy efficiency was given out across Warwickshire. During the week over 500 people were provided with energy efficient light bulbs, Switch it Off bags and leaflets.
- d The Big Switch Off took place on Friday the 13th of November between 4:30 and 6:30pm with Central Networks monitoring peak demand at the Bulk Supply Points. Results showed another successful year with a saving of 26.9 megawatt hours of energy saved across Warwickshire, Coventry and Worcestershire. This is equivalent to 154,598 householders completely switching off a sharp 32" LCD TV for the full two hours of the Big Switch Off

The Switch It Off campaign's success over it's 4 years has meant the project has gone national through the Eco Schools programme and the Energy Savings Trust.

- 61. WCC worked with Carbon Trust consultants to complete an initial assessment of biomass boiler installation in its own estate. A top ten list was produced and site visits / full feasibility studies undertaken.
- 62. WCC's energy work is led by the Corporate Energy Delivery Group made up of five Heads of Service, two senior Councillor's and three officers.
- 63. WCC worked with the Carbon Trust on the Carbon Management Action Plan – Revisited (CMAP-R) pilot. The new CMAP -R will cover: buildings, street lighting, vehicle fleet and business miles. WCC's original CMAP was produced 5 years ago. This updated version of the CMAP has given a target of 20% CO₂ reduction over the next five years. In order to achieve this target 99 energy efficient projects have been identified and quantified.
- 64. The Wind Supply project ceased operation over a year ago, and is replaced by an initiative called RESCO. With different funding, and by employing academia, the purpose of this idea is not the same as WindSupply. Nevertheless, the intention is to maximise the skills and experience of the West Midlands in the development and manufacturing of low carbon technologies.
- 65. Wolseley has launched its solar ready scheme – Identified a skills shortage as plumbers do not want to get up on roofs. Thus Wolseley now offer a full package where customers purchase product and installation.
- 66. Wolseley have a mini CHP kit on sale and a Baxi biomass boiler for domestic use. They now have a range of recycled plastic street furniture.

Transport

- 67. Beacon Energy Tony Marmont shared with the group information on his air fuel synthesis work which is a method of making fuels, ranging from
- 68. Fillongley Carbon Reduction Club held an event on low carbon transport.

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69. **Johnson Coaches and Bus Travel** initiated the UK's first zero emissions vehicle trial in the UK at Stratford on Avon Park and Ride.
70. **WCCP** Warwickshire Low Carbon Vehicle Forum was established.
71. **University of Warwick** looking at low carbon vehicle procurement – Mitsubishi electric scooters, offered to staff and students at a discounted rate.
72. WCCP The 4th Anniversary event of WCCP will take place on Tuesday the 6th July at **Peugeot's** Headquarters, Pinley. Speakers will include Laurence Chittock, **Aston University** speaking on the CABLED Project, Tim Anderson, **Energy Savings Trust** and Victoria Johnson, **Johnson Coaches**.

Resource Efficiency

73. **Cemex** has received planning permission to utilize non recyclable waste to fuel at its site in Rugby
74. **Environment Agency** has Implemented a new corporate strategy which goes up to 2015, Reduced annual CO₂ tonnes by 21%, In process of fitting voltage optimisation, Introduced a green travel hierarchy, Reduced energy consumption in offices by 10% on 06 baseline, Reduced water consumption by 5%, Reduction on business miles of 19%.
75. **GreenWatt** working with WCC on a construction waste recovery project with an eye to the Schools for the Future programme. Looking at trying to create a case for a recycling depot for construction waste.
76. **RBC** Continue to work with the Carbon Trust, Carried out second round of housing condition surveys
77. **RBC** reported on a feasibility study to look at the replacement or refurbishment of the leisure centre.
78. The **University of Warwick** is doing work around it carbon management programme such as Refurbishments of kitchens, Turning of CHP at night, Promoting car share, Alternative vehicles - putting in charge points
79. **WCC's** Love Food, Hate Waste show was hosted by Kenilworth School. The event aimed to highlight food miles, carbon footprints and sustainability.
80. **Wolsely** is working with suppliers in order to cut supplier packaging.
81. **Wolsely** Sustainable Centre has received it's 10,000th visitor within its two years and continues to be successful.

Adaptation

82. **Clifford Chambers Parish Council** established the Flooding committee after the floods last year to co-ordinate their response and work with WCC / SDC to reduce the chances of it happening again. Further to that emergency plans were put in place such as the sandbag filling, emergency contact list, priority homes area. A sideline to this committee has been ditches / gully clearing to improve the drainage situation in the village and works in these areas are on going, some problems have been

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encountered during these investigations that may have made things worse last year and can now be rectified.

83. Whenever the **Environment Agency** look at carrying out flood mitigation works they consider dredging as an option (in some circumstances it may be appropriate but this tends to be in confined channels rather than channels with wide floodplains). However, dredging is not always the answer. It may be appropriate in certain locations but it is not sustainable in the long term. Dredging would improve Land Drainage (lower flows) but in general has limited impact in relation to flood levels. Where we have wide floodplains dredging a metre out of the bed of a watercourse would have minimal impact in flood events, where the flows may be a metre or more deep over an area half a mile wide. The costs would be extremely high as all existing bridges and culverts would need to be altered (this may not be viable in many locations). There would also be a huge impact on the environment.
84. The **Environment Agency** have set targets on water and energy consumption.
85. **Government Office of West Midlands** (GOWM) worked in partnership with **UKCIP** to hold a week of seminars looking at UKCIP projections. The seminars were targeted at a variety of people with a launch day for regional leaders, day for local authority practitioners etc.
86. **Greenwatt** are working on a project which aims to stimulate green jobs in the West Midlands and revive careers in engineering. This project is progressing forward at Alcester Engineering and Technology Park. Progress includes: Setting up a pilot centre, initial meetings, looking for funding. It is a small scale project but it is hoped that it can be replicated in other areas.
87. **WCC** are the lead authority for flooding in the county following new regulations.
88. **WCC** continues to work on the Local Area Agreement national Indicators NI 188 (planning to adapt to climate change) and NI186 (per capita reduction of CO₂). In order to achieve NI 188, WCC is working with the **Fire Service**, **Warwickshire Police** and **Social Services**. Completed climate change risk / impact sheets have been placed on the **WCCP** web pages.
89. **WCC** - various service area managers have been asked to consider the frequency and nature of extreme weather events and how these would effect their service delivery. WCC Risk Manager has offered to lead an event to get all service areas to create standardized impact sheets and scores asking them to consider adaptation methods.

Communications and Education

90. **Act On Energy** are involved in include energy efficiency in Rugby community buildings audits and grants, thermal imaging of significant buildings.

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91. **Action 21** volunteered to do a talk on Peak Oil at Café Scientific IN June, Leamington.
92. **Action 21** have moved into their sustainability centre in Jephson Gardens, Leamington. The group ran a permaculture course and have a observation Bee hive.
93. **Environment Agency** had recently organised a market street event where all functions were brought together. Families were invited to the event with the aim of raising awareness.
94. **Green Drinks** - a series of 'Green Drinks' evenings were arranged where those in the community interested in 'green' issues can meet like minded people to discuss things in an informal atmosphere.
95. **EST** are currently revamping the Local Authority support programme. They hope to complete this in July.
96. **Greenwatt** is putting together a series of green skills workshops aimed at councillors, these will be free of charge and act as an introductory to climate change.
97. **Kenilworth Initiative on Climate Change** (KICC) presented a showing of the film Age of Stupid.
98. **Hill Close Gardens** are still promoting their educational programmes however they have concerns regarding funding for their educational officer.
99. **Leamington Transition Town** representative attended the Transition Towns conference in Battersea, in which Richard Heinburg made the following key points
 - a Need a response from as many people as possible.
 - b We need to look at contingency planning for the food supply chain.
 - c Need to be talking with emergency planners.
 - d This can not be achieved by one group, all agencies need to be working together.
 - e Energy descent is as important as energy replacement / decarbonisation.
100. **NWBC** BOG bus was taken out into the community in order to spread information. It was felt that this had not been as successful as they had wished.
101. **Stratford College**. The college hosted a week of screening environmental films and are keen on repeating this.
102. **Transition Shipston** and surrounding villages - Interest in Shipston from a wide range of people who have a variety of skills. Had two open meetings with around 35 people at each. Whichford has created a number of allotments with 12/13 people on already. Illmington a village of under 1000 people wont to set up own transition group. Mayor of Stratford has signed up to covenant of mayors.
103. **Transition Shipston** arranged a 'Candle Light Vigil for Climate Change' talk. 17 supporters of Transition Shipston held a half an hour Candle Light

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Vigil on Sunday 13th December at St. Edmunds Church. Reverend David Thurlburn – Huelin led the vigil and there were three readings telling of the effects that climate change is already having on the poor in the developing world. The candles filled 350 degrees of a circle to symbolise the 350 parts per million of carbon dioxide in the atmosphere that we must return if we are going to stop climate change.

104. **Transition Stratford** - Act Local – Think Global – a formal link has been established with the local charity **Practical Action** to showcase the impact of climate change in developing countries and Practical Action's work in these areas.
105. **Transition Stratford** has been looking at raising awareness with monthly newsletters, website development, monthly film showings, talks and exhibitions. There will be a monthly street stall in central Stratford from April.
106. **Transition Stratford** is planning an education update on climate change, peak oil and transition.
107. **Transition Stratford**, **Transition Town Leamington** and the **Warwickshire Renewable Energy Club** intend to run an open space meeting and begin a debate on peak oil issues, risks and energy security of supply. Bristol has produced a report looking at the risks of peak oil on delivery of public services.
108. **Transition Town Leamington** made a guest appearance at the Glastonbury 2009 Festival. Two members of the group went to the festival to help run a stall sharing information about Transition Towns nationally but also featuring examples from Leamington and Glastonbury.
109. **Transition Town Leamington** ran a benefit concert to raise funds for the zero carbon caravan and at the same time increase awareness of the need to tackle climate change locally and internationally.
110. **Warwickshire Rural Community Council** (WRCC) hosted its AGM and "Future Proofing Your Community" event at Ettington village hall. **WCC** provided the key note speaker who delivered a talk about building community resilience through tackling climate change.
111. **WCC** continues with the monthly business based email bulletin with links to news and events.
112. **WCC** Energy Advisors ran an Energy Day making staff aware of energy consumption. 12 new energy advisors were recruited on this day.
113. **WCC** gave a talk to **Civil Service West Midlands** [Animal Health, Crown Prosecution Service, MOD Defence Estates, MOD, DWP, GOWM, HMPS, HMRC, HSE, Job Centre Plus, Tribunals and Valuation Office Agency (VOA)] on WCC's energy policy and carbon management action plan revisited, WCC's ISO 14001 work and Local Area Agreement, NI 186, the One Tonne Challenge, the WCCP and the extent of activity on reducing emissions in Warwickshire and whether targets are being met or not.
114. **WCC** ran a renewable energy seminar for councillors at WCC, this was delivered by two heads of service, and created a lot of interest.

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115. **WCC** talked to **Harbury Parish Council** and the **Harbury Society**. As a result of these talks, a members of the village community has approached ecotricity and local land owner regarding the putting up of a wind turbine.
116. **WRCC** continue Working on magazine, this goes to all rural areas across Warwickshire.
117. **WRCC** Continue to support local community shops and encourage energy savings in community buildings.

Community Engagement

118. **Stratford Methodist Church** received it's second Eco congregation award.
119. **Transition Shipston** ran a number of open space meetings looking at energy, food and transport.
120. **Transition Shipston** ran the Shipston Mid Summer Festival. Transition Shipston & surrounding communities received a £1900 grant to run a Mid Summer Festival in July 2010. The festival will consist of stalls in and around the town centre, a stage for music and marquees for films and other entertainment. The stalls will be allocated to retailers & traders, food producers, businesses and community groups. The marquees will show mainly films on sustainable and environmental themes (e.g. bee keeping, wildlife etc) There will be local craft demonstration (e.g. willow sculpture). Traditional music and dance will continue through the day on the stage and in the marquees. The history and culture of the town will be highlighted. They have support for the festival from **Shipston Town Council** and **Shipston Town Management Partnership**. The aim of the event is to strengthen the local economy and encourage sustainable living.
121. **WCC** are leading on the development of the 'Save Warwickshire A Tonne' (SWA T) project which aims to raise awareness of how simple measures within the home, garden, business, schools and travel can save both carbon and money. The year long project involving a partnership of all the local authorities in Warwickshire and Act on Energy will start in September 2010 and will consist of a number of initiatives to demonstrate what people can do in their everyday lives to become more sustainable, for instance: save a tonne of carbon, a tonne of waste, a £100 on your fuel bill, reduce car travel by 100 miles or grow 100 vegetables.
122. **WCCP** Community Engagement sub-group formed.
123. **WCC** arranged two 'Growing and Supporting Community Action on Climate Change' workshops. One with community representatives of the **Coventry Local Strategic Partnership** and one solely for people supporting community groups in Warwickshire.
124. **WCC** arranged Warwickshire's first 'Community Climate Change Conference' which was held at **Warwickshire Wildlife Trust's** Brandon Marsh Nature Reserve, Brandon.

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125. **WRCC** Working with grass roots organisations to encourage people to do what they can on a community basis. In October bringing people together at a Future proofing community event at Ettington. Working with Parish and town councils consulting on energy efficiency and sustainability.
126. **Making Henley Greener** - Green Star Homes Questionnaire piloted.
127. **WCC, Encraft / Action 21 / Transition Leamington and Transition Stratford** developed an Intelligent Energy for Europe bid through the Covenant of Mayors. If it had been successful it would have enabled community groups to develop their own community sustainable energy action plans to assist with the local Transition Town initiatives.
128. **WCC** continues with the monthly community based climate change newsletter.

Agriculture / Horticulture

129. **'What to Grow'** are a community group looking at establishing a community orchard & local food production. Villagers from Whatcote, Oxhill and Tysoe are forming a Trust or Cooperative to share in the production of food for themselves, their families and the community. Climate change, the carbon footprint offset and food security issues are encouraging the villagers to produce as much food as possible for themselves. The initial plan is to establish an orchard, then develop small scale salad, vegetables and soft fruit production. Bee hives will be introduced for pollination whilst the bees provide honey and beeswax to add more environmental sustainability to the project . The harvest will be shared between members, the infirm and care homes in the community and the local cottage hospital. Surplus production will be sold to the local pub, restaurants, shops and directly to non participating villagers.
130. **Getting Kineton Growing** is a new group which aims to encourage the local communities to grow more of it's own food as an adaptive response to the risks of peak oil demand.
131. **Transition Shipston** are compiling a local food directory.
132. **Transition Stratford** is working with Stratford upon Avon Town Council on ways to increase the number of allotments by bringing unused land into temporary use for food growing.
133. **Transition Stratford** run a Garden Share Scheme which aims to link up people who want to grow their own food but have no garden, with those with spare space in their garden. Team of four organisers established, who interview would-be gardeners and garden owners and broker matches. Launched February, now have 25 - 30 growers and 5 gardens and 5 agreement signed.
134. **Transition Leamington** are organising a community market to run on days when the farmers market is not on, this will sell locally grown produce, arts & crafts.

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135. **Action 21** ran an introduction to permaculture course.

Biodiversity

136. **University of Warwick** The Tocil Bee Habitat was created at the University of Warwick.
137. **WWT** is changing it's focus on its nature of work to living landscapes, looking at larger areas, linking areas to allow for climate change adaptation. Areas covered include: Thame Valley wetland areas and Princethorpe Woodland Area. The messages being delivered to the public will also be changing from informative descriptive messages to messages covering why we need a particular species. These will cover biodiversity, adaptation and the effects of climate change.

Sustainable Construction

138. **Building Arts** and **Transition Town Leamington**. The Stoneleigh Sustainable Centre project is now officially part of the **RASE** planning programme and has been presented to the **WDC** planning Department.
139. **Climate Change Solutions** are in the process of establishing a climate change centre. This will be a showcase centre to provide communities with information. The intention is to invite people in to display what others can do & education. Also working with **Garden Organics**, looking at retro fitting a 1920's house.
140. **Encraft** won two of its projects submitted to the Technology Strategy Board 'Retrofit for the Future' competition. One is being delivered in partnership with **WDC**. The project aims to reduce carbon emissions from the existing social housing by 80% through retrofitting a replicable combination of low carbon technologies. The project focuses on delivering the aim with minimum disruption to occupants and maximum opportunity for existing local installation contractors to participate.
141. **Wolseley** starting a product to retrofit a 1930's house with Worcestershire Bosch.
142. **Wolseley** Sustainable Building Centre – Challenging suppliers with packaging thinking of life cycle costings and analysis. Constantly upgrading the sustainable buildings centre, adding new products.
143. **Warwickshire Police** are refurbishing most police stations and replacing some. They are looking at producing an energy profile and there is some interest in multi purpose buildings.

Strategic

144. **Environment Agency** are currently redrafting it's Corporate Strategy containing five themes one of which is Climate Change.
145. **NBBC** renewed their Environmental Sustainability Strategy.
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146. Talks to Parish Councils were given on the One Tonne Challenge – Bagington Parish Council, Pillerton Priors Parish Council, Beaudesert & Henley in Arden Parish Council, Luddington Parish Council, Rowington Parish Council, Whatcote Parish Council, Beausale Parish Council, Wolvey Parish Council, Ufton Parish Council, Bidford Parish Council, Stratford Town Council.
147. Transition Stratford – Economy Group – restarting discussions about ideas for more sustainable economy: time banking, green business directory, "transition card" scheme.
148. Warwickshire Wildlife Trust has had a successful 14001 audit.

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