

Targets/Milestones

Start	End	date and %	CO2
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Brief update

Other Partners

Lead

**Energy**

To reduce greenhouse gas emissions through improving energy efficiency, minimising waste and increasing the use of renewable sources of energy.

1	<b>Promote Warwickshire's Carbon Hierarchy</b>						
a	Promote the use of Warwickshire's Carbon Hierarchy	Warwickshire Climate Change partnership	ongoing				All Partners
b	Implement a "Switch It Off" campaign 2008.	Gillian Squires, Climate Change Team, WCC	Feb-08	Feb-09			Warwickshire Climate Change Partnership
2	<b>Create a Biomass Market</b>						
a	Encourage the development of a Biomass market in Warwickshire	Warwickshire Climate Change partnership	May-05	ongoing			
b	Investigate potential for biomass CHP	Warwickshire Climate Change partnership	Jan-10	Jan-11			
c	Coordinate the Warwickshire Biomass Heating Support Group	Advantage West Midlands (Simon West)	ongoing			N/A	WCC Climate Change Team (Jacky Lawrence), (Andy Brindley), ARUP (Derek Lawrence), Action 21 Energy Group, Advantage West Midlands, Agripellets (David), Alscot Estate (Duncan Childs), AWM (Simon West), Carbon Trust (Kieran Allen), Craydene Associates (Bernard Perkins), Econergy (Mike Webb), Encraft (Matthew Rhodes), ESPO (David Kwiatek), Forestry Commission (Ewan Calcott), Greenmech (Tony Turner), Heartwoods (Andy Grundy), Mercia Energy (Andy Russell), MWEN (Ewan Bent), National Grid (Norah Ramsay), NISP (Donna Maskery), Nuneaton and Bedworth BC (Brent Davis), RASE (Joanna Righton), Sunrise biodiesel (Andy Stevenson), University of Warwick (Nick Hillard), Warwick DC (Mark Perkins, Matthew Byrne), Warwickshire College (Ben Atkins), WCC ( Bill Johnson, Keith Higginson), WEEAC (Cindy Musgrave), Woodland Estate Owner (Timothy Wade), Warwickshire Climate Change partnership
d	Biomass boiler installation at Oakley Crematorium	Mark Perkins, WDC					Econergy (Mike Webb)
e	Biomass boiler installation at Kingsbury Water Park	Ray Abbott, WCC	Nov-07	Nov-08			WCC (Bill Johnson, Ray Abbott)
f	Biomass boiler installation at Kingsbury Water Park (Coordinate delivery of educational work)	Craig Williams, WCC					WCC (Climate Change Team)
g	Investigate the potential for installation of biomass CHP or tri generation, Anaerobic Digestion and Fermentation at the University of Warwick	Nick Hillard, University of Warwick	Jan-08	check			
h	Develop an economic comparison of biomass and gas CHP	Brent Davis, NBBC	Oct-07	check			
i	Preparing a bioenergy supply chain and demonstrator proposal at HRI	Mike Woolacott, ATI Projects Ltd., Greenwatt Ltd.	Dec-07	check			Warwick HRI (Warwick University) at Wellesbourne, WCC (Steven Lewington)
j	Managing 50 acre miscanthus biomass contract on family farm in Derbyshire	Mike Woolacott, ATI Projects Ltd., Greenwatt Ltd.	Dec-07	check			Derbyshire Farm
k	Develop a 2.5 MWe biomass scheme and a 2 MWe Anaerobic Digestion plant.	Philip Blackman, Merevale & Blythe Estates	Jun-07	dependent on planning			Year 1 – so very early days!  May 08. We will shortly be submitting a new planning application to WCC for a scaled-down renewable energy scheme at the site of the colliery shale tip near Baxterley. The scheme will be for a Biomass CHP scheme to produce approx 2.5 MW electricity and a Biogas (AD) plant which will produce about 2MW of electrical power. The previous scheme included various recycling operations (composting, WEEE and timber) as well, but these have been dropped. The Biomass will use locally sourced wood and the AD plant will provide the ability for kerb side collections of kitchen waste to start in NWarks/Nuneaton. Given the positive recommendation for approval from WCC Planners last time, and then the refusal by the Planning Committee, we have been selected as a case study on a national study, funded by DEFRA, on Nimbyism and renewable energy planning applications!
3	<b>Map Warwickshire's Renewable Energy Resources in order to identify how to meet Warwickshire's renewable energy target of 136 GWh by 2010.</b>						

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Warwickshire Climate Change Partnership

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a	Enable mapping of Warwickshire's Renewable Energy Resources: Meet Warwickshire's Renewable Energy target of 136 GWhe by 2010.	Warwickshire Climate Change partnership	Apr-07	Apr-09		N/A		
b	Assessment of renewable energy potential at Warwickshire Police Properties	Bob Bullock, Warwickshire Police				N/A		Encraft (Matthew Rhodes), Eon Central Networks (Martin Orme, Robert Ferris),
d	Undertake a full Warwickshire / WCC renewable energy resource assessment	Jonathan Horsfield, WCC	Apr-08	Mar-09				WCC (Jacky Lawrence)
4	<b>Develop Environmental Faith Group Projects</b>							
a	Encourage faith group involvement in climate change projects	Warwickshire Climate Change partnership	ongoing					
b	Stratford Eco-Congregation project	Stratford-upon-Avon Methodist Church	Jan-07	ongoing				Eco-Congregations, WEEAC, Stratford Climate Action Network, WCC
5	<b>Install Heat pumps</b>							
a	Encourage the installation of Heat Pumps	Warwickshire Climate Change partnership						
b	Installation of heat pumps in new build at Lighthorne Heath	John Barnham, Orbit Heart of England	check				May 2008. Our project in Lighthorne Heath to install 80 properties with ground source heating is going extremely well with positive feedback from tenants on improved fuel costs and also health. This later item linked to residents suffering from breathing related illnesses where the solid fuel heating systems have been removed.	
c	Installation of air source heating and creation of passive housing	John Barnham, Orbit Heart of England	May-08				May 2008. We are developing a programme to install air source heating including creating 'passive housing' through our links with TRECODOME, the group for european RSLs.	
6	<b>Procure Climate Change Levy Exempt / Renewable Electricity</b>							
a	Encourage procurement of Climate Change Levy Exempt / Renewable Electricity	Warwickshire Climate Change partnership	ongoing					
b	Procurement of renewable energy at WCC properties	Procurement Unit, WCC	ongoing				New contracts about to be let by ESPO (October)	WCC (Bill Johnson)
c	Procurement of renewable energy at NBBC properties	Dawn Ford, NBBC	ongoing					
d	Procurement of renewable energy at NWBC properties	Steve Maxey, NWBC	ongoing					
e	Procurement of renewable energy at RBC properties	Stephen Marks, RBC	ongoing					
f	Procurement of renewable energy at University of Warwick	Nick Hillard, University of Warwick	ongoing					
g	Procurement of renewable energy in WCC street lighting	Mike Cunningham, WCC	ongoing					
7	<b>Develop Home Energy Efficiency projects</b>							
a	Encourage projects to improve domestic energy efficiency	Warwickshire Climate Change partnership	ongoing					
b	Gather data on home energy efficiency schemes at local authorities	David Jullien, WEEAC	ongoing					Local Borough and District Councils
c	Engage WCC Social Services / PCT's in the fuel poverty agenda	David Jullien, WEEAC	Jan-08	Jan-09				
d	Extend SS project to include 'hard to heat' homes and develop Warwickshire integrated 'Affordable Warmth' strategy	David Jullien, WEEAC	Jan-09	Jan-11				
e	Start work towards a 'Carbon Neutral' village in Warwickshire	Warwickshire Climate Change partnership	Jan-08	Jan-11				
f	Promote the purchase of A rated appliances	Warwickshire Climate Change partnership	Jan-09	Jan-11				
8	<b>Create Green and Energy Champions:</b>							
a	Identify any opportunities for community and business climate change champions.	Warwickshire Climate Change partnership						
b	Identify and secure funding to recruit 15 volunteers per year.	Richard Hicks, WDC Action 21	ongoing					
c	Volunteers will attend x events to carry out information stands, activities and talks.	Richard Hicks, WDC Action 21	after funding secured					

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d	Recruit 15 volunteers per year, to train them to act as 'Energy Champions', advocates of sustainable energy use within their own communities.	after funding secured					
	<b>Richard Hicks, WDC Action 21</b>						
e	Identify opportunities to provide community building energy efficiency grants	check					
	<b>David Jullien, WEEAC</b>						
<b>9 Evaluate the Potential for Urban Wind</b>							
a	Warwick wind trial project coordination	check					
	<b>Matthew Rhodes, Encraft</b>						
b	Lillington Road	check				installed, being monitored	
	<b>Janet Alty, Resident L. Spa</b>						WDC, Action 21, Pilkington Energy efficiency Trust, DTI, British Wind Energy Association, Micropower Council, Hill Close Gardens, Individuals, WEEAC, Warwickshire County Council
c	Hill Close Gardens	check				Installed, being monitored. The wind turbine has now been generating for ten months. Results so far disappointing, but not unexpected, site far from ideal. They hope to raise mast by 3m to gain more wind & lose local turbulence.	
	<b>Chris Begg, Hill Close Gardens</b>						
d	Princes Drive Recycling Centre	check				installed, being monitored	
	<b>Richard Hicks, WDC Action 21</b>						
e	Tannery Court	check				installed, being monitored	
	<b>Mark Perkins, WDC</b>						
<b>10 Implement School Energy Projects</b>							
a	School Energy Projects: Ashlawn School & Science College, Rugby - installation of 5kW Iskra wind turbine	check				installed	Eon, Rugby BC, Cemex, Warwickshire County Council
	<b>Mandy Jesson, Ashlawn School</b>						
<b>11 Comply with the EU Energy Performance of Buildings Directive (legal req)</b>							
a	Carry out EU EPBD audit and produce/display certificate for appropriate buildings	Oct-07	Jan-09				
	<b>Warwickshire Climate Change partnership</b>						
	WCC - carry out audit and produce/display certificate	Oct-07	Jan-09			Software to produce certificates to be purchased (October)	
	<b>Bill Johnson, WCC</b>						
b	NBBC - carry out audit and produce/display certificate						
	<b>Brent Davies, NBBC</b>						
c	NWBC - carry out audit and produce/display certificate						
	<b>David Baxendale, NWBC</b>						
d	RBC - carry out audit and produce/display certificate						
	<b>Stephen Marks, RBC</b>						
e	WDC - carry out audit and produce/display certificate						
	<b>Mark Perkins, WDC</b>						
f	SDC - carry out audit and produce/display certificate						
	<b>Paul Chapman, SDC</b>						
g	Coordinate Local Authority EU EPBD work and share best practice	Dec-07	on-going				All LA's
	<b>Bill Johnson, WCC</b>						
<b>12 Maximise Availability of Grants for Renewable Energy</b>							
a	Rugby BC grants for renewable energy	check				In 2006/07 RBC paid out £5k of grants (with a further £3k allocated)	
	<b>Stephen Marks, RBC</b>						
<b>13 Develop 'Invest to Save' type schemes</b>							
a	Promote the establishment and use of invest to save schemes	ongoing					
	<b>Warwickshire Climate Change partnership</b>						
b	Manage WCC's Sustainable Development Fund / Salix Scheme / Climate Change project monies to include: Cavity Wall insulation projects, thermally efficient windows, re-roofing, re-boiler and re-wiring projects.	Sep-07	Mar-10			October - Potential schemes identified £200K though only £12K committed to date.	
	<b>Bill Johnson, WCC</b>						
<b>14 Implement Energy Efficient Lighting Projects in buildings, street lighting and traffic signals</b>							
a	Promote the installation of energy efficient lighting	ongoing					
	<b>Warwickshire Climate Change partnership</b>						
b	Use of LEDs in Belisha Beacons & Bollards	Mar-08	Apr-09			The last of WCC's Belisha Beacons will be converted to the LED type in financial year 2008/09. LED equipment specified on all new schemes and where appropriate.	
	<b>Mike Cunningham, WCC</b>						
c	Install EE lamps in void properties	check					
	<b>Brent Davis, NBBC</b>						
d	Install EE lamps in multi-storey car parks - Rope Walk	check					
	<b>Brent Davis, NBBC</b>						
e	Install Intelligent sensors for lighting schemes	check					
	<b>Brent Davis, NBBC</b>						

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15	<b>Develop suitable delivery mechanisms for meeting climate change CO2, Renewable Energy (heat and electricity) and CHP targets</b>						
a	Investigate and evaluate delivery mechanisms (London Climate Change Agency, Cornwall Sustainable Energy Partnership, ESCO's, Energy Agencies etc.) elsewhere in the UK	Warwickshire Climate Change partnership	Jan-09	Jan-11			
16	<b>Implement Combined Heat and Power Projects CHP</b>						
a	Identify opportunities for CHP	Warwickshire Climate Change partnership	ongoing				
b	Nuneaton Town Hall CHP	Brent Davis, NBBC	check				
c	Bedworth Civic Hall CHP	Brent Davis, NBBC	check				
<b>Transport</b>		To reduce greenhouse gas emissions resulting from transport (particularly road transport) both through our transport planning function and our own activities. This will be achieved by effective consideration and promotion of the public transport, car sharing, home working and other interventions, as well as encouraging walking and cycling.					
17	<b>Implement Alternately Fuelled Vehicle Projects</b>						
a	Identify opportunities for alternately fuelled vehicles	Warwickshire Climate Change partnership	ongoing				
b	<b>Biodiesel for WCC Vehicle Fleet</b>	Andy McDermid, WCC	Jul-07	check			ESPO, Silver Group
c	Conversion of two Toyota Prius Hybrid Cars to be both " Plug In " ( extra battery capacity raising mpg to 135 mpg for local journeys ), and Hybrid , Petrol/Electric/Hydrogen	Tony Marmont, Beacon Energy	Dec-07	check			
d	Lease a hybrid / electric mayoral vehicle for the Mayor of Leamington.	Robert Nash, Royal Leamington Spa Town Council	Jul-08			The mayoral car is presently powered by LPG, the intention is to replace it with a hybrid / electric vehicle.	
e	Niche Vehicle R&D Collaboration project.	Mike Woolacott, ATI Projects Ltd., Greenwatt Ltd.	Dec-07	check		The project is looking for a 'quick win' with first investment planned in the role of 'eco-vehicles' within local transport infrastructure - electric and/or hybrid using a number of different low carbon fuels.	AWM-funded, Birmingham City University,
18	<b>Develop and Monitor Business Travel Plans</b>						
a	<b>Reduction in WCC business miles</b>	Nicola Small, WCC	Jan-08	Dec-10			
b	Chiltern Rail Agreement for WCC staff	Procurement Unit, WCC	Sep-07	ongoing			
c	Promote the WCC car share database	Nicola Small, WCC	ongoing				
d	Working with Coventry Airport to mitigate expected increases in traffic emissions	Coventry Airport	Jun-04	ongoing		bi annual meetings attended. Progress on staff to made.	WCC (Nicola Small)
e	Partners and other Business Organisations	Nicola Small, WCC	ongoing			organisations obliged to do Transport Planning through planning process	Businesses
19	<b>Reduce food miles and increase the amount of local food production</b>						
a	Food for life: Submit a funding bid to 'Reaching Communities' (National Lottery); 'Establish a 'local food economy' by brokering supply links between local farms and community cafes and food co-ops. 'Promote healthy eating and run x activities to increase the use of cafes and co-ops.	Richard Hicks, Action 21	check			First funding bid not successful.	Bath Place Community Venture, Leamington Children's Centre, Brunswick Healthy Living Centre, Gap Community Centre (Warwick), Lillington Parent's Group
20	<b>Develop and Monitor School Travel Plans</b>						
a	<b>Development and Monitoring</b>	Sustainable Travel Team, WCC	ongoing				Schools
21	<b>Establish fuel efficiency driving courses</b>						
a	Identify opportunities to carry out fuel efficient driving courses	Warwickshire Climate Change partnership	Jan-10	Jan-11			

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b	Anti-idling campaign with Freight distribution company	Freight Best Practice Programme	Jan-08	Nov-08	100%			WCCClimate Change Team (Gillian Squires)
22	<b>Identify uses for the canal network in Warwickshire</b>							
a	Identify uses for the canal network in Warwickshire to take frieght off the roads	Warwickshire Climate Change partnership	Jan-10	Jan-11				
<b>Resource Efficiency</b>		To reduce greenhouse gas emissions through better waste management, including waste minimisation and increased recycling, more efficient use of resources and more environmentally aware procurement (including infrastructure).						
23	<b>Increase the use of 'Smart metering'</b>							
a	Install 'Smart' metering in SMEs at Bayton Road	Klitos Andreas, RIC	check					WCC, The Hub, Bayton Road Industrial Estate, Carbon Trust
b	Run energy efficiency awareness raising seminar	Klitos Andreas, RIC						
c	Run Early Adopter half day training session – interpreting 'Smart' meter data	Klitos Andreas, RIC						
24	<b>Implement Corporate Waste Minimisation Strategies</b>							
a	Identify organisations that can adopt waste minisation strategies	Warwickshire Climate Change partnership	ongoing					
b	Implement WCC's waste min strategy	Glenn Fleet, WCC	check					
c	Implement WCC's waste min strategy - increase the use of an in-vessel composter at Shire Hall complex	Colin Jones, WCC	check					
d	Implement WCC's waste min strategy - Increase the number of composting bins at other WCC sites	Colin Jones, WCC	check					
	Investigate the options and cost of obtaining a waste hazard licence to move food waste within the Shire Hall complex and	Colin Jones, WCC	Apr-08	Mar-09				
25	<b>Increase Business Resource Efficiency</b>							
a	Extend NISP and Resource Efficiency Clubs in Warwickshire.	Dr Susan Juned, NISP	check					WCC (Economic Development)
26	<b>Develop a Warwickshire Waste Partnership</b>							
a	<b>Development, Implementation and Monitoring of a Countywide Warwickshire Waste Partnership Strategy</b>	Glenn Fleet, WCC	check					LAA Partners
	Prepare short research paper for the Warwickshire Climate Change Partnership Steering Group on the Synow Project – joint EU bid (result expected January) and the Fischer Tropsche process	Mike Woolacott, ATI Projects Ltd., Greenwatt Ltd.	Dec-07	ongoing			The Synow project will address the EU opportunity for synthetic fuel produced out of organic wastes. This has some similarities with the Gassifier concept (Fischer Tropsch process ) we discussed last week with Tony Marmont and for which I will collate a short paper for the Warwickshire Climate Change Group.	NISP (UK), AETS (France) and other partners submitted under the EU Intelligent Energy Programme
27	<b>Increase recycling rates</b>							
a	Identify opportunities for increasing recycling rates	Warwickshire Climate Change partnership	ongoing					
b	Continue with the Goods Again project at Onley prison	Onley Prison	ongoing					
c	Implementation of WCC sustainable procurement policy - Increase the use of recycled paper	Malcolm Ward, Print Unit, WCC	ongoing					
d	Implementation of WCC sustainable procurement and waste minimisation policy - increase corporate recycling through wider promotion of the furniture recycling database	Colin Jones, WCC	ongoing					WCC (Procurement Unit)
e	Increase the use of recycled aggregates for roads and construction projects - Continue with the EED Recycled aggregates for roads project at Leicester Lane and extend to building construction	Nigel Chetwynd, WCC	ongoing					WCC (Jonathan Horsfield)
f	Establish WCC inter Directorate links between EED and Resources / Property to ensure both highways and property activities are party to the supply and demand for recycled materials.	Jonathan Horsfield (currently), WCC	Oct-07	Oct-08			JH comment (05Oct07) discussions started between EED + Resources re' both use of highways recycled aggregates in Property projects; and potential for medium / long term joint recycled materials facility].	
g	Establish and implement Site Waste Management Plans on WCC Construction Projects	Jonathan Horsfield, WCC	Sep-07	Aug-08	check		WCC Standard SWMP proformas developed and being piloted on projects from Autumn 2007 to summer 2008	
h	Increase the number of people home composting	WRAP	ongoing					WCC (Waste Minimisation Team)

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28	<b>Improve heating efficiency</b>						
a	Installation of Swimming Pool Covers - Atherstone Pool	NBBC	check				
<b>Adaptation</b>		To introduce climate change adaptation fully in all new and reviewed policies and related activities, and minimise future risk through appropriate adaptation measures					
29	<b>Implement Sustainable Construction Projects</b>					NI 188 - Adapting to climate change NI189 - Flood risk management	
a	Identify opportunities to integrate sustainability into construction projects	Warwickshire Climate Change partnership	ongoing				
b	Develop WCC Property Group Sustainable Development Policy	Jonathan Horsfield, WCC	check			Policy developed and agreed by Property DMT. Action Plan needs developing	
c	WCC, Pride in Camp Hill	Chris Egan, Prdie in Camp Hill, WCC	ongoing				
d	Increase the number of building integrated renewables	Warwickshire Climate Change partnership	ongoing				
e	Examine feasibility of developing a demonstration eco-home in North Warwickshire	David Baxendale, NWBC	Nov-07	check			WEEAC (David Julien), Waterloo HA (Roy Mowbray), Sustainable Development Association (Terry Nash)
f	Sustainable Public Buildings Project: West Midland project to improve public buildings. Pilot workshop for a new build community centre in Bedworth was in March 2007	Matthew Rhodes, Encraft	check	Mar-07	check	N/A	Workshop held in March 2007
g	Development of a sustainable community centre by Champion Hills Allotment Association	Juliet Carter, CHAA	Jun-08	ongoing			Conducting community consultation on design proposals and looking to secure funding
30	<b>Monitor Public Health Services in a Changing Climate</b>						
a	Seasonal Deaths in Warwickshire Report	Dr Christopher Zishiri, Warwickshire PCT	check			finished report	
31	<b>Integrate Climate Change Issues into all relevant strategies, policies and plans</b>						
a	Adapting Strategies, policies and plans to include Climate Change mitigation and adaptation - Complete WCC strategy audit	Jacky Lawrence, Climate Change Team, WCC	Apr-07		90%	N/A	
b	Coordinate the updating of those strategies and record relevant statements	Jacky Lawrence, Climate Change Team, WCC	Apr-08	ongoing			Strategy owners
c	Develop a biodiversity strategy	Ruth Moffatt, WCC	check				
d	Include climate change adaptation into biodiversity strategies	Ruth Moffatt, WCC	Mar-07	Jun-07	80%	N/A	check
32	<b>Plan for Renewable Energy</b>						
a	LAA - Planning for renewable energy	LAA Delivery Group	Apr-07	Mar-09			LAA Partners, Warwickshire County Council
b	RBC - 15% Merton style planning	Stephen Marks, RBC	check			finished policy development	
c	WCC - small scale renewables policy	Jonathan Horsfield, WCC	Oct-07	Oct-08			
33	<b>Link Delivery of Targets to Business Planning</b>						
a	Monitoring Partners to link the aims of the Warwickshire Climate Change Partnership with their own Business Planning - Follow up on whether any action has been taken	Jacky Lawrence, Climate Change Team, WCC	Oct-07	Jan-08	check	N/A	Converteam Ltd (John F Hill), Encraft (Matthew Rhodes), Willmott Dixon Construction & Academy for Sustainable Construction (George Martin), EON (Peter Baynham), Manco Energy (Jon Vicary), BMW Hams Hall Plant (Jason Reakes), Shell (John Carrier), Warwickshire Biodiesel Project (Andy Stevenson), Warwickshire Rural Community Council (Linda Ridgley), NBBC (Alan Franks), Severn Trent Water Ltd (Sue Alcock), ESPO Kevin Willsher, Sustainability West Midlands (John Sharpe), Warwick DC (Bob Crowther), Warwick District Council (Margaret Begg)
34	<b>Share Best Practice in Sustainable Procurement</b>						
a	Procurement of TFT screens to replace CRT screens for IT	Angela Johns, WCC	check				
b	Procurement of TFT screens to replace CRT screens for IT	David Baxendale, NWBC	check				

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c	Replacement of CRT monitors with LCD  2004-2005 133 2005-2006 158 2006-2007 40 2007-2008(to date) 50	Apr-04	Mar-08	check		According to the info provided by RBC IT dept (from the Energy Star Website) energy use is as follows: CRT On mode 73W, Standby mode 3W, Off Mode 5W LCD On mode 25W, Standby mode 5W, Off mode 5W. Cost (based on approx £125 each) £ 16625 £19,750 £5,000 £6,250	

**Communication & Education**

For organisations to communicate and educate staff, and as a result the wider communities of Warwickshire, on their responsibilities and actions required to both adapt to and limit the effects of climate change in our county.

35	<b>Gather Good Practice Case Studies from members of the Warwickshire Climate Change Partnership</b> Climate Change Action Plan, Carbon Management Action Plan, Investment in energy efficiency (old lights, PC screens, insulation, small-scale CHP, pool covers). Installation of CFL's in void properties, Installation of CHP in leisure centres and town hall, Major re-lighting projects in multi-storey car parks, The use of intelligent sensors.	Climate Change Team, WCC	ongoing				Partners with delivered projects
a		David Baxendale, NWBC	check				WCC (Climate Change Team)
b		Brent Davis, NBBC	check				WCC (Climate Change Team)
c	Aladdin project - new lamps for old.	Richard Hicks, Action 21	check				
36	<b>Develop and Implement an Action, Emissions and Reporting System - Partnership Energy and Carbon Dioxide Statistics Reporting</b>						
a	Update Warwickshire Energy Statistics report (2007 / 2008 data)	Climate Change Team, WCC	May-09	Mar-10		NI186 - per capita CO2 emissions in the AL area	Ecotec Research and Consulting
b	Continue with Partnership Cred interviews and gathering data for case studies	Climate Change Team, WCC	ongoing				
c	<b>Gather relevant energy and water consumption data for all WCC buildings</b>	Bill Johnson, WCC	Sep-07	ongoing		NI 185 - CO2 reduction from local authority operations	WCC (Jacky Lawrence)
d	<b>Implement the Actions and Emissions reporting system - interview 10 Partners every six months</b>	Climate Change Team, WCC	Dec-07	ongoing			A selection of Partners
37	<b>Implement Community carbon reduction / carbon foot-printing projects</b> Promote the carbon compenstaion scheme with Practical Action to local community groups to support climate change adaptation projects in Bangladesh and Nepal.	Emma Clarke, Climate Change Team, WCC	Apr-07	ongoing		Slow start to the project. Marketing planning meeting held with Practical Action in March 2008. Further meetings arranged to develop press articles.	Community Groups
b	Implement a community renewable energy club project in Warwick District	WDC Action 21 Energy Group	Jan-07	ongoing		Club launch date 1st December 2007	WCC (Jonathan Horsfield, Jacky Lawrence), Craydene Associates (Bernard Perkins), Derrick Knight ( )
c	Implement a community carbon footpriting project in Warwick District (CRA21E)	WDC Action 21 Energy Group	Jan-07	ongoing			WCC (Jacky Lawrence)
d	Implement a community carbon footpriting initiative in Nuneaton & Bedworth District	Abi Windridge, Building Sustainable Neighbourhoods, WCC	Jan-07	ongoing		15 Community Groups completed so far:- BHLAC, Exhall Old school, Guideposts, Pastels, Muslim Society, Salvation Army, Nuneaton Women's Multicultural Resource Centre, CAB, Nuneaton Young People, All Saints Church Hall, Hatter Space Community, Sikh Mission, Manor Court Baptist Church, Camp Hill Church hall, Welfare Rights Advice Service, Bedworth Arts Centre. Projects implemented so far include: Cavity wall and roof insulation; Double Glazing; New A heating system, controls and radiators; Storage heating; New light fittings, Draught proofing windows.	Community Groups, Encraft (John Garrett)
38	<b>Implement Climate Change Awareness / Training Programmes</b>						
a	Continue Climate Change Awareness Training to WCC Councillors, staff and Partners:	Climate Change Team, WCC	ongoing				
b	Provision of training to Building Control Officers in the policing of Part L Building regs.	Warwickshire Climate Change partnership					
c	Develop a climate change art exhibition	Emma Clarke, Climate Change Team, WCC	Aug-07	Sep-08			

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with actions to 2011 as identified by the Partnership as becoming necessary

Targets/Milestones

		Start	End	date and %	CO2	Brief update	Other Partners
39	<b>Develop a County-wide Communications Strategy</b>						
a	Revise the Warwickshire Climate Change Communications Strategy.	Jan-08	May-08				
b	<b>Identify and time map all areas that need to be communicated (subjects and audience)</b>	Jan-08	May-08				
c	Provide business Partners with a monthly web based update of news and events	ongoing					
d	Send out monthly climate change community newsletter	ongoing					
e	<b>Prepare an annual Warwickshire Climate Change Review based on case studies</b>	Jan-08	Dec-08				Warwickshire Climate Change Partnership
40	<b>Implement Invest to Save Schemes</b>						
a	Encourage the establishment of Invest to Save schemes and engage building owners where schemes are identified						
b	Energy awareness training - WCC Sustainable Development Fund, Salix, Climate Change Project monies, and induction process	Apr-08	check				Energy Manager and Surveyor, Resources, WCC
41	<b>Undertake Gap Analysis / Skills Mapping / to identify educational training requirements to deliver actions and targets</b>						
a	<b>Development of a Strategy and Action Plan to deliver Education for Sustainable Development within Educational Establishments</b>	Feb-07	Mar-11		N/A	on target	CYPF and associated organisations
42	<b>Determine Public Opinion of Climate Change and Actions</b>						
a	Use the 'Public Perception' Questionnaire to gauge opinion on climate change	ongoing			N/A		
43	<b>Identify Climate Change Related Tourism Opportunities</b>						
a	Development of - energy trails/walks/bike rides/etc. using results of renewable energy mapping work	Aug-07	Aug-08				Craydene Associates (Bernard Perkins, Eleanor Perkins), WCC (Emma Clarke, Jonathan Horsfield, Jonathan Parkhouse).
44	<b>Identify Business Opportunities in manufacturing, specifying provision and installation of Low Carbon Technologies</b>						
a	Increase the number of organisations working with the Carbon Trust	ongoing					
b	Increase the number of organisations working with the National Energy Centre - Energy Efficiency Accreditation Scheme	ongoing				LAA indicator	NBBC
c	Increase the number of organisations working with WEEAC	ongoing					
d	Developing a wind power supply chain.	check					RBC, AWM

Strategic

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			Targets/Milestones				Brief update	Other Partners
			Start	End	date and %	CO2		
45	Co-ordinate the Warwickshire Climate Change Partnership	Climate Change Team, WCC	ongoing					ARUP (Terry Dix), AWM, (Simon West), Beacon Energy Ltd (Professor Tony Marmont), Carbon Trust (Simon Helmer), Craydene Associates (Bernard Perkins), CTC Energy (Bill Mahoney), Encraft (Matthew Rhodes), Eon UK (Peter Baynham), Forestry Commission (Ewan Calcott), Hill Close Gardens (Chris Begg), National Grid (Vicky Beckett), NISP (Umar Daraz), North Warwickshire BC (David Baxendale), Nuneaton and Bedworth BC (Brent Davis), Pick Everard (John Simkin), Rugby Borough Council (Stephen Marks, Cllr Heather Timms), Shell (John Carrier), Stratford-upon-Avon College (Alex Patterson), Sunrise Biodiesel (Andy Stevenson), Tenby Consultancy Group (Trevor Floyd), University of Warwick (Nick Hillard), Warwick DC (Cllr Alan Boad), Warwick DC Action 21 Energy Group (Richard Hicks), Warwickshire Police (Robert Bullock, Sue Simmonds), WCC (Bill Johnson, Cllr Martin Heatley), WEEAC (David Jullien), Willmott Dixon (George Martin), WRAP (Penny Holmes),
a	Support and maintain the existing Partnership and members - determine level of satisfaction, steering group meetings	Climate Change Team, WCC	ongoing					
b	Identify other interested parties and grow the Partnership	Warwickshire Climate Change partnership	ongoing					
c	Review and update the Warwickshire Climate Change Strategy	Warwickshire Climate Change partnership	Apr-08	Apr-09				
d	Support community groups to develop project plans	Climate Change Team, WCC	ongoing					
e	Take information gathered from the Reporting System interviews etc. and keep this Warwickshire Action Plan up to date.	Climate Change Team, WCC	ongoing					All Partners
f	Develop a climate change action plan	David Baxendale, NWBC	Oct-07	check				
g	Review and update WCC's carbon management action plan	Bill Johnson, WCC						
h	Develop a carbon management action plan	David Baxendale, NWBC	check					
i	Develop and implement a carbon management action plan	Craig Anderson, WDC	May-07	Oct-07	check			
46	Coordinate a Local Area Agreement Delivery Group for Environment and Climate Change	Glenn Fleet, WCC	ongoing					WCC (Andy MacDarmid, Jacky Lawrence), Nuneaton and Bedworth (John Hardman, Brent Davis, Chris Gray), Stratford DC (Paul Chapman), Warwick DC (Paul Leeman, Craig Anderson), North Warwickshire BC ( David Baxendale, Richard Dobbs), Rugby BC (Ian
47	Develop Useful Tools and Techniques to Aid Prioritisation of Actions							
a	Develop a method of non-financial project appraisal for low carbon projects with a payback of greater than 5 years.	Jacky Lawrence, Climate Change Team, WCC	Oct-07	Jul-08			Being trialled with Partners, March 2008	Climate Change Team (Jacky Lawrence), RBC (Stephen Marks), Peter Baynham (Eon), Bernard Perkins (Craydene Associates)
b	Determine the requirements of moving towards whole life costing.	Warwickshire Climate Change Partnership Steering Group	Dec-07				No project lead yet	
48	Instigate the Transition Towns Initiative							
a	Develop Leamington Spa into a Transition Town	Robert Nash, Royal Leamington Spa Town Council	Sep-07	ongoing			Still some way off reaching the stage of defining projects, but some progress has been made. Main achievements since the exploratory meeting in September include:- 1. Steering Group reformed to embrace wider community and business interests. 2. First Meeting held on 20th November 2007. 3. Priorities for action agreed as follows:- a. Develop Mission Statement, b. Audit of existing Groups and individuals to establish current progress and the potential commitment to the objectives of the Transition Town Project; c. Through the audit, invite key groups and opinion formers to a series of "open space" events to develop key topics of relevance and encourage them to undertake awareness raising activities; d. Identify possible opportunities in the short term to raise the profile of the Project and Climate change issues generally; e. Work toward the unleashing of the Project in September, 2008.	Warwick Action 21. Various representatives from community and charitable organisations, Psychotherapists and Counselors for Social Responsibility (PCSR), Henry Doubleday Research Institute, FoE, Cliffe's Allotments.

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