

Warwickshire Climate Change Partnership

At the 8th Steering Group of the Warwickshire Climate Change Partnership Meeting (Tuesday 13th March 2007) it was agreed that the following metrics be reported (or a methodology be identified to report on in future years) on in the first annual report.

	Metric	Existing Data Sources?	Develop Methodology?	Commentary
	Strategic			
1	Number of web hits on the Warwickshire Climate Change Strategy and Partnership web pages. Information available from EED Library & Information			Report in the Annual Review on a case study basis.
	Energy	To reduce greenhouse gas emissions through improving energy efficiency, minimising waste and increasing the use of renewable sources of energy.		
2	Energy usage in Warwickshire CC run buildings and activities (e.g. total employee business miles travelled) (to show leadership). Carbon Management Action Plan 2002/03		Interview Corporate Energy Manager	Update WCC Carbon Management Action Plan.
3	Collect data on larger scale renewable energy installations (location, installed capacity and output) in Warwickshire. Reported in the OFGEM ROC register.		Obtain information from Eon interview with stakeholder manager, Peter Baynham, Strategy and Business Development, Energy Services, M ++44 (0)7989 700103, E-mail: peter.baynham@eon-uk.com Interview with Bob Ferris and Martin Orme	Ecotec Stats Report May not be necessary if data available from Connection and innovation managers. Completed - will keep us informed
4	Collect data on domestic scale renewable energy systems (systems not on the ROC register). The ROC register does show some domestic scale installations.		Survey population Contact planning officers Contact installers Contact DTI Low Carbon Buildings Programme grant administrators Contact Central Networks to determine permissions	Quite time consuming but possible. WDC Action 21 Renewable Energy Club starting up, which will gather data in WDC area only. Ecotec Stats Report On a case study basis
5	Determine the number of social housing with renewable energy on site. Ofgem database shows some small scale.		Contact Housing Associations Contact District / Borough Council Planning Departments	Quite time consuming but possible. On a case study basis
6	Determine the number of public buildings / schools with renewable energy on site. Ofgem database shows some small scale.		Contact District / Borough Council Planning Departments Contact WCC Resources - Property	Quite time consuming but possible.
7	Determine the amount of energy efficient housing built.		Contact housing developers	Quite time consuming but possible. Only on a case study basis
8	Determine the number of renewable energy planning permission's granted, bearing in mind that some renewables don't always need to go through planning process, e.g. solar thermal. http://maps.restats.org.uk/run.irdh?request=public&ird_id=Q7537ocO2EW59Qg571kg This website allows you to do this for the WM.		Contact LAs.	Quite time consuming but possible. Extracting Warks data should be possible. However there are zero under consideration at the moment in the whole of the WM - which I don't believe (though it could be true). I think this is based on a survey of LA's.

GR	not collected
JL	all / any of us
EC	
Ecotec	

The term 'metrics' refers to measures of performance, such as indicators, targets, or benchmarks, which are used to assess and monitor

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9 Collect data on the number of CHP schemes (location, installed capacity and output) in Warwickshire	Ofgem database National Grid 7 Year Statement.		Ofgem database hasn't been updated the CHPqa database (held by AEAT for DTI) which is much more up to date and shows output as well as capacity.
10 Consumption of natural gas by domestic, commercial & industrial users by district and per consumer (2 year time lag)	DTI stats	Survey partners about Building Energy Management, waste and recycling, staff travel and vehicle fleets	Ecotec Stats Report Quite time consuming but possible.
11 Consumption of electricity by domestic, commercial & industrial users by district and per consumer (2 year time lag).	DTI stats	Survey partners about Building Energy Management, waste and recycling, staff travel and vehicle fleets	Ecotec Stats Report Quite time consuming but possible.
12 Reporting on electricity consumption at Bulk Supply Points).	Eon network data 2007	Contact Eon Contact Phil Wilson / Bob Taylor, Eon	Depends on the match with county boundaries. Data received for the 2006 'Switch it Off' campaign
13 Total energy consumption by Industry & Commerce.	DTI stats		Ecotec Stats Report
14 Total energy consumption figures.	DTI stats		Ecotec Stats Report
15 Carbon dioxide emissions by sector.	DTI / DEFRA stats		Ecotec Stats Report
16 Carbon dioxide emissions by district.	DTI/ DEFRA		Ecotec Stats Report
17 Predictions of future energy consumption and emissions.	National projections	Could use or could use the REEIO model (which WMRO have).	Preference - the national data. Ecotec Stats Report
18 Progress on delivering the targets in the Home Energy Conservation Act.	WEEAC / HECA reports from the LA's.	Contact WEEAC Contact LA's	LAA reporting process
19 Reporting on LA HECA schemes (fuel Poverty action) (loft / cavity wall insulation etc.)			

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	WEEAC / HECA reports from the LA's.	Contact WEEAC Contact LA's only if data not available from WEEAC	WEEAC calculate the % improvement for HECA for all Warwickshire LAs except North Warwickshire (who do their own). This is based on the results of surveys WEEAC carry out during the year. The next results are required for the year 2006-07 and WEEAC will be doing the calculations some time after the year end (31 March 2007). WEEAC will also get the results of the home energy surveys converted into approximate SAP ratings for each local authority, so they can see how much the average is improving. (Some times it gets worse if the sample WEEAC take is too small or they're just unlucky with the selection). LAA reporting process
20 Contacting electricity / gas suppliers to determine if their Energy Efficiency Commitment work can be broken down into county [see EEC website].		Contact all suppliers, provide them with post codes for Warwickshire.	OPUS Energy - EEC commitment is managed by Telecom Plus. Wayne Coupland is the contact. David Morris, however, runs their schemes for them. His contact details are: David Morris BA, MBA, DMS, Director & Energy Consultant, DPM Business Consultants Limited, Cornerfield Barn, High Street, Orston, Notts, NG13 9NU, Tel: 01949-851358, Mobile: 0783-788-6037, e-mail: david-morris7@btconnect.com (no response) Centrica sent data for 2006 Npower, Rob Knight, Product Manager, Energy Savings, T: 07766 443320 email: Rob.Knight@npower.com (not able to send data). EDF Energy, Simon Prendergast, Planning & Reporting Manager, Energy Efficiency Commitment, EDF Energy, 329 Portland Road, Hove, BN3 5SU, Internal: 748 5553, Office: + 44 (0) 1273 428553, Mobile: + 44 (0) 7875 110347, email: Simon.Prendergast@edfenergy.com, (sent data for 2006),
1 No of cavity wall insulation measures:- full / top-up /			
2 No of low energy lightbulbs			
3 No of hot water jackets			
21 Determine the reduction in carbon dioxide as a result of local actions in the domestic sector.		Tricky	Can only do on case study basis.
22 Determine the number of organisations in the Partnership who have improved their energy efficiency / taken action to reduce energy consumption.		Tricky Survey partners	Can only do on case study basis. Quite time consuming but possible.
23 Determine the CO2 savings from actions (energy efficiency in buildings, CHP, renewable energy installations etc.) taken by members of the Partnership.			

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		Survey partners Tricky	Quite time consuming but possible. Can only do on case study basis.
24 The number of organisations working with the Carbon Trust on Carbon Management Action Plans (CMAP).	Carbon Trust	Contact WM Regional Account Manager LAA reporting process	LAA reporting process 3 organisations have worked with the Carbon Trust to develop a CMAP: Warwickshire County 1 Council 2 University of Warwick 3 Coventry University
25 The number of businesses working with the Carbon Trust in other ways (interest free loans, site surveys (for companies with an annual energy spend of over £50k / number of information packs sent out).	Carbon Trust (Alex Perry 0207 170 7067)	Contact Carbon Trust	20 interest free loans in the CV postcode area to the end of Jan 2007 totalling £550,000. Best presented as a case study. Nationally: 5,000 site surveys carried out in 2005/2006; 20,000 telephone calls to the customer centre; 350,000 unique user website hits. Between 30/3/05 and 3/4/07 185 organisations in Warwickshire received a 'Carbon Trust product' 'Organisations' covers both public and private sector. Some organisations have received more than one product. 'carbon Trust products' includes all types of site surveys, post survey briefings and foundation steps, but DOES NOT include telephone advice, interest free loans or the public sector carbon management products
26 The number of organisations who have Energy Efficiency Accreditation, or who are working within the Energy Efficiency Accreditation Scheme (EEAS).	NEF (Penny.Townsend@nef.org.uk) / Tenby Consultancy	Contact National Energy Centre, National Energy Centre, Penny Townsend, Marketing Manager, Energy Efficiency Accreditation Scheme, Davy Avenue, Knowlhill, Milton Keynes, MK5 8NG, 01908 354541, Email: penny.townsend@nef.org.uk, http://www.eeas.org.uk	76 organisations in Warwickshire have expressed an interest in working with EEAS. Around 6 of these are currently actively working towards accreditation. 3 Partner Organisations are accredited: Coventry University, Nuneaton and Bedworth Borough Council, University of Warwick Best presented as a case study.
Transport	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.		
27 Number of cars / road vehicles licensed in Warwickshire by type.	DfT		Ecotec Stats Report

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28	Number of miles traveled by road vehicles in Warwickshire.	DfT / DTI		Ecotec Stats Report
30	Number of miles traveled in farming and off road.			May be impossible to collect data.
31	Amount of road transport fuel used in Warwickshire.	DfT / DTI		Ecotec Stats Report
32	Amount of aviation fuel used at Coventry Airport.		Modelling	They will be very cagey about it. Ecotec Stats Report
33	Determine the number of organisations in the Partnership who have improved their transport energy efficiency / taken action to reduce fuel consumption / got a green travel plan / car share scheme / coach scheme		Survey partners Contact Sustainable Travel Team	Quite time consuming but possible. On a case study basis.
34	Determine the CO2 savings from actions (energy efficiency in transport) taken by members of the Partnership.		Survey partners Tricky	Quite time consuming but possible. Can only do on case study basis.
Resource Efficiency		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).		
35	Determine the amount of water consumed in Warwickshire. Severn Trent		Survey Partners about amount of water used per building and in total Contact Severn Trent	Quite time consuming but possible. On a case study basis.
36	Determine the number of Partners with an environmental management system in place.		Survey Partners	Quite time consuming but possible.
37	Determine the number of Partner organisations with sustainable procurement strategies in Warwickshire.		Survey Partners	Quite time consuming but possible.
38	Determine how much renewable energy is procured [number of organisations in the Partnership who buy green energy].		Survey Partners	Quite time consuming but possible.
39	Determine the number of Partner organisations with a waste minimisation strategy in place and the impact of them.		Survey Partners	On a case study basis.
Adaptation		To introduce climate change adaptation fully in all new and reviewed policies and related activities, and minimise future risk through appropriate adaptation measures		
40	Determining the number of relevant strategies / policies / plans that now include climate change.		Initial Strategy Audit Update -contact all strategy owners to determine words used in strategy.	Completed April 2007 By April 2008
Communications and Education		To introduce climate change adaptation fully in all new and reviewed policies and related activities, and minimise future risk through appropriate adaptation measures		
41	The number of published carbon reduction case studies produced by Warwickshire Partners.		Develop proforma for business case studies Develop proforma for community groups & schools case studies Develop proforma for individuals case studies Contact Partners and prepare full case studies	Completed Completed Completed On full case study basis only Completed so far: Wolseley Stratford Methodist Church Keith Sinfield
			Prepare summary case studies	10 completed for Summary Annual review

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		Prepare summary case studies	42 to be completed for Full Annual Review 2007
42	Number of people advised by the Warwickshire Energy Efficiency Advice Centre. WEEAC	Contact WEEAC	On a case study basis
43	Finding out if attitude / public opinion / perception is changing.	Develop questionnaire Survey population Analyse results at least annually	Completed On-going perception survey For annual case study
44	Determine the number of organisations who have participated in any of the actions in the Action Plan.	Survey Partners	On a case study basis. Quite time consuming but possible.
45	Determine the number of installers, distributors, builders merchants, retailers of renewable and energy efficiency products / equipment there are in Warwickshire and their activity in Warwickshire (begin to develop lower carbon technology supplier list and a product update list).	Survey all installers, distributors, builders merchants etc. Contact WEEAC Contact Wolseley	Tricky - its quire easy to find a list of all the companies but identifying which ones do some / all efficient products isn't easy. WEEAC have no list of renewable contractors, but they will ask EST how many LCB grants they've provided in Warwickshire. WEEAC to contact the installers on their list to see what they've done in the way of insulation and heating measures. Note - that this will be a very small proportion of the total number of contractors working in the area. WEEAC to provide the number of people they've given individual advice to and the number of people who've carried out a DIY survey of their home. WEEAC also to provide data on how many have been referred to EEC schemes.
46	Find out the number of Warwickshire nominees for the Daily Telegraph Carbon Innovation Awards.		May not be possible.
Miscellaneous			
47	Gather statistics which help to "normalise" data. For example: Number of homes in the area Number of businesses in the area. Some measure of business activity	Contact Warwickshire Observatory Contact Regional Observatory if necessary	
48	Determining non-energy sources of CO2 emissions (e.g. cement kilns in Rugby) Defra (netcen) stats.		Ecotec Stats Report
49	Develop commentary on: 1 Trends since the last statistics report (2003/4 data). 2 Impact of weather correcting. 3 Energy intensity (GWh/GVA) tracking.		Ecotec Stats Report May not be possible Ecotec Stats Report