

Gloucestershire Climate Change Action Plan 2011/12

The strategic plan for delivering climate change activity in Gloucestershire

Introduction

Gloucestershire Environment Partnership (GEP) was reviewed in 2010/11 as part of the wider Gloucestershire Conference review. The GEP Board agreed that it should transform into a climate change partnership in line with its refocused priorities. Work is underway to have the new partnership in place by autumn 2011. This plan includes interim improvement activities and indicators during this period of transition, and will be reviewed by the new partnership board.

Priority Outcome 1 – Carbon Reduction Activities

Outcome Sponsor – Nigel Riglar, GCC

Outcome Lead – Kierson Wise, SWEA

Priority Outcome: Reduction of per capita CO₂ emissions from the local authority area.

1) Why is this a priority?

The impact of Climate Change on our global environment and economy is an international priority, and the reduction of Green House Gas (GHG) emissions (Primarily CO₂) is a core element. The EU signed the Kyoto Protocol in 1998, binding us to reduction targets. This has been further updated by the Climate Change Act 2008, which sets out UK reduction targets and timescales – including a reduction in CO₂ emissions of 26% nationally by 2020 (1990 baseline) and 80% by 2050.

2) Where do we want to be in three years time?

This is a long term priority with ever increasing urgency. Current aspirations in Gloucestershire are:

- To reduce area wide per capita CO₂ emissions by 7.8% (from 2005 levels) in 2010/11, then 9.1% in 2011/12
- To have a strong and thriving low carbon economy in the county
- To have an increasing share of county energy needs supplied by locally generated renewable heat and electricity
- To have put in place a detailed and robust action plan for continuing per capita CO₂ emission reduction to meet the UK 26% reduction by 2020 target

1) What we will do this year

Improvement Activity	Planned Benefits	Key Resources	Dates	Lead	Partners
Low Carbon Public Sector	<ul style="list-style-type: none"> • Reduction in CO₂ emissions from public sector operations • Reduction in CO₂ emission from schools • Increase in the number of individuals, organisations and businesses taking part in the 10/10 campaign • New renewable energy installations in public sector organisations – number and installed capacity 	Local authorities Young Energy People (YEP)	Annual review	Nigel Riglar (GCC)	Glos County Council (GCC); Severn Wye Energy Agency (SWEA); District Authorities; NHS Trust; Glos Constabulary; Uni of Glos

<p>Low Carbon Business and Industry</p>	<ul style="list-style-type: none"> • Establishment of size and composition of the environmental technology sector and develop programme for increasing GVA contribution from this sector • Increased number of local accredited installation businesses listed on the Sustainable Energy Installer Network list • New renewable energy installations in private sector organisations – number and installed capacity 	<p>Carbon Trust GFirst SWEA T2050 programme</p>	<p>Annual review</p>	<p>GFirst SWEA SWEA</p>	<p>GFirst SWEA Business Link</p>
<p>Low Carbon Households and Communities</p>	<ul style="list-style-type: none"> • Continued insulation measures installed under Gloucestershire Warm and Well scheme • Increased number of insulation measures installed in vulnerable households (define?) • Increased number of sustainable energy measures installed in social housing • Increase in number and capacity of new domestic renewable energy installations • Increase in the number of households engaged in behavioural change programmes • An increased number of 'hard to treat' exemplar properties. • Increased number and capacity of new community renewable energy installations. 	<p>Warm and Well Feed in Tariff Renewable Heat Incentive (RHI) CERT/ECO Landfill Tax funds</p>	<p>Annual review</p>	<p>SWEA</p>	<p>SWEA District Authorities Registered Social Landlord's (RSL) GCC Glos Environment Trust</p>

2) How will we know what difference we have made?

Indicator	Baseline	Target	Lead	Links
Per capita CO₂ emissions in LA area	2005 – 7.6 tCO ₂ 2008 - 7.2 tCO ₂	9.1% reduction by 2012 (2005 baseline)	K Wise (SWEA)	Annual data published by DECC
CO₂ reduction from Local Authority and other public sector operations	185,397 tCO ₂	10% reduction by 2012 (GCC)	Tony Childs (GCC)	Annual data published by LA's
Number and capacity of renewable electricity schemes in the county	2010 Total capacity – 17.064MW Total projects - 388	20% increase by end 2012	K Wise (SWEA)	OFGEM – FIT data Annual regional renewable energy survey
Number and capacity of renewable heat schemes in the county	2010 Total capacity – 14.332MW Total projects - 670	20% increase by end 2012	K Wise (SWEA)	OFGEM - RHI data Annual regional renewable energy survey

3) **Resources** – FITs, RHI, EU funding (Intelligent Energy Europe, ELENA, European Energy Efficiency Facility (EEEF), LA funds, landfill tax funds via Gloucestershire Environment Trust (GET), Energy supplier funding via CERT, green tariff funds, charitable trusts

4) **Key risks** - resources, commitment and communication

Mitigating actions – see Partnership Risk Register (to be reviewed)

<http://www.glosep.org.uk/docs>

5) **Related Documents and References**

- Regional Renewable Energy Progress Report 2011
- DECC Per Capita Emissions data release 2008 -

http://www.decc.gov.uk/en/content/cms/statistics/climate_change/gg_emissions/uk_emissions/2008_local/2008_local.aspx

Priority Outcome 2 – Climate Change Resilience and Adaptation

Outcome Sponsor – Nigel Riglar, GCC

Outcome Lead – Colin Studholme, GWT

Priority Outcome: To ensure that Gloucestershire is prepared to meet the challenges of the changing climate by ensuring that climate change adaptation plans are developed at county and district levels.

1) Why is this a priority?

It is acknowledged that irrespective of whether we meet our targets for reducing greenhouse gases over the coming years, we are already at the stage where we will experience some degree of climate change. It is vital that Gloucestershire develop the adaptation plans necessary to protect both its communities and its natural environment.

2) Where do we want to be in three years time?

- a. All local authorities to have a fully completed climate change adaptation plan in place and to be actively involved in implementing the plan in collaboration with other stakeholders
- b. A more robust and resilient natural environment that is better able to withstand the pressure of a changing climate

3) What we will do this year

Improvement Activity	Planned Benefits	Key Resources	Dates	Lead	Partners
Resilient Households and Communities	<ul style="list-style-type: none"> • Secure ownership of Councils and their LSPs for the delivery of adaptation in the long-term • Improved integration with local resilience forum/planning • The development of five living landscape projects established in the county (landscape scale approach to conservation driven by Nature Map) • The Key Wildlife Sites (KWS) system becomes fully computerised and an action plan produced • Promotion of the findings of the State of the Environment Report • Maintain Gloucestershire rivers and lakes at 'good' ecological status based on the EU Water Framework Directive. 	Under review	Annual	Nigel Riglar (GCC) GWT GWT GWT EA	GCC SWEA District Councils RSLs Glos VCS Glos Wildlife Trust (GWT) Environment Agency (EA)

4) How will we know what difference we have made?

Indicator	Baseline	Target	Lead	Links
2011/12 climate change adaptation <ul style="list-style-type: none"> Climate change is recognised as a priority in each Council Strategy (or equivalent) and any broad strategic framework for Gloucestershire Maintaining rivers at 'good' ecological status Number of living landscape projects active in the county 	<ul style="list-style-type: none"> Gloucestershire local authorities are currently at 'Level 2: NI188' – comprehensive risk assessment undertaken 22% of rivers and 40% of lakes at 'good' status 2 active at present 	<ul style="list-style-type: none"> All 7 to have climate change as a priority by March 2012 2% increase in water courses at 'good' by 2015 5 active by end of 2012 	<ul style="list-style-type: none"> N Riglar (GCC) Dafydd Evans (EA) C Studholme (GWT) 	

3) Resources

Under review

4) Key risks Ongoing CO₂ emissions continue to increase the likelihood of climate change related impacts but limited resources available for adaptation and resilience measures

Mitigating actions see Partnership Risk Register (to be reviewed): <http://www.glosep.org.uk/docs>

State of the Environment Report (GWT)

5) Related Documents and References

EU Water Directive Framework - <http://www.environment-agency.gov.uk/research/planning/33106.aspx>