



Cornwall Sustainable
Energy Partnership

Cornwall Sustainable Energy Partnership

Autumn 2006 Newsletter

Dear Partners

What a time to be working in sustainable energy! The international, nation, regional and (unfortunately to a much lesser extent) local media has been really going to town on climate change, peak oil, energy costs and energy security. The important and high profile [Stern Review on the Economics of Climate Change](#) has, hopefully, had a real impact on the Government. In the next few weeks and months we can expect major announcements such as a Planning Policy Statement on Climate Change and the consolidation of the roles of Local Authorities in addressing climate change.

The stark warnings within Nick Stern's Review are, indeed, frightening! In order to stabilise at manageable levels, emissions would need to stabilise in the next 20 years and fall between 1% and 3% after that. This would have an annual cost which is equivalent to 1% of our GDP¹. If translated this means a cost of approximately £56.5 million per annum to Cornwall, based on 2003 figures.

The urgency of those warnings in the Review is evident - if we fail to take action now it concludes that the 1% will stretch to 4 or even 5% of GDP in the next twenty years. Anyone who says - 'why bother there's no point - leave it to others' and - unfortunately - we still have a very small minority who do and who still manage to get media coverage, are literally burying their heads in the increasing sands of famine, drought and economic disaster. These vocal sceptics do not want to leave a legacy of hope for future generations.

I was privileged to be asked by the Treasury to speak at an event which coincided with the launch of the Stern Review. The event was attended by Chief Executives and Chief Finance Officers from councils across the UK. The session was chaired by the Government's Chief Micro Economist and also involved Chris West, the Director of the UK Climate Impact Programme as the other speaker.

Since becoming involved in the development and management of the Cornwall Sustainable Energy Partnership in 2000, I have become increasingly convinced that it is possible to turn the tragedies of climate change and unsustainable energy use into an economic opportunity. I also believe that Cornwall, with its forthcoming Convergence Programme and the adequate support of centralised government now has the opportunity to read the *climate change and energy sustainability runes* and take a lead - ploughing back real benefits into our local economy. The work on Strategy and Action is now near to completion following an extensive period of consultation. I am pleased to say

¹ The 1% is designed to deliver 60% CO₂ savings by 2050.

The aim of the CSEP newsletter is to facilitate the exchange of news and information within the Partnership, in order to promote more joined up working and collaboration.

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that 'energy' remains in the top priority list. This fits in very well with the European Commission's aspirations for Cornwall.

Last month I spoke at two sessions in the European Week of Regions in Brussels as well as at the CPMR Energy Conference in Pamplona. There is no doubt that we have a lot to learn from some of our European partners. Next year, in April CSEP will be hosting its fourth conference. At that event we hope to be able to highlight some of Europe's best practice examples in placing energy at the heart of the economy.

As far as the Partnership is concerned speaking at the high profile event at the Treasury was tinged with irony. It was the day before the last day that our work was funded by the Energy Saving Trust. It was a recent reinterpretation of a VAT rule from HM Revenue & Customs that led to the curtailment of the funding for a programme to support local authorities. Funding which created a support team to make the management of CSEP possible.

I am pleased to be able to say that as well as each of our Beacon Councils continuing to be very supportive, we are in discussions that will, I believe, lead to achieving a delivery mechanism for an economic / energy programme that will yet again place Cornwall at the forefront of innovation.

The hard work of the CSEP team continues unabated. This newsletter highlights much of their excellent work, but primarily it highlights the wonderful work of those organisations and individuals in the Partnership that places Cornwall in such high regard within the UK Government (see our mention in the Local Government White Paper) and in Europe.

I very much hope that you will be able to attend our Annual Meeting on 4th December. If you have not already registered please do so as soon as possible. At the point of writing we already have nearly 100 registrations for the meeting. The guest speaker is Ray Morgan, the Chief Executive of Woking Borough Council. Woking is way ahead of most other local authorities in its investment and operation of effective energy services.

See you there!

Tim German
CSEP Director
2 Nov 2006



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Activities and updates since the last newsletter:

SA = Strategy Action (followed by No. of the relevant action in the *Energy Strategy for Cornwall*)

(SA2) ESCO DEVELOPMENT

CSEP and *Camborne Pool Redruth Regeneration* are arranging a visit for CPRR board members to Woking in November to find out more about the Thameswey Energy Services Company there. The CPRR Board has identified ESCo formation as a project in its Draft Investment Programme for the CPR Economic Growth Zone. A follow up meeting has been arranged with *Woking Borough Council's* CEO, Ray Morgan, in December. CSEP Contact: Dionne Jones.

(SA3a) NATIONAL & REGIONAL STRATEGIES & FUNDING

Regional Spatial Strategy

CSEP submitted a response to the consultation on the draft RSS at the end of August. The response included the recommendations from the CPR Energy Feasibility Study carried out for the Camborne Pool Redruth area by Element Energy.
CSEP Contact: Dionne Jones.

Local Government White Paper

The long-awaited [Local Government White Paper](#) has been published. It includes new proposals to strengthen leadership and devolve power to local government as well as providing a major expansion of opportunities for local people to influence local decision-making and improve their lives. Cornwall's Energy LAA Outcome gets a mention on p.50 of [Volume 2](#).
See the [DCLG Press Release](#).

In response to an invitation accompanying the LGWP, *Cornwall County Council* and *Exeter City Council* now have until **January 25, 2007** to submit bids to become unitary authorities.

(SA3b) EUROPEAN FUNDING & POLICY

ASPIRE (Achieving Sustainability in Peripheral Regions of Europe)

The ASPIRE project aims to develop a delivery pathway for creating a sustainable energy community in peripheral areas. For the UK component, *CSEP* will draw on the issues in the CPR regeneration area in Kerrier. The project involves 12 partners in Cornwall, Latvia, Finland, Italy, Sweden, the Czech Republic, Spain, Romania and Estonia. *CSEP*, *Cornwall County Council* and *CPR Regeneration* hosted a high profile kick off meeting for the ASPIRE project at the Bedruthan Steps Hotel on 19th & 20th October. Delegates were taken for a tour of Camborne, Pool and Redruth, including stops at the CPR Learning Space and King Edward Mine to learn more about the

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heritage, issues and aspirations for the area. The partners ended 2 days of workshops and discussions with a visit to the Eden Project.



Above: The ASPIRE project partners. 20 Oct 2006 Photo: Brian Shipman, CCC

Funder: European Commission - Intelligent Energy Europe programme.

Project website: <http://www.aspire-project.eu/>

CSEP Contact: Lindsay Knuckey.

Kyoto in the Home (KitH)

This is a 13-partner European project to develop renewable energy teaching tools for schools. Partner suggestions for refinements to the wind module draft have been integrated with the aim of getting the final draft approved for translation at the next meeting of the partners in Hungary. The Team aims to send out invitations to primary schools (Eco Schools plus those involved in CRI applications) who may be interested in piloting the programme towards the end of 2006 and will be selecting schools, on a first come first served basis, to begin working with CEP in the New Year to prepare the ground work for the rollout of the programme's trials.

CEP Contact: Ben Simpson.

Weblink: <http://www.csep.co.uk/page108g.html> and www.kyotoinhome.info

CoR Open Days 2006

Tim German presented at the *Committee of the Region's* 2006 [Open Days](#) event. The theme for this year's event was '*Investing in Europe's Regions and Cities - Public and Private Partnership for Growth and Jobs*'. Up to 80 seminars and workshops were held in Brussels during the Open Days week, which took place between 9-12 October.

Weblink: http://www.cor.europa.eu/en/activities/open_days.htm

CSEP Contact: Lindsay Knuckey.

Energy for the Periphery Conference

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Tim German also presented at the 'Energy for the Periphery' Conference that took place in Navarra, Spain, on 5-6 October. *Cornwall County Councillor* Jeremy Rowe also chaired one of the conference sessions. The event was hosted by the *Government of Navarra* and was organised by the *CPMR Energy Working Group* to present the conclusions of three seminars held during the past 12 months, the first of which was held in Cornwall last September. The conference brought together representatives of CPMR member regions and the European Union to discuss the specific energy needs and opportunities in the Peripheral and Maritime Regions of Europe.

Funder: Intelligent Energy Europe

Weblink: <http://www.cenifer.com/pages/nivel2.asp?idm=eng&idAp=4&idSub=20>

CSEP Contact: Lindsay Knuckey.

European Action Plan for Energy Efficiency: Realising the Potential

In October the European Commission published the European Action Plan for Energy Efficiency which contains a package of priority measures covering a wide range of cost-effective energy efficiency initiatives. These include actions to make energy appliances, buildings, transport and energy generation more efficient. Stringent new energy efficiency standards, promotion of energy services, specific financing mechanisms to support more energy efficient products are proposed. The Commission will furthermore set a Covenant of Mayors of the 20-30 most pioneering cities in Europe and will propose an international agreement on energy efficiency. Altogether, over 75 measures are set forth.

Weblink: http://ec.europa.eu/energy/action_plan_energy_efficiency/index_en.htm

(SA4) COUNTY STRATEGIES & PLANS

Strategy and Action

The consultation on [Strategy and Action](#) (the economic development strategy for Cornwall up until 2021) closed on 31st October. CSEP has provided input on the energy aspects of the draft strategy, which now includes an energy priority. The revised document will be officially launched in November. CSEP Contact: Lindsay Knuckey.

(SA5) DISTRICT STRATEGIES & PLANS

Camborne Pool Redruth Area Action Plan

CSEP has requested that Kerrier District Council incorporates the recommendations from the Element Energy [CPR Sustainable Energy Feasibility](#) study into the CPR AAP. The recommendations include:

- Buildings should be constructed to a standard that achieves a CO₂ reduction in new *dwellings* which is at least 10% higher than that required by Part L 2006
- All office buildings to reduce CO₂ emissions by 25% relative to ECON 19 benchmarks for a good practice mechanically ventilated office.
- Buildings should be designed wherever possible to facilitate future retro-fit of microgeneration technologies.

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Weblink: <http://www.kerrier.gov.uk/index.cfm?articleid=17973>

CSEP Contact: Dionne Jones.

Protocols and Declarations

Kerrier District Council has signed the [Nottingham Declaration](#), the [FEDARENE Declaration](#) and the [SW Wind Protocol](#).

Restormel Borough Council, Penwith District Council and the *Council of the Isles of Scilly* have all signed the Nottingham Declaration.

(SA7) GIS MAPPING

Hot Spots

Community Energy Plus is rolling out the second phase of the 'Hot Spots' GIS mapping fuel poverty project. 'Hotspots' is an adaptation of the already successful and award winning Home Health scheme and a *Creative Environmental Network* project which has operated successfully in the London, Lewisham area. GIS mapping technology is used to overlay key social and statistical data onto maps, highlighting the areas that can benefit most from energy efficiency measures. 5000 letters have now been sent to homes in Carrick inviting them to apply for free insulation.

Funders: *Carrick District Council, EDF Energy* and the *Energy Saving Trust*.

CEP Contact: *Cornwall Energy Efficiency Advice Centre* on freephone 0800 512012.

(SA8) FUEL POVERTY & ENERGY EFFICIENCY

Health Conference

An interactive conference was held at the *Eden Project* on 24th October to engage health professionals on energy, fuel poverty and climate change issues. The event enabled health professionals, social services, benefits advisors and the emergency services to identify ways of increasing joined-up working with other front-line organisations like *Cornwall EEAC* and *Age Concern*. The event was organised by *Community Energy Plus* working in partnership with the *South West Peninsula Strategic Health Authority, the Peninsular Medical School* and *EAGA Partnership*.

CEP Contact: Julia Tibbett on 01209 614975 or email julia@cep.org.uk

(SA9) HOME HEALTH

CEP is working in partnership with all 6 *district/ borough councils* on the development and delivery of a new £1m+ programme of [Home Health](#) projects in private tenure homes across Cornwall, utilising funding from the LPSA Reward, Private Sector Renewal and utilities. CEP is piloting a new approach to delivery of the Home Health projects which involves partnership working with key agencies that are in contact with vulnerable households. CEP is also leading outreach work with the occupants of 75 HMO's in Carrick. Since April 2006, the Home Health project has installed insulation in 637 homes in Cornwall and work continues across the county.

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To check eligibility for/ location of Home Health projects please call *Cornwall Energy Efficiency Advice Centre* on freephone 0800 512012.

(SA10) ABLE TO PAY PROGRAMMES

Cornwall Energy Efficiency Advice Centre can give householders free and impartial advice on the grants available for insulation in Cornwall. Every owner occupier and private rented household is eligible for at least a partial grant, and in some cases, households claiming entitlements are eligible for 100% grants.

CEP Contact: Freephone 0800 512012

(SA11, SA13, SA15, SA21) RENEWABLE ENERGY INSTALLATIONS

Local Area Agreement stretch target

CSEP greatly appreciates the help of the following partners with data collection for the LAA microgeneration stretch target:

[Aeolus Power](#) (Gloucs.), [Beco Solar](#) (Devon), [Carrick Housing](#) (Truro), [Celtic Solar](#) (Launceston), [Earth Energy](#) (Falmouth), [Eco Heat Pumps](#) (Truro office), [Kensa Heat Pumps](#) (Falmouth), [Lorne Stewart](#) (Truro office), [Microgeneration Ltd](#) (Millbrook), [Plug Into The Sun](#) (Penzance), [Trenowin Independent Energy](#) (Penzance), [Segen](#) (Aldershot), [Solar Flair](#) (Truro).

Between 1 April and 30 Sept 2006, the above installers fitted 101 community and domestic buildings in Cornwall with microgeneration measures totalling 550 KW of installed capacity. Of these, the number of installations by district are:

Carrick	65
North Cornwall	18
Penwith	8
Kerrier	4
Caradon	3
Restormel	2
Tbc	1

Web: <http://www.csep.co.uk/page107g.html> (CSEP LAA page)

CSEP Contacts: Will Wason and Dionne Jones.

Mass Heat Pump installs in Carrick

Carrick Housing is making use of Decent Homes funding and the *Powergen* HeatPlant scheme to carry out a programme of mass heat pump installations in off-gas homes across the district. This work is making a substantial contribution towards achievement of Cornwall's LAA microgeneration stretch target. Since April, *Earth Energy Systems* have installed 56 GSHP's, totalling 259 kW, to Carrick Housing properties in Perranporth, Gwenapp, Frogpool, Chacewater and Newlyn East. The heat pumps will provide heating for radiators and all domestic hot water. Internal retrofits are being carried out by Carrick's in-house installation teams. This project was recently featured by BBC Spotlight.

Cornwall's first working ZED build

The first working ZED building in Cornwall has been completed on a previously derelict site at Jubilee Wharf in Penryn. The multi-purpose new build scheme includes community workshops, studio space, flats and a community centre (to include child care, community café, office space and business units). The innovative building was designed by *Bill Dunster Architects* with the aim to be carbon neutral. The project included a series of open days for local residents and talks at planning committee meetings to raise awareness about the renewable energy technologies. Sustainable energy elements of the scheme include:

- Typical U values of 0.1 W/m²K (equivalent to 300mm of rockwool insulation)
- High thermal mass and passive solar gain.
- Tested to an air tightness of 2 air changes at 50Pa to reduce infiltration losses.
- Passive heat exchange units recover 70% of heat (excluding workspaces)
- 4 X 6kW Proven wind turbines which will generate 50% of on-site electrical demand annually.
- A 75kW wood pellet boiler providing hot water and under floor heating.
- Evacuated hot water tubes preheat water throughout the year (excluding workshops)
- Upgrade fixing locations for PV and wind turbines to enable the development to eventually become carbon negative.
- The development was raised 1m to cover a 1 in 200 year flood (realistically a 1 in 50 year flood with current sea level change).
- A green transport plan with the use of public transport and bicycle parking.



Left: The Jubilee Wharf development with 4 Proven wind turbines in the foreground.

Contact: Bill Dunster at mail@zedfactory.com

ZED factory website: <http://www.zedfactory.com/>

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Client: Andrew Marsden, Robotmother Ltd., Falmouth.

Engineers: Mark Lovell Design. Contractor: Midas.

Funder: Objective 1 ERDF (£507,137 towards a £1,656,293 project).

Cornwall's first Community Wind Project

A 15kW Proven wind turbine was installed at South Wheatley (nr. Launceston) in October. It will serve 70% of the hamlet's overall electricity needs, save 20 tonnes of CO2 a year and generate an income of about £3000/yr which will be used to provide green grants for energy efficiency measures in up to 30 local homes. The turbine will be run by *South Wheatley Renewable Energy Trust* as a non-profit making company.

The Right Reverend William Ind, the Bishop of Truro, and the Reverend Geoffrey Pengelly, the local vicar, blessed the new turbine and flicked the switch to a greener future at a public launch event on Saturday 28th October.

Contact: Bill Andrews - ANDREWSWbaent@aol.com



Villagers listen to Bishop Bill's dedication.



Celebrating the launch of the community wind turbine, from left, local vicar Rev Geoffrey Pengelly, Bill Andrews, Bishop Bill and Andrew Griffin, farmer.

Funders:

50% Clear Skies,

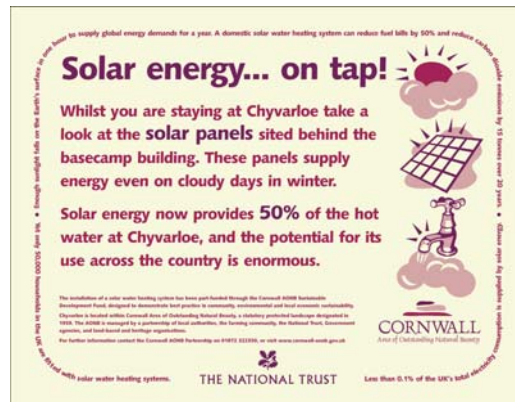
49% EDF Energy Green

Fund (£20,200),

£1000 from ITV SW Best Community award runner up prize.

Solar Basecamp for National Trust

The National Trust has installed solar water heaters at its Chyvarloe Basecamp near Helston. The solar water heaters will provide the Basecamp with hot water from solar energy, which provides accommodation for the hundreds of volunteers each year undertaking practical conservation tasks on Trust coastline within the Cornwall Area of Outstanding Natural Beauty (AONB).



Funder: £5000 from *Cornwall AONB Partnership's* 'Sustainable Development Fund',
Contacts: Ed Thompson or Karen Johns, Cornwall AONB Unit 01872 322350
Mike Hardy, National Trust Project Manager: 01326 561407 / 07968 177 775 -
mike.hardy@nationaltrust.org.uk

(SA12) PARISH COUNCILS

Climate Friendly Parish Programme

The *CEP Community Climate Change Forum* is supporting *Cornwall Friends of the Earth* on an initiative to enable St Endellion in North Cornwall to become a Climate Friendly Parish. The project plans include a baseline survey (including door to door surveys), green travel proposals (car sharing, home working, reducing air travel), biofuels, local seasonal food, energy reduction, insulation measures, low energy lightbulbs, behavioural advice, education, a reading and discussion group, green tariffs, increasing recycling and possible micro-renewable projects.

Partners: *Community Energy Plus, Cornwall FOE, Cornwall College, Energy Saving Trust, Local Works, Cornwall Switch, LA21 group, St Endellion Parish Council.*

CEP Contact: Ben Simpson.

(SA14) RENEWABLE ENERGY TARGET

Cornwall has a target to achieve 93 - 108 MW of grid connected renewable electricity generating capacity by 2010. Some data collection work for recent installations was carried out by Kieran Highman, who was on a student work placement with *CSEP*, during the summer. Will Wason will be contacting partners in December to check and

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collect further data for the 2006 *RegenSW* annual survey of renewable energy installations. The county's current installed capacity now stands at 54 MW renewable electricity. Add to this Cornwall's 2 MW of renewable heat generating capacity and the county's current total of renewable energy generation is 56 MW.

The breakdown of installed capacity for all RE technology and project types is:

District	Installed Capacity (Electrical)	Installed Capacity (Thermal)	Total
North Cornwall	23.178	0.423	23.601
Carrick	13.503	0.381	13.884
Kerrier	10.810	0.661	11.471
Caradon	6.329	0.147	6.476
Restormel	0.472	0.445	0.917
Penwith	0.045	0.224	0.269
TOTAL	54.337	2.281	56.618

The Isles of Scilly has reported 0.03 MW installed capacity from 2 GSHP schemes.

CSEP Contact: Will Wason.

(SA16) MODEL PLANNING POLICIES

After a presentation by Craig Frost of the *Regional Assembly* at the CSEP [Sustainable Energy Planning Group](#)'s September 2006 meeting, the group agreed to put this work on hold until the Assembly has completed research into the viability of including a carbon neutral policy and higher RE integration targets in the Regional Spatial Strategy. This is to ensure that the proposed Cornwall-wide RE model planning policy is aligned with the new regional policies. CSEP Contacts: Tim German & Dionne Jones.

(SA17, SA18) SEA POWER

Surfers and Wave Hub

Following on from national TV and newspaper controversy, *CSEP* hosted a meeting between concerned surfers and the *Wave Hub* project developers. *Surfers Against Sewage* and the *British Surfing Association* were invited to join the project stakeholders group from the outset and SAS are campaigning in support of the project. Dean Miller at the *Camborne School of Mines* recently published a peer

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reviewed paper in the prestigious *Oceans Science Journal* that analyses the impacts upon surfing waves. CSEP Contact: Tim German.

(SA19, SA20) BIOMASS

SW Bioheat Programme

RegenSW has been awarded over £½ million for a new programme that will assist biomass projects above 150kW in the region. It will champion the installation of bioheat systems, encourage and support new fuel suppliers and provide recognised training programmes across the region. The programme has a target to enable a 32MW biomass pipeline to be developed across 40 sites in the SW region. Regen SW is currently inviting expressions of interest for the Demand Creation Contract for the bioheat programme. The deadline for EOIs is **13th November 2006**.

Funders: *SWRDA, Forestry Commission*.

Contact: ahjohnston@regensw.co.uk

Wood Fuel South West Advice Service

A new initiative has just been launched to provide free technical advice, support and grant aid to householders, communities, schools, businesses and the public sector for smaller scale wood heating proposals in the SW region (automated boiler systems under 150kW). A dedicated phone line has been set up, information packs developed and, where appropriate, projects may be eligible for an on-site consultation visit from a renewable-energy expert. The service is being managed by the *Centre for Sustainable Energy* with a network of local delivery partners, including *Community Energy Plus*, carrying out site visits to help progress the most viable schemes.

Funders: *Woodland Renaissance* (£152,262), *South West Protected Landscapes Forum* (£95,000) and the *Forestry Commission*.

CSE Contact: Wood Fuels South West Advice Line: 08450 74 06 74.

CEP Contact: Andrew Walters or Dionne Jones.

Grants for biomass projects in protected landscapes

The above service will also be offering grants for wood fuel projects located within participating Areas of Outstanding Natural Beauty (Tamar Valley, Lapdown Hills, N. Devon, S Devon, E. Devon, Dorset, Cranborne Chase and West Wilts Downs, Mendip Hills, Quantock Hills) and Dartmoor National Park. The grants, which come from the AONBs' Sustainable Development Fund (SDF) budgets, will be awarded to suitable projects on a first-come, first-serve basis.

Contacts: Wood Fuels South West Advice Line: 08450 74 06 74.

(SA21) RENEWABLE ENERGY & CLIMATE CHANGE AWARENESS

CSEP has been short-listed for [The National Energy Efficiency Awards](#).

Renewable Energy Advice

Between April and September 2006, the CEP team gave free renewable energy technical and funding advice to 423 householders and 30 public and private sector organisations in Cornwall.

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CSEP Contacts: Will Wason. (Funding advice for organisations: Dionne Jones).

Microgeneration Day

CSEP held a renewable energy forum and exhibition on the 28th of September at *Campus XX1* (at the *Delabole Wind Farm*). There were 112 delegates, with 14 exhibiting companies, and 12 talks, focussing on a variety of renewable issues, including case studies, new technology, funding and policy. The event brought together RE installers and equipment suppliers with developers, housing associations, local authorities and community project leaders. The day was a great success, and we have received lots of positive feedback. It was funded by *EST* through the CSEP Local Energy Support Programme. CSEP Contact: Will Wason.

Cornwall Farming and Sustainable Energy Conference

CSEP, *Cornwall Agricultural Council* and the *Farming and Wildlife Advisory Group* hosted a conference on 25 October at the *Eden Project*. The event was attended by around 200 farmers and landowners and renewable energy installers. The conference focused on different technologies that can be utilised on farms, and the practical and financial issues involved in installing renewable energy technologies. The event was well received with a call for an annual event along with a need for study tours, practical demonstrations and farm visits. CSEP Contact: Katy Gibson.

SW Green Awards

CSEP nominated exemplar projects in Cornwall for each category of the SW Green Energy Awards. 6 out of 14 projects shortlisted are in Cornwall. The county's shortlisted projects are:

- Earth Energy HeatPlant Package,
- Carnyorth Outdoor Education Centre,
- Blisland Community Centre,
- Jubilee Wharf, Penryn,
- Trelowarren Estate Biomass Boiler,
- Carrick Housing Association.

The full shortlist is at: <http://www.regensw.co.uk/awards/shortlist.asp>

The winners of the awards will be announced by the judges at a gala dinner in Weston-Super-Mare on **14th November 2006**, the evening before 'Renewable Futures 2006', South West England's largest renewable energy conference.

'Cool It!' Campaign

From 1st January 2007 *Caradon*, *North Cornwall* and *Restormel* councils will be asking the public to chill-out as part of an 'action on climate change' initiative. Everyone and anyone can get involved by simply making a pledge to take action on reducing their own carbon dioxide emissions. For each pledge made by members of the public, the respective council will plant a native sapling as part of a community tree planting promotion. This way the environment is supported in two ways and people have an opportunity to do what they can to counter climate change. It is hoped that each

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individual action will contribute to a much greater positive impact. Please keep an eye on local press in the New Year for details of how to pledge. Anyone wishing to get involved in the project should contact Alex Lochhead at Caradon District Council on 01579 340718 or alochhead@caradon.gov.uk

Climate Radio

Cornwall Friends of the Earth has been awarded a grant from *DEFRA*'s Climate Challenge Fund to run the 'Climate Radio' project on a regional radio station in Cornwall. The project aims to reach a huge audience and communicate a positive message about what can be done to challenge climate change here in Cornwall. Richard Hoggett will research, script and produce a weekly climate 'news bulletin' which will be aired 4 times a day each weekday. This radio bulletin will highlight positive work that is being done in Cornwall by individuals, voluntary organisations, local government and private enterprise. There is a lot of positive work going on in Cornwall to tackle climate change. By highlighting this we will show that small actions can have big effect in reducing the impact of climate change.

Contact: Richard Hoggett on r.hoggett@virgin.net

PHA Wins another Award!

Penwith Housing Association has won the *Building & Engineer Magazine* [Energy Efficient Project of the year award](#) for the ground source heat pumps retrofitted by *Earth Energy Systems Ltd.* to homes at Chy an Gweal, Ludgvan (nr. Penzance). They are intrigued to know who nominated them!

Climate Change Pub Quiz

The launch of *Community Energy Plus's* 'Climate Change - So What?' pub quiz took place at the *Pandora Inn* in Restronguet Creek on 18th October. CEP is delivering the 2 year awareness-raising programme in partnership with *J&M Consulting Ltd.*, *St Austell Brewery* and the *Eden Project*. For dates and venues of forthcoming pub quizzes and lectures across Cornwall, please see the project website at:

<http://www.climatechangesowhat.org.uk/ccswhtml/quizzes.html>

Funder: *DEFRA Climate Challenge Fund* with sponsorship from *St Austell Brewery*.

CSEP Contact: Jasmine Reilly.

Multi Faith Climate Forum

The forum, which was launched by *CEP*, now has 44 members and covers a range of faiths/denominations including Anglican, Catholic, Methodist, Jewish, Baha'i, Pagan, Humanist and Buddhist. The Forum disseminates climate change and sustainable energy information through faith networks, holds workshops, lectures, book clubs, produces a regular newsletter, gives sustainable energy advice to parishes, has encouraged energy audits of churches and has recruited a number of voluntary Faith Climate Champions.

CSEP Contact: Ben Simpson.

Case studies

Case studies on renewable energy projects in Cornwall can be found on the CSEP website at: <http://www.csep.co.uk/page109g.html>

Anyone interested in submitting a project for inclusion on the case studies page should email Katy Gibson at katy@csep.co.uk

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(SA22) EDUCATION/ TRAINING

Microgen Project

Cornwall Sustainable Building Trust is delivering a Workforce Development Project called 'Microgen' to develop industry approved installer training for domestic renewable energy devices. By the end of September 2006, the project had installed 3 solar thermal systems to homes in St Austell, St Just and St Agnes.

Funders: *Learning and Skills Council* and *European Social Fund*.

Contact: [Cornwall Sustainable Building Trust](http://www.cornwall-sustainable-building-trust.org) on 01726 68654.

(SA23) PUBLIC SECTOR TRAINING

The *CSEP Energy in Buildings Group* is planning a series of renewable energy seminars in conjunction with the *County Building Control Group*. The events will be aimed at architects, developers and building control officers.

CSEP Contact: Will Wason.

(SA25) ENERGY MANAGEMENT

Cornwall County Council

Cornwall County Council is participating in the *Carbon Trust's* Local Authority Carbon Management Programme and as a result aims to produce an organisation-wide carbon management action plan by next March (including buildings, travel, street lighting and vehicle fleets).

North Cornwall District Council

NCDC has gained energy efficiency accreditation with the *Carbon Trust*. The council has developed a 3 year improvement plan which identifies the need to set up and establish an energy efficiency policy and scoring matrix for any revenue items (to sit alongside those for capital items) that council staff purchase for council purposes (e.g. fans, air con units, kettles, hand dryers, lightbulbs etc.).

Contact: Hilary Gooch, NCDC - hilary.gooch@ncdc.gov.uk

Restormel Borough Council

Due to the Council adopting energy efficient measures it expects to achieve financial savings on energy between April 06 and April 07 of approx £ 65,000.00, and additional financial savings associated with energy of £ 48,000.00. This equates to a carbon reduction of 500 tonnes. Also, in response to targets set out in the Gershon report the Corporate Energy Manager will soon be delivering short staff briefings to raise awareness of the ways in which individuals can use energy more efficiently in the council offices. The aim is to set up a group of Energy Wardens within each department / service area who can take responsibility and cascade information.

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For more information on energy efficiency please speak to the Council's Energy Manager, Martyn Perrow, on 01726 223688 or email martyn.perrow@restormel.gov.uk

(SA27, SA28, SA30) SUSTAINABLE TRANSPORT

Biodiesel Fishing Vessel

Camborne School of Mines is leading a project for *DEFRA* and the *Sea Fish Authority* to trial a biodiesel fishing vessel ('ma gan dole'). A mobile biodiesel production plant is in commission at the Holman's test mine and the first batch of biodiesel made from recovered vegetable oil is now in the settling tank. The fishing boat will very soon be running on 100% biodiesel.

Funder: *DEFRA* (100%).

Contact: Neil Wood at CSM.

Kerrier District Council

Kerrier DC runs its fleet on a 35% biodiesel mix supplied by Mitchell and Webber. The Council is also exploring a salary sacrifice scheme which will give tax incentives to employees purchasing a bicycle from participating local suppliers.

(SA29) BUSINESS ADVICE & SUPPORT

Envision Cornwall's group of Environmental Business Mentors, are working across Cornwall, providing advice to Small to Medium Enterprises (SME) on ways of reducing energy costs and improving environmental credentials.

Partners: *Community Energy Plus, Environment Agency, ReZolve, Global Action Plan, Groundwork, Cornwall Business School, SWRDA, Envirowise.*

Funder: Objective One (ERDF).

Recent participants in the Envision programme include:

Budock Vean Hotel, Nr Falmouth (Carrick)

Envision provided a baseline environmental audit, BS 8555 training, funding advice and accreditation assistance. As a result, the hotel has achieved a Green Tourism Business Scheme gold award. Water saving measures have been implemented, the grounds and golf course are managed with organic fertiliser and the hotel has improved recycling and separation of hazardous waste streams. The hotel is considering the audit's finding that an estimated energy saving of £28,000 per year and 189 tonnes of CO₂ could be saved through capital replacement and use of alternative energy sources. Biodiesel is also being considered for all grounds and golf course machinery.

Cornwall Glass and Glazing Ltd., St Austell (Restormel)

Envision carried out a detailed energy survey, assessed waste streams and provided energy management awareness training. As a result Cornwall Glass has adopted an energy management policy and is committed to maximising energy saving opportunities. The amount of waste going to landfill has been reduced by 84 tonnes per year and 48-64 tonnes of glass waste is now being recycled or re-used in Cornwall

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by Remade Kernow, rather than being transported to Edinburgh. The company is now looking into options for heat recovery from their glass furnace to reduce energy consumption.

Gylly Beach Café Ltd., Gyllingvase Beach, Falmouth (Carrick)

Envision reviewed energy usage, introduced a new water management scheme and advised on legislation. The review identified potential energy savings of around £2,800 (36,000kWh) and 12,500 Kg CO₂ per year, plus £1000 per year in potential water savings. The café now purchases fair trade, organic and local produce wherever possible.

Sharp's Brewery, Rock, nr. Wadebridge (N. Cornwall)

Envision carried out a baseline environmental review highlighting priority areas for action, leading to savings of £1,211 from improved energy management and £2,764 savings from installation of meters and monitoring processes. Five tonnes of packaging waste has been diverted from landfill and is now being recycled, while 463 tonnes of trade effluent has been diverted from waste treatment to agriculture. The Head Brewer followed the BS 8555 training offered by Envision and the brewery is working towards the implementation of an environmental management system.

For further information or if you would like a free diagnostic visit from one of the team's mentors please contact Howard Martin at *Community Energy Plus* on 01209 614972 or email howard@cep.org.uk

Green Tourism Business Scheme (GTBS)

CEP and *CoaST* are delivery partners for Cornwall's sustainable tourism LAA Outcome stretch target to enable a total of 273 tourism businesses to achieve GTBS accreditation by 2009. The LAA funds two GTBS business advisors, one based at CEP and one at CoaST. Since the scheme started in August, 11 businesses in Cornwall have already achieved accreditation, all managing either Silver or Gold awards. CEP recently presented to the *St Austell Brewery* tenant liaison group and as a result a number of public houses are expressing an interest. A presentation at *the St Austell Traders Association* generated more interest and raised the profile of the scheme with local business and Councillors. A series of GTBS surgery sessions have been organised - please see the [Events](#) page on the CSEP website for dates.

Contact: Andrew Walters at CEP - andrew@cep.org.uk or

[CoaST](#) - Jacqui Piper - Tel. 01872 562 057 - jacqui@coastproject.co.uk

Environment Workshops for Businesses in North Cornwall

The *Envision* programme is holding a [FREE Business and Environment workshop](#) to help businesses in North Cornwall understand their energy bills, identify cost savings and explore potential opportunities for renewables. The event takes place on Wednesday **15th November 2006** at the Shire House Suite in Bodmin between 12.00 and 2.30pm. Lunch and refreshments will be provided. Registration deadline is 6th November. The event is being supported by *North Cornwall District Council*.

Contact: Hilary Gooch, NCDC Sustainable Development Officer - hilary.gooch@ncdc.gov.uk

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FUNDING NEWS

DTI Low Carbon Buildings Programme

The DTI low Carbon Buildings Programme has already allocated over £3m of grants to householders to install microgeneration measures. The demand has been so great that this represents half the total household budget in only the first year of the programme. As a result, Energy Minister Malcolm Wicks announced in October, that a further £6.2m of the of the total £28.5 million phase 1 funding would be reallocated to the householder workstream. On projected demand levels this should allow the grant programme to operate until mid 2008.

Website: <http://www.lowcarbonbuildings.org.uk/home/>

Quarterly CSEP Website Statistics (Aug to Oct 2006):

Total visits to the site for the quarter = 11,252 (Aug = 3484, Sep = 3813, Oct = 3955).

Average No. of visits per day for the quarter = 122

Most popular entry pages: [Home Page](#) - [Events Calendar](#) - [Newsletters](#)

Check the '[Latest Updates](#)' page in the News section for changes and additions to the website.

CSEP events and meetings are listed at: <http://www.csep.co.uk/page114g.html>

Contact CSEP:

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Postal address

Cornwall Sustainable Energy Partnership, South Crofty House, 1 South Crofty, Tolvaddon Energy Park, Camborne, Cornwall. TR14 OHX

- If you have a story to submit to the newsletter and/or information or queries for the CSEP website, please contact Katy Gibson, Partnership Coordinator on Tel. 01209 614974. Email. katy@csep.co.uk

This newsletter is distributed to 502 individuals in over 100 organisations.