



# *Cornwall Sustainable Energy Partnership*

**Statements from each of the nine CSEP Steering Group  
Members**

**Our sectors' role in delivering the Energy Strategy for Cornwall**

The views contained within are the views of the strategic representatives on the CSEP Steering Group and are not as such binding on the sectors they represent.

2004-2005

## THE BUSINESS SECTOR:

### Why is it important for the Cornwall Business Community to be involved in the Cornwall Sustainable Energy Partnership?

The Business Community recognises that there is increasing pressure to improve its environmental performance. While this improvement will, in part, be driven by regulation, it is in the interest of businesses to accept that considerable cost savings and increased productivity can be achieved by the adoption and implementation of relevant actions set out in the 'Energy Strategy for Cornwall' document. With the initial 'up-front' costs that this will incur, a flexible approach, allied with positive, demonstrable economic incentives, should be adopted.

**The Cornwall Business Partnership has identified the following actions which businesses can take towards achieving, with others, a sustainable energy future for Cornwall.**

- ❖ To be aware of, and provide access to, the advice and support available for the reduction of carbon emissions and renewable energy technology.
- ❖ For building developers to ensure that local renewable energy resources are imbedded, whenever possible, in all new build projects. I.e. ground source heat, wind power, grey water, solar energy etc.
- ❖ Similarly, for building designers to incorporate renewable energy technologies in projects to minimise energy requirements and reduce carbon emissions.
- ❖ For businesses to work together to consider the benefits of local power plants fuelled by locally grown biomass.
- ❖ For businesses to recognise, and use, the benefits emanating out of the growing cluster of environment technology businesses such as those linked to the Camborne School of Mines (part of the CUC).
- ❖ To work with the Renewable Energy Task Group to assist in meeting 2010 targets for renewable electricity.
- ❖ To consider conversion to bio-diesel in commercial vehicles.
- ❖ For businesses, especially those operating in supply chains, in the County to adopt shared transport solutions. The Private Sector would look for significant leadership, and demonstration, by the Local Authorities and the Public Utilities to assist in achieving this aim.
- ❖ To have access to qualitative examples, across industry, of businesses, which have benefited from the implementation of energy efficiency and renewable energy programmes. In effect, to demonstrate 'this is how it did it for me'.

**Thelma Sorensen** Chairman Cornwall Business Partnership  
**Carol Wells** Chairman Cornwall Sustainable Energy Partnership

01.03.05

## THE COMMUNITY SECTOR

### The role of the Community and Voluntary Sector in delivering the Energy Strategy for Cornwall

The community sector in Cornwall is a diverse and varied movement ranging from very small local organisations run through volunteers to large, countywide social companies. Despite many of our differences in constitution and geography, we share a common desire to improve the well being and life opportunities of citizens in the county.

Partnership is the key not only to strategic vision but also to comprehensive and effective service delivery and alongside the statutory and independent sectors, community organisations can play an integral part in achieving the targets set out in the Energy Strategy for Cornwall.

Energy targets may not be at the heart of all community groups but the focus on energy related projects can provide an opportunity for social interaction, engagement and empowerment.

There are several areas and targets within the document that many members of the CVS can enthusiastically embrace and be part of. These include:

- ❖ The improvements to health and social well-being brought about through targets such as the reduction of fuel poverty
- ❖ The promotion of green initiatives that can result in healthier lifestyles
- ❖ The potential for employment initiatives that can improve local economies

As members of the Steering Group, Age Concern in Cornwall and the Isles of Scilly can facilitate implementation of the Energy Strategy in three ways:

- **Through promotion** - We can assist to raise awareness of the Energy Strategy and participate in the promotion at a local, regional and national level
- **Through delivery** - We can assist in the delivery of specific local and countywide initiatives specifically those focussed on the minimisation and eradication of fuel poverty
- **Through co-ordination** - Representatives of Age Concern sit on a wide range of local, regional and national groups and we can strive to include energy related issues in discussions and the development of strategies

Tracey Roose

Chief Executive Age Concern Cornwall  
Member of the CSEP Steering Group 9<sup>th</sup> February 2005

## THE EDUCATION SECTOR:

How can the Cornwall Education Sector contribute to the implementation of the Energy Strategy for Cornwall?

Education is fundamental to the successful delivery of the Energy Strategy for Cornwall. The role of the Education Community is to promote the awareness and understanding of sustainable energy particularly in the context of Cornwall. The Cornwall Education Sector can contribute to the implementation of the Energy Strategy for Cornwall in the following ways.

- Raise awareness of climate change issues, their link with historical energy policy and usage, and current and future impacts on society.
- Promote the embedding of energy efficiency and renewable energy within curricula at all levels and across all provision at primary and secondary schools, further and higher education colleges and universities. Provisions such as family learning programmes or adult learning course also afford opportunities to raise awareness on energy issues and should also be fully embraced.
- Higher and further education partners aim to provide a steady feed of trained individuals to support the expansion of businesses operating within the energy sector that are based in Cornwall. Technicians and graduates of programmes relevant to the energy sector are needed.
- Higher and further education institutions to match the research and development needs of commercial sector partners to their evolving research and development capability.
- Higher and further education institutions to work with business support agencies to encourage the take up of R&D capability within higher and further education sector partners.
- By means of collaborative partnerships linking energy businesses in Cornwall to higher and further education institutions, to open up additional funding routes for businesses to develop products and services that otherwise would not be available.
- Education sector partners to work with Cornish businesses, and public sector organisations to support the implementation of green transport plans and energy conservation measures.
- Through liaison and co-operation with, non-education sector partners providing energy advisory services, to raise awareness and understanding of new technologies as they become available.
- Promote the adoption of sound and appropriate energy management policy within buildings used by all education sector partners and to develop and promote initiatives to reduce energy consumption.
- Where appropriate, buildings used by education sector partners should act as demonstrator sites for larger scale renewable energy technology, e.g. biomass CHP, photovoltaic arrays.

Dean Millar CUC Chairman of the CSEP Education Group  
On behalf of Prof. Keith Atkinson - Provost of CUC & member of the CSEP Steering Group  
07.12.04

## THE ENERGY EFFICIENCY SECTOR:

### Role of the Energy Efficiency Sector in delivering the Cornwall Energy Strategy

The case for Energy efficiency should be self explanatory, the Energy White Paper states... The cheapest, cleanest and safest way of addressing our energy policy objectives is to use less energy.

The Energy White Paper also states that energy efficiency will be expected to deliver about half the target of a 60% reduction in carbon emissions by 2050. The Cornwall strategy focuses on joined up actions and does not get too hung up about tonnes of carbon or Giga watt hours, even so energy efficiency in Cornwall should be able to deliver a similar percentage saving. Of equal importance, in the domestic sector energy efficiency should be able to deliver these savings in the short to minimum term and very cost effectively. However the Government is giving very mixed messages about energy efficiency. Since Defra and OFGEM, through the Energy Efficiency Commitment values life time carbon savings at less than 1p/KWh, where as the DTI through the Renewables Obligation values renewable electricity at greater than 3p/KWh. What we term 'hard to treat' houses, those off the mains gas network and of solid wall construction could be improved now if a 3p/KWh contribution could be secured.

Through the Domestic Energy and Health Task Group a Fuel Poverty and Energy Efficiency Action Plan has been commissioned and will be published next year. This will make clear the scale of scope of the challenge ahead of us in trying to get all domestic properties in Cornwall up to an acceptable energy efficient standard. In parallel with this the use of GIS mapping will aim to improve the targeting of fuel poverty and hard to treat programmes. This work has been funded through the Local Public Service Agreement between the Cornish local authorities and the ODPM.

Fuel poverty continues to be a major focus; the Home Health programme has been rolled out to all six districts in Cornwall this year. This also contributes to achieving the LPSA target, which if successful should provide up to £800,000 for continued investment into fuel poverty and energy efficiency from 2006 onwards.

Looking to the future the energy efficiency sector will need to work more closely with the renewable energy sector, especially with regard to domestic or so called buildings integrated renewables. Heat pumps, small scale wind, photovoltaics, solar hot water, micro CHP and eventually hydrogen will all become important in achieving carbon reductions, but their full value can only be realised if they are used to power energy efficient buildings and appliances.

Ian Smith      Managing Director      Community Energy Plus  
Member of the CSEP Strategic Steering Group    06.12.04

## THE ENVIRONMENT SECTOR:

How can the Environmental sector and those with environmental responsibilities in other organisations, contribute to the implementation of the Energy Strategy for Cornwall?

For the environmental sector energy is arguably the most important issue and one that is tied in with aspects of virtually everything we do. Energy issues have an effect on social, financial and environmental aspects of the county of Cornwall.

### **Potential effects of the strategy that can have an impact on the environment**

- ❖ Secures and enhances the rural landscape by providing income for rural communities.
- ❖ Provides employment opportunities.
- ❖ Energy efficiency and renewable energy sources helps benefit the environment by reducing climate change and effects thereof.
- ❖ Green transport systems will improve air quality - this has effects on both health and the optical clarity of the air. A clear day allows better views.
- ❖ Creates financial income for the environmental sector.
- ❖ Enhances Cornwall's image as an environmental visitor destination.
- ❖ Reduces noise pollution and can reduce light pollution.

### **What can members of the Environmental sector do to facilitate implementation of the strategy?**

- ❖ Encourage all of their organisations to adopt the strategy by painting the broader picture and keeping them briefed on the impacts on all aspects of their operations. This requires promotion of triple bottom line thinking i.e. the integration of environmental, social and financial aspects of a business or organisation.
- ❖ Ensuring that organisations and individuals understand the impact of their energy use and therefore the positive impact they can have by adopting the working principles of the strategy.
- ❖ Encourage parent organisations to adopt green purchasing policies such as green tariff and local sourcing.
- ❖ Encourage all organisations undertake energy audits and apply efficiency practices.
- ❖ Promote the financial savings of energy efficiency thereby strengthening the perception of sustainability as a valuable business ethic.
- ❖ Promoting the increased brand value of organisations that have sustainability and in particular sustainable energy.
- ❖ Promote the overall perception and brand value of the county that is enhanced by the strategy.
- ❖ Promoting and facilitating communications of issues relating to the strategy. I.e. That climate change is linked to energy usage and that climate change not only has an impact in remote parts of the world but increasingly in our part of the world.

Chris Hines      Sustainability Director    The Eden Project  
Member of the CSEP Steering Group

22/8/05

## **THE FINANCE SECTOR:**

### **Financial community contribution to the implementation of the Energy Strategy for Cornwall**

Cornwall is served by a number of local, regional, national, and international financial services organizations providing a wide range of products and services to businesses and to individuals.

As well as its serving as a custodian for other people's money, the financial services industry fulfils two essential functions: (a) assessing the viability of any number of individual, business or not-for-profit sector investment projects in terms of economic risk and return, and (b) allocating to those projects appropriately structured and priced capital.

Almost without exception every person, business and organization in the UK is heavily reliant on the availability of energy, and the availability of sustainably-produced, low-price energy is vital for the success of the UK economy in the long term.

### **Potential Effects of the Energy Strategy for Cornwall**

The strategy has a number of benefits to the local economy:-

- ❖ Investment in and lending to businesses involved in energy sector such as renewable and sustainable power generation projects (grid or distributed), local distribution and supply companies, service and maintenance companies.
- ❖ Support for businesses, which provide products and services to reduce power usage.
- ❖ Investment in and lending to businesses, which provide products and services that reduce carbon emissions (for example, more efficient products, clean transport and power supplies and services).
- ❖ Creation of fulfilling and productive employment opportunities in these businesses.
- ❖ Influencing existing investee companies and borrowers to reduce costs and increase profitability by running their businesses more sustainably and by promoting lower power consumption.

### **Financial community members of the Steering Group can assist implementation of the Strategy**

The financial members of the Steering Group can assist in the implementation of the strategy:-

- ❖ By communicating the objectives of the strategy to financial intermediaries and institutions in the region.
- ❖ By raising awareness of opportunities to invest in and lend to businesses aiming to fulfil the objectives of the strategy.
- ❖ By promoting the objectives for sustainable energy production, reducing energy consumption (and energy costs) costs and reducing carbon emissions among existing investee companies and borrowers.

Robert Seymour  
Operations Director Finance Cornwall  
Member of the CSEP Steering Group  
03.03.05

## THE HEALTH SECTOR:

How can the Cornwall Health Community contribute to the implementation of the Energy Strategy for Cornwall?

Whilst energy issues are not currently included in the key targets that contribute to star ratings in NHS organisations, there are many aspects of the Energy Strategy for Cornwall that can potentially impact on the Health Community's ability to meet the targets around improving the health of the population. It is important that the Health Community is aware of this and is able to contribute wherever possible to the cultural changes needed to implement the strategy.

Potential effects of the strategy that can have an impact on the health of the population and on the delivery of key NHS targets

- Improving the local economy
- Providing employment opportunities
- Using energy related projects as a focus for community engagement and strengthening social capital
- Reducing fuel poverty and its subsequent health implications
- Initiatives to reduce energy consumption that can potentially result in healthier lifestyles e.g. green transport plans leading to increased levels of physical activity
- Energy related projects within NHS premises / services that could potentially reduce the cost of service provision

What can NHS members of the Steering Group and sub-groups do to facilitate implementation?

- NHS members to encourage Directors of Health to work with Local Strategic Partnerships to make sure all relevant energy related issues are on the LSP agenda and, where appropriate, specific projects and targets are included in community strategies.
- NHS members to act as champions on energy related issues within all organisations of the Cornwall Health Community and in joint arenas such as the Clinical Cabinet.
- NHS members to work with appropriate departments in the health community to champion the implementation of green transport plans and energy conservation measures.
- NHS members to liaise with Community First Cornwall (LIFT Co) on planning energy efficient buildings and signpost to advice and information on new technologies as they become available.
- NHS members will participate in the promotion of the aims and objectives of the Cornwall Energy Strategy locally, regionally and nationally.

Lynne Kendall  
Director of Public Health  
CSEP Steering Group Member  
29.09.04

## **THE LEGAL PROFESSION**

In the UK, energy policy is set by the Government. A number of Government departments and agencies - including the DTI, Defra, HMCE and Ofgem - are responsible for implementing and overseeing the regulation of the energy markets.

In the context of the Cornwall Sustainable Energy Partnership's Energy Strategy for Cornwall, the following legislation is of key importance:

- the Renewables Obligation;
- the Climate Change Levy;
- the Emissions Trading Scheme;
- Ofgem's duty to enforce licence conditions on gas and electricity suppliers (particularly in relation to fuel poverty); and
- Energy efficiency regulations.

The legal profession is in a unique position to explain the implications for Cornwall's energy needs of these rules and regulations and to assist CSEP in lobbying for beneficial changes in both national and European energy policy.

The threat of global warming has brought a renewed focus on sustainability and energy efficiency. The Cornish economy has the potential to benefit from this. Commercially-minded lawyers can identify opportunities to put the County at the forefront of developing a new economy in sustainability. We can offer specialist support and advice to this business community.

**Ben Lundie**  
**Solicitor**  
**Member of the CSEP Steering Group**  
**May 2006**

## LOCAL AUTHORITIES:

**Why...., what are the benefits and how should local councils contribute to the implementation of The Energy Strategy for Cornwall?**

**Why do Local Councils need to contribute?**

As key facilitators for the delivery of services to the community, local councils have signed up to the "Energy Strategy for Cornwall", and must now demonstrate leadership in implementing the actions identified.

There is a county wide commitment to build sustainability into all service delivery in order to improve the quality of life for the community of Cornwall now and for future generations. This commitment underpins the themes of the Cornwall Community Strategy and the corporate plans of the councils.

The Prime Minister recently described climate change as the greatest long-term threat facing the planet and every council has a part in helping the country make a dramatic impact on energy usage and carbon dioxide emissions.

Facing up to our obligations and tackling the actions identified in the strategy will improve the environmental, economic and social well being of the community of Cornwall.

**What are the effects of implementation of the strategy on local councils?**

- Improved local economy
- Local employment in emerging technologies - improved social wellbeing
- Better air quality due to cleaner fuel vehicles - improved quality of life for population, healthier workforce
- More energy efficient housing stock - healthier communities
- Cost savings by enforcing building regulations and improving energy efficiency of housing in the county from reduced demand on fossil fuel energy
- Demonstrated leadership by actively promoting and installing energy saving measures and renewable energy projects on own estate and buildings - potential savings to service costs
- Demonstrable reduction in carbon dioxide emissions by securing green energy tariffs and embracing renewable technologies
- Greater awareness, particularly in young adults in education, resulting in an increasingly positive attitude to sustainable energy in future generations

**How should council officers involved with CSEP contribute to the implementation of the strategy?**

- Motivate and influence those involved with Local Strategic Partnerships to ensure the energy strategy issues are properly addressed and included in community strategies
- To act as champions and support Departmental Directors to include energy issues in all aspects of service delivery
- To promote the inclusion of energy issues in all policies and strategies
- To work with and encourage elected members to respect energy strategy issues when making decisions at council
- Seek opportunities and promote the inclusion of energy strategy initiatives into maintenance and capital building programmes
- Promote the development and take up of travel plans, including alternative methods of working within the councils
- Work with other organisations to promote public transport, integrated transport approaches, cycling and walking opportunities
- Promote the Energy Strategy for Cornwall locally and nationally through networking and professional opportunities

## THE RENEWABLE ENERGY SECTOR:

### The role of the Renewable Energy Sector in the Cornwall Sustainable Energy Partnership

To make the use of Renewable Energy (R.E.) - an aim that all sectors, private or public, must have.

B.T. has given a very strong lead by announcing that they intend to power all their installations with R.E. It is appreciated that all sectors cannot go quite as far as this but the following strategies can be taken.

- ❖ Any new build to incorporate the use of R.E.
- ❖ Refurbishment to consider the practicality of incorporating R.E.
- ❖ The urban transport system to consider electric buses.
- ❖ Other public transport to be prepared to switch to bio-diesel as soon as it becomes available and to press the Government for its early deployment.
- ❖ Public and private fleets to also consider bio-diesel or bio-ethanol in the case of petrol engines.
- ❖ Large producers of waste to consider producing energy from their waste, either individually or co-operatively.
- ❖ The County Council to further pursue policies to produce energy from waste.
- ❖ To enlighten and educate architects, engineers and the public on the practicalities and advantages of R.E. be it ground source heat, solar energy or a small wind turbine.
- ❖ To educate the agricultural community on the possibilities of rejuvenating old waterpower systems and of harnessing new ones.
- ❖ To consider purchasing a green source of energy.

P D Edwards

30.11.04