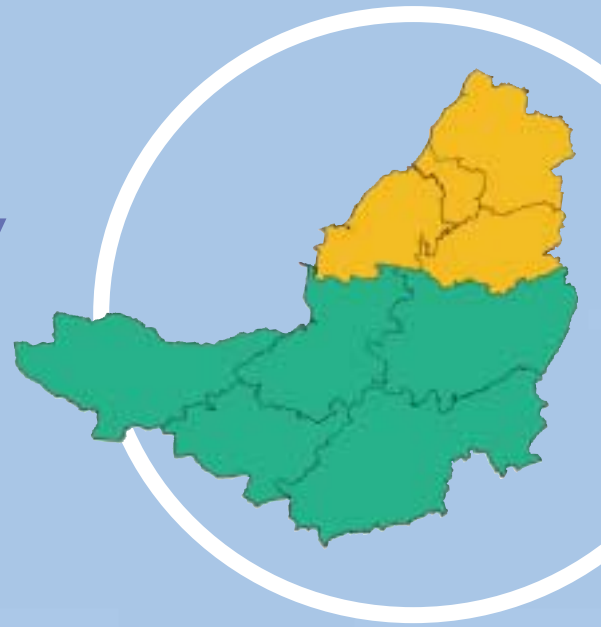


FUTURE ENERGY WEST



WEST OF ENGLAND SUSTAINABLE ENERGY STRATEGY AND ACTION PLAN

To help create well-being, social inclusion and economic development by tackling the problems of climate change and fuel poverty



“Climate change will affect us all – and we can all be part of the solution. We have a responsibility to take action, but it is also in our own interests to do so. Measures to reduce greenhouse gas emissions can be good for the economy, for businesses and for our communities.”

◆ JOHN PRESCOTT, DEPUTY PRIME MINISTER
Climate Change: The UK Programme, DETR, 2000



“The Government [is committed] to end the blight of fuel poverty for vulnerable households by 2010... Some 4 million households still remain in fuel poverty... Fuel poverty imposes higher health costs and is a factor in the thousands of excess winter deaths each year, particularly amongst pensioners. It also contributes to social exclusion and affects children’s education.”

◆ BRIAN WILSON, MINISTER FOR ENERGY
◆ MICHAEL MEACHER, MINISTER FOR THE ENVIRONMENT
The UK Fuel Poverty Strategy, DEFRA and DTI, 2001



Strategy and Action Plan for the West of England Sustainable Energy Development Programme

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1. Introduction

The majority of scientists believe that we need to cut global emissions of greenhouse gases by 60% from 1990 levels to reduce significantly the threat of climate change. The medium-term goal set by the UK Government is to reduce carbon emissions by 20% on 1990 levels by 2010. Within the same time frame, the Government also aims to eliminate fuel poverty in vulnerable households, create decent homes and secure 10% of our electricity supplies from renewable energy sources. The Government's recently published Energy White Paper has set the UK on a path towards a reduction of 60% in carbon emissions by 2050, led by energy efficiency improvements and increased use of renewable energy.

Achieving these targets requires concerted action at a local, regional, national and international level to deliver sustainable energy – providing truly affordable energy services based on efficient use of energy supplies derived from low and zero-carbon technologies.

Both climate change and fuel poverty are cross-cutting issues that will be solved only with cross-cutting partnerships between sectors and service providers. No single organisation has responsibility for these issues, yet we will all suffer the

consequences of climate change and many organisations are burdened with the health and social impacts of fuel poverty. The benefits of coordinated action can be extensive whilst meeting other key economic, social and environmental objectives.

The aim of this Strategy and Action Plan is to set a framework for partnership action on sustainable energy that will help achieve and potentially exceed the Government's targets in the West of England – the 'sub-region' consisting of Somerset and the former Avon area.

Sustainable energy initiatives, incorporating energy efficiency and renewable energy, can make a significant contribution to:

- ◆ Regenerating communities
- ◆ Improving the quality of housing and creating decent homes
- ◆ Tackling fuel poverty
- ◆ Reducing health inequalities and reducing winter pressures on the health service
- ◆ Stimulating the local economy with the savings made by cutting the sub-region's energy bill
- ◆ Providing fresh business opportunities and enhanced business competitiveness
- ◆ Reducing the threat of global warming and climate change.

Delivering these benefits requires focus, the application of appropriate expertise and the involvement of key strategic authorities and organisations in the public, private and community sectors.

The focus of the expertise applied to deliver this Action Plan will be on the efficient use of energy in buildings and businesses, and sustainable energy supply technologies. It will not therefore address the transport sector in any significant way. This is not to ignore the importance of the transport sector's impact on climate change and health or its association with energy use. However, developing sustainable transport solutions will require a different sphere of expertise and the involvement of a different group of partners if it is to be successful. It therefore makes sense for that to be the subject of a separate initiative rather than to dilute the focus of this Programme.

To deliver this Plan, sustainable energy experts and public, private and community sectors need to plan and work together as partners. This partnership action will create new local business opportunities and extra jobs in the sub-region. In short, it will help to create the foundation for genuinely sustainable prosperity and well-being for current and future generations in the West of England.



2. Executive Summary

This Strategy and Action Plan builds on existing initiatives to ensure that effective and cohesive action is taken by local stakeholders working in partnership, and that funding from external sources is attracted to implement the Strategy and Action Plan. It provides a clear focus for a West of England Sustainable Energy Development Programme, run by the Centre for Sustainable Energy, that combines the expertise and knowledge of organisations within the public, private, health and community sectors as Programme Partners. It aims to stimulate economic development, social inclusion and environmental improvement in the sub-region, while at the same time tackling health inequalities associated with poor housing.

The West of England sub-region is taken to be the geographical area covered by Somerset County Council and the unitary authorities of Bath and North East Somerset, Bristol, North Somerset and South Gloucestershire.

The following have been identified as key overarching goals for the West of England Sustainable Energy Development Programme:

- ◆ Improved energy efficiency in the domestic sector, saving householders money, tackling fuel poverty, improving health and stimulating the local economy
- ◆ Increased development and use of cleaner sources of power generation, including those from renewable sources and combined heat and power
- ◆ Improved efficiency of energy use in business, stimulating investment, improving competitiveness, cutting costs, stimulating the local market for environmental technology and energy services; creating jobs and opportunities for training
- ◆ Greater encouragement for the public sector to take a leading role by implementing sustainable energy initiatives within their own buildings and activities.

Some of the actions to deliver these goals are already under way and this plan aims to build on these. However, it is not expected that all the required actions will be delivered immediately. This Action Plan covers a seven-year period up to 2010. This time frame matches the Kyoto Protocol and the UK Government's targets for fuel poverty, renewable energy and Decent Homes. It is assumed that, through consultation with Programme Partners, a range of short, medium and long-term targets, time frames, performance indicators and monitoring and reporting processes will be set for each sector outlined below. The clear intention of this Action Plan is to enhance existing initiatives and partnerships and to avoid the duplication of effort.

This document has been commissioned by the Bristol and Somerset Local Authority Support Programme, a recent initiative funded by the Government via the Energy Saving Trust, and managed by the Centre for Sustainable Energy, based in Bristol.

During the summer of 2002, a consultation process was carried out for this programme by Sustain Ltd with 46 individuals from key public, private and voluntary sector organisations in the sub-region (see list in Appendix 1). The results of this consultation influenced the design of the first draft strategy and action plan. A full report of this consultation exercise is available from the contacts listed on page 22.

The consultation process was further extended during October 2002 by:

- ◆ Circulating the draft plan to the 46 people originally consulted, for further comment
- ◆ Holding a series of four local workshops, hosted by different local authorities in the sub-region
- ◆ Holding a series of meetings with directors of public health in four of the recently formed Primary Care Trusts in the sub-region.

Feedback from this consultation was incorporated into this strategy document.



Signing up to tackle climate change and fuel poverty.

3. Partner Statements

"As an organisation committed to close partnership working, EAGA is pleased to be involved in this initiative in the West of England. We see this partnership as the cementing of existing links and the construction of new opportunities within the community, to help the community.

As the managers of the Government's Warm Front Scheme and scheme managers and partners of many other projects, we are fully aware of the importance of the public awareness to energy efficiency, health improvement and the eradication of fuel poverty. We believe that this partnership will enable us to tackle such inequalities, particularly in this diverse area. It is our aim to ensure that we reach all communities and we believe that this partnership will enable this to happen.

We certainly look forward to moving into this partnership with energy and enthusiasm and bringing to it our own experience and expertise in project delivery."

◆ NIGEL DEWBERRY
General Manager, EAGA Partnership



"British Gas is pleased to support 'Future Energy West', the West of England Sustainable Energy Development Programme. We recognise the important role of partnerships in delivering objectives for improving energy efficiency and developing sustainable energy supply.

British Gas has a strong record of commitment in improving energy efficiency in the South West and we are currently working in sixteen communities in the South West through our 'here to HELP' programme. Working in partnership with seven major charities and social housing providers, 'here to HELP' is not only making a substantial difference to the energy efficiency of homes, but also to the quality of life of households in deprived areas of the South West.

We welcome the challenge that future programmes will provide. As has been demonstrated, partnership approaches are a necessity, particularly in terms of identification and targeting of vulnerable and disadvantaged customers and through joint funding of schemes.

I therefore commend these proposals and would repeat my commitment of providing service and value through the delivery of British Gas energy efficiency programmes in the West of England.

◆ JON KIMBER
Head of Energy Efficiency, British Gas



4. Supporting Organisations

Bath & North East Somerset Council
 Bristol City Council
 Mendip District Council
 North Somerset Council
 Sedgemoor District Council
 South Gloucestershire Council
 South Somerset District Council
 Taunton Deane Borough Council
 West Somerset District Council
 Somerset County Council
 British Gas
 SWEB
 EAGA
 Groundwork
 Envolve
 Somerset Trust for Sustainable Development
 Mendip Power Group
 The Guinness Trust

Future West (formerly WPSD)
 North Somerset PCT
 Bath & North East Somerset PCT
 Mendip PCT
 South Gloucestershire PCT
 Taunton Deane PCT
 South Somerset PCT
 Somerset Coast PCT
 Bristol North PCT
 Bristol South and West PCT
 Knightstone Housing Association
 Age Concern
 Regional Development Agency
 Government Office South West
 Bristol Chamber of Commerce and Initiative
 Business Link
 Care and Repair Agencies
 Somer Community Housing Trust



5. Vision

Through this Action Plan and the work of the Programme, the West of England evolves into a sub-region:

- ◆ Which has dramatically cut its contribution to the threat of climate change
- ◆ Where fuel poverty is of purely historical interest
- ◆ Whose economy has benefited from the delivery of locally developed sustainable energy solutions
- ◆ Where there is sufficient focus and momentum to secure lasting transformation in the way public, private and community sectors combine to achieve sustainable energy.



6. Aims

By 2010, the West of England Sustainable Energy Development Programme aims to:

- ◆ Ensure that sustainable energy is incorporated into all development plans, policies and strategies for existing and new initiatives in the sub-region

- ◆ Stimulate energy savings in the domestic, business and public sectors sufficient to exceed the sub-region's 'share' of UK carbon emission reduction targets
- ◆ Eliminate fuel poverty along with the associated health problems and excess winter deaths for vulnerable people throughout the sub-region
- ◆ Encourage and enable, with support from businesses, residents and planners, the development of cleaner and renewable sources of heat and power sufficient to meet regional and sub-regional targets.

More specifically, the West of England Sustainable Energy Development Programme will:

- ◆ Facilitate a closer relationship between public, private, health and community organisations for the promotion and application of sustainable energy programmes
- ◆ Build support for the development and use of cleaner sources of energy, including those from renewable sources and combined heat and power
- ◆ Drive improvements in energy efficiency in the domestic sector, saving householders money, tackling fuel poverty, improving health and stimulating the local economy
- ◆ Improve efficiency of energy use in business, stimulate investment, improve competitiveness, cut costs, stimulate the local market for energy-related environmental technology and energy services; create jobs and training opportunities
- ◆ Encourage the public sector to take a leading role by implementing sustainable energy initiatives within their own buildings and activities.



7. Methods

The West of England Sustainable Energy Development Programme seeks to achieve these aims and integrate sustainable energy into public, private and community sector activities across the sub-region by:

- ◆ Mainstreaming sustainable energy in existing partnerships and initiatives through training and awareness-raising, working to improve effectiveness and focus
- ◆ Developing new partnerships and initiatives as required, particularly to establish exemplar projects which can subsequently be replicated
- ◆ Providing support, expert guidance and 'best practice' advice to existing and new initiatives
- ◆ Identifying and encouraging replication across the sub-region of sustainable energy best practice
- ◆ Securing priority for activities that explicitly address climate change and fuel poverty issues
- ◆ Attracting funding for these activities.



8. Policy Framework

There are a number of key drivers currently in place that address the challenge of global climate change and aim to deliver on the Government's priority to eliminate fuel poverty. This Plan builds on a wealth of knowledge already available and an extensive policy and development context.

Prime examples include the Kyoto Protocol 1997; Home Energy Conservation Act 1995; the Energy White Paper 2003; the UK Fuel Poverty Strategy, DEFRA and DTI, 2001; South West Regional Planning Guidance and, at a more local level, community strategies.

Further details and links to the policy framework can be found at www.cse.org.uk/westofenglandstrategy.



9. Domestic Energy and Health Sector

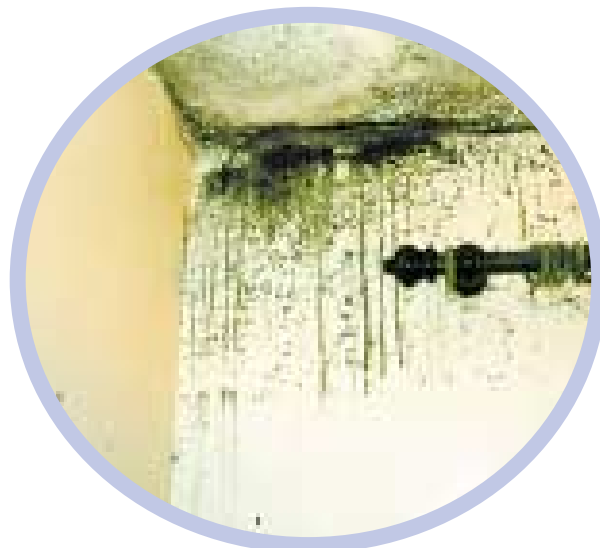
Many sustainable energy initiatives have already taken place in the domestic energy and health sector, particularly in social housing, and new initiatives are being planned. Energy issues are relevant to all residents irrespective of their income level. Of particular concern are those households on a fixed or low income, living in the private residential and social housing sectors, who suffer the poor health and financial burdens of fuel poverty. The implementation of measures to make homes more energy efficient (such as heating and insulation improvements) will help to reduce fuel poverty and health inequalities.

The following actions in the home energy and health sector can help deliver the Programme's aims, particularly to eliminate fuel poverty:

7.1 Gather baseline data on domestic properties by the widespread distribution of Home Energy Check forms, for example alongside the electoral registration process, and use this data to target other activities/funding outlined below.

7.2 Provide advice and information to residents in order to :

- ◆ Provide a local dimension to national awareness-raising campaigns
- ◆ Promote and extend the activities of energy agencies in the sub-region



- ◆ Promote energy labelling of houses, appliances, boilers and windows (as it develops).

7.3 Ensure that the sub-region attracts nationally available grant-funded schemes and subsidies for the implementation of energy-saving measures, such as adequate loft insulation, heating measures and controls to help tackle fuel poverty, ill health and save householders money. These include:

- ◆ Central Government (DEFRA): Warm Front (formerly Home Energy Efficiency Scheme)
- ◆ Energy suppliers: Energy Efficiency Commitment and social action plans.

7.4 Promote Warm Zones and other 'joined-up' housing/health initiatives as a partnership between local authorities, Primary Care Trusts and other relevant organisations.

7.5 Promote more efficient lighting and appliances.

7.6 Promote combined heat and power (CHP) and improvements to community heating.

7.7 Promote new energy services initiatives such as partnership alliances with energy suppliers.

7.8 Provide training and support to community organisations to enable them to engage more effectively in creating a sustainable energy future through joined-up activity in partnership with other community development organisations.



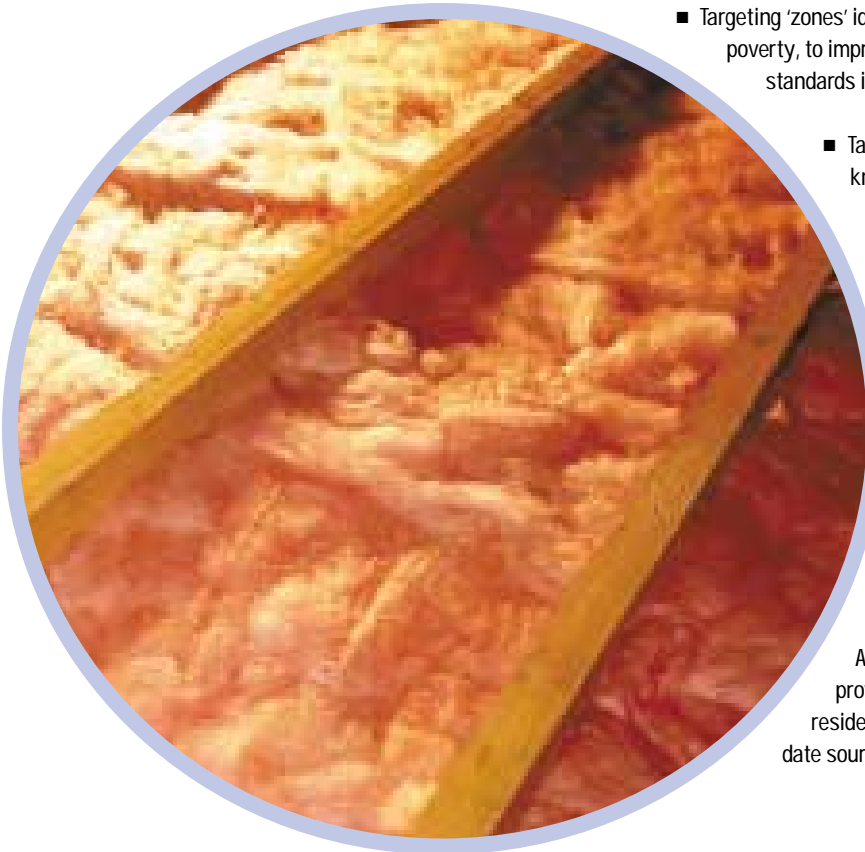
Domestic Energy and Health Sector

7.9 Promote strong sustainable energy objectives in a sustainable housing policy for new build and eco-renovation through a partnership with planners, building control officers, developers, architects and contractors.

7.10 Encourage fuel substitution including the use of mains gas, combined heat and power, solar and geothermal sources.

The common priorities for action, identified during the consultation carried out in October 2002, are:

- ◆ Further training/briefing sessions for council members and officers, for example in partnership with the Somerset Trust for Sustainable Development, to improve energy standards in new build developments and refurbishments of existing dwellings
- ◆ A major partnership initiative between the health service, local authorities, registered social landlords, energy suppliers, grant agencies, voluntary agencies, Centre for Sustainable Energy and other organisations to tackle fuel poverty, involving targeted approaches:
 - Targeting vulnerable people in the sub-region to improve heating, insulation and ventilation standards in their homes



- Targeting 'zones' identified as having high levels of fuel poverty, to improve heating, insulation and ventilation standards in all housing in these zones
- Targeting particular house types with known 'hard to heat' characteristics.
 - ◆ Further partnership activity between local authorities and social housing landlords to improve existing and new build standards by focusing resources on energy efficiency and renewable energy improvements, while maximising grants from energy suppliers and the Government
 - ◆ Further development and promotion of the Bristol and Somerset Energy Efficiency and Renewable Energy Advice Centre as a 'one-stop shop' to provide advice and information to all residents in the sub-region, including up-to-date sources of grant funding.

10. Renewable Energy Sector

Some renewable energy initiatives have already taken place in the West of England, and new initiatives are being planned. However, the potential for generating heat and power from renewable energy sources in the sub-region has barely been touched.

The following specific actions can start to realise this potential and deliver lower emissions and, potentially, significant local economic opportunities:

- 8.1 Support the development of renewable energy projects (biomass, geothermal, passive and active solar, mini-hydro, wind, fuel cells, etc.) that minimise local environmental impact and maximise economic benefit.
- 8.2 Respond to targets for renewable energy cascading down from national and regional levels and interpret these for the sub-region.
- 8.3 Support the development of businesses based in the West of England both manufacturing and supplying new forms of energy generation.



- 8.4 Support diversification in agriculture by promoting capital grants for energy crops (short rotational willow coppice and miscanthus) and wood fuel from sustainably managed forests.

- 8.5 Promote efficient conversion technologies such as combined heat and power (CHP), community heating and fuel cells in new and existing developments.



Renewable Energy Sector

The common priorities for action, identified during the consultation carried out in October 2002, are:

- ◆ Carrying out a sub-regional assessment, in partnership with the Government Office for the South West, the South West Regional Development Agency and RegenSW to identify the potential for local renewable energy projects and sub-regional targets
- ◆ The delivery of a four-step process of consultation to identify acceptable renewable energy projects for local communities, involving:
 - Further training/briefing sessions for members and officers in all councils in the sub-region to raise awareness of the economic, social and environmental benefits of renewable energy and the options available
 - Consultation with local councillors to identify those who would support renewable energy projects in their local area
 - The roll out of an awareness-raising 'roadshow' in the local areas where the councillors have indicated that they are generally positive about renewable energy



- Consultation with local residents to identify their attitudes to potential renewable energy projects and to understand objections and seek solutions to achieve acceptance.

This will enable local authorities in the sub-region to invite appropriate renewable energy developers to take forward the identified projects with the expectation of receptive host communities.



11. Business Sector

Energy issues are relevant to small, medium and large businesses. Reduced energy costs improve business competitiveness and stimulate investment. In fact, energy cost savings go straight to the bottom line. The sustainable energy industry offers new opportunities for products and services, plus new markets for local businesses.

The following actions in the business sector can help deliver the Programme's aims:

9.1 Promote and take advantage of the Climate Change Levy Package.

- ◆ The newly formed Carbon Trust provides funding for subsidised energy audits, advice and energy-saving measures such as improved heating controls, insulation and variable speed drives. Support is also available for local partnerships, working with the Government Office for the South West and business networks in stimulating and funding local initiatives
- ◆ Enhanced Capital Allowances – 100% first year allowances for energy-saving investments are available initially for combined heat and power, refrigeration, motors, variable speed drives, lighting, pipework insulation and thermal screens.



9.2 Promote Climate Change Levy exemptions for renewable energy supply.

9.3 Promote training in heating, insulation and related skills plus work placement services and further education for unemployed people.

9.4 Provide support to enable business to meet the requirements of the Integrated Pollution Prevention and Control Act 1999 for site-specific energy efficiency regulation.

9.5 Encourage industry and commerce to sign up to the Government Office for the South West campaign to encourage organisations into 'Making a Corporate Commitment' (MACC2) and thereby setting targets for reducing greenhouse gas emissions (especially carbon dioxide), water use, waste production, etc. and public reporting of these targets and results.

9.6 Encourage and provide support for the widespread introduction of Environmental Management Systems that include energy management.

9.7 Explore the potential for greenhouse gas emissions trading.

Emissions trading is a market-based approach that is designed to enable business to deliver emissions reductions in the most cost-effective way. Under the Kyoto Protocol, work is under way to establish of an international emissions trading scheme, and a UK framework has now been set up. This has the potential to produce an important, worldwide market which parts of the UK industry are keen to support. Businesses in the sub-region have the opportunity to participate in this emerging market.



Business Sector

The common priorities for action, identified during the consultation carried out in October 2002, are:

- ◆ The effective integration of the services offered by the small business energy efficiency advice centre run by the Centre for Sustainable Energy into those broader 'sustainable development' advice services provided to the business community by Future West (formerly WPSD), Envolve, Groundwork and others
- ◆ A coordinated awareness-raising campaign promoting best practice examples
- ◆ The development of sub-regional recognition for businesses that take effective action to improve energy efficiency and introduce renewable energy into their buildings and activities, for example, through developing new or existing awards ceremonies.



12. Public Sector

Many sustainable energy initiatives have already taken place in the public sector, and new initiatives are being planned. Energy issues are relevant to all departments in all councils and to many aspects of health care provision, particularly in primary care. There is a need for the best value process to encompass energy in its broadest sense and to establish a set of energy-related best value performance indicators for the full

range of services provided. The West of England Sustainable Energy Development Programme can assist in the dissemination of best practice from one authority to another and to develop improved linkages with Primary Care Trusts.

The following specific actions are proposed as priorities for the Programme's work with the public sector to help deliver its goals:

10.1 Take advantage of Climate Change Levy exemptions for renewable energy supply in council-owned buildings, and explore the potential for a hypothecated Climate Change Fund from the savings achieved and so create additional leverage for sustainable energy developments.

10.2 Publish new targets and performance indicators for the effective energy management of public buildings (monitoring energy use and targeting improvement measures such as heating controls and insulation) and street lighting, including offices, leisure centres, schools and hospitals.



Public Sector

- 10.3 Promote the use of locally produced sustainable and renewable products and incorporate their use into internal procurement and planning priorities.
- 10.4 Pursue the opportunities for bundling the carbon reduction credits, arising from small-scale sustainable energy developments across the sub-region, into a package that could be traded for a financial return with energy suppliers or large consumers with emission reduction targets to meet (i.e. emissions trading).
- 10.5 Work with private sector partners to develop energy from waste schemes using clean process technology such as pyrolysis.

The common priorities for action, identified during the consultation carried out in October 2002, are:

- ◆ The provision of support to enable local authorities to lead their local business and residential communities by demonstrating best practice in:

- Mainstreaming energy efficiency and renewable energy into the day-to-day activities of all departments, plus internal and external partnerships, including Local Strategic Partnerships, local health partnerships and local community partnerships
- Fully integrating energy efficiency and renewable energy into environmental management systems
- Making steady improvements in energy efficiency as measured against the best value performance indicator showing the energy consumption per square metre of floor area in operational buildings
- Staff training.
- ◆ The provision of support to enable local authorities to build energy efficiency and renewable energy more effectively into the national curriculum for school students
- ◆ The provision of support to enable local authorities to utilise all existing communication methods (e.g. newsletters and email) to raise awareness of energy efficiency and renewable energy among staff, businesses and local residents
- ◆ The provision of support to enable local authorities to make life cycle and technological assessments to fully explore the potential for recovering energy from waste using new clean process technology.



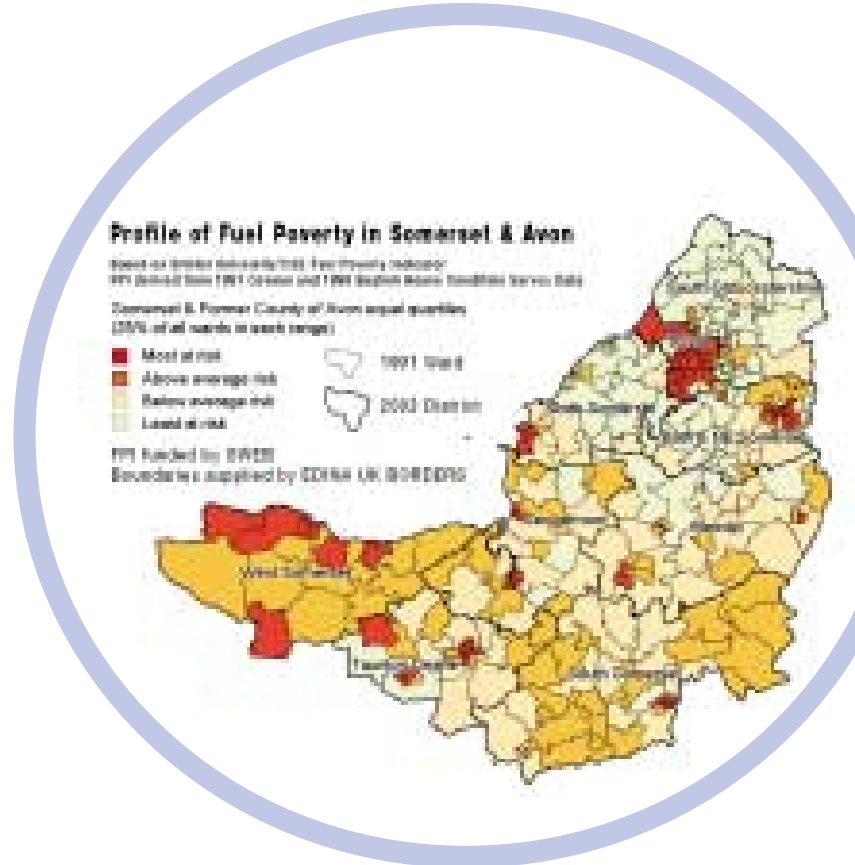
13. Organisational Structure

The West of England Sustainable Energy Development Programme is an effective force for action, and not simply a facilitator for discussion. It complements and supports existing organisations and activities rather than duplicating them.

Drawing on the successful experience of the Cornwall Sustainable Energy Partnership, and the consultation process carried out with 46 key individuals from the West of England in summer 2002, three key themes were identified as important to take into account in determining the most appropriate organisational structure, namely:

1. Establishing an entirely new organisation would create confusion and duplication of effort.
2. It is necessary to build on an existing organisation that is already contributing dedicated staff resources to facilitate action.
3. A legally constituted organisation with a good track record in the field is required to front funding applications, and provide accountability.

As a result, it is proposed that the work outlined here builds on the existing Bristol and Somerset Local Authority Support Programme to transform it into the West of England Sustainable Energy Development Programme. This is an initiative funded by the Energy Saving Trust and managed and run by the Centre for Sustainable Energy.



The Centre for Sustainable Energy, a Bristol-based charity and company limited by guarantee, founded in 1979, provides the leadership and impetus for this new Programme. It has a number of high quality staff dedicated to ensuring that effective, cohesive partnership initiatives are developed and implemented.

But its success will depend on the involvement of the range of organisations described here – from housing, health and other public sector bodies, business and community sectors. These organisations are each invited to become Programme Partners.

These Partners are encouraged through existing fora (such as Somerset and Avon Energy Savers) – and new ones as necessary – to participate in the work and developments of the Programme. An Annual Meeting of the West of England Sustainable Energy Development Programme will be held. This will be an open, all-inclusive event, enabling representatives of all Programme Partners to attend.

14. PR and Marketing

The West of England Sustainable Energy Development Programme will need to market itself internally within the West of England area as well as externally to potential supporters and funders. The Centre for Sustainable Energy will undertake marketing for the Programme and develop a strong brand image locally and nationally.

The aim is for the West of England Sustainable Energy Development Programme to be seen as a high-profile best practice example of local activity helping to deliver UK and international targets and protocols.



15. Services

As a partnership with strategic connections, the West of England Sustainable Energy Development Programme will provide its partners with a range of services:

- ◆ Provision of up-to-date information through meetings, events, electronic newsletters, etc.
- ◆ Fundraising from national and international sources
- ◆ Local and national profile-building
- ◆ Influence on local, regional and national policy-makers
- ◆ Organisation of networking/training events
- ◆ Research and development of new initiatives and activities
- ◆ More effective coordination with other organisations.



16. Human Resources

The Centre for Sustainable Energy is initially providing two full-time members of staff to resource the day-to-day operations of the West of England Sustainable Energy Development Programme. Other senior staff at the Centre for Sustainable Energy also assist the Programme, working in partnership with staff from other organisations participating as Programme Partners.

17. Location

The West of England Sustainable Energy Development Programme is based at the Centre for Sustainable Energy's offices in the CREATE Centre in Bristol, alongside the Bristol and Somerset Energy Efficiency Advice Centre.

18. Development Strategy

The West of England Sustainable Energy Development Programme aims over the first 12 months to focus on successfully implementing one main programme of action. This will be developed with further consultation with Programme Partners and have its own Action Plan with measurable outputs, success criteria, milestones, responsibilities and resource requirements clearly identified.

Having been successful in one area of activity, the Programme should then be in a strong position to develop and implement further action programmes in conjunction with its Partners.



19. Evaluation and Performance Monitoring

The Action Plan will form the basis for evaluating and monitoring the activities carried out through the Programme.

The Centre for Sustainable Energy will help the Programme to

develop a three-year rolling Action Plan. This will provide specific and measurable targets and other performance indicators to measure progress against.

20. Funding Requirements

Core funding is already being provided by the Energy Saving Trust (anticipated to continue until at least March 2004) for the Centre for Sustainable Energy to deliver the Bristol and Somerset Local Authority Support Programme which, it is proposed, will refocus in line with this Action Plan. Additional

funding will be required to take forward new initiatives beyond this core service and this will be a principal area of action for the Programme. A detailed breakdown of the funding required will be produced when priority actions have been identified.

21. Funding Sources

This programme works with partners to submit appropriate funding applications through a variety of international, European, national and regional funding sources. Examples of possible

funding streams are DEFRA (Warm Front), DTI, Lottery funding and fuel suppliers. A more extensive list of potential funding sources can be found at www.cse.org.uk/westofenglandstrategy.

22. Timetable for Action

A public event was held in December 2002 to launch the Strategy and Action Plan, encouraging partners to sign-up to the West of England Declaration on Climate Change and Fuel Poverty. Subsequently the plan has been formally adopted by a range of public, private and community sector organisations.

The Action Plan is now at implementation phase. From April 2003 this Programme aims to prioritise and coordinate the delivery of a number of schemes and actions, working with partners as appropriate.

A key example is the one-stop shop at the Centre for Sustainable Energy serving the domestic, renewable, business and public sector. This will provide comprehensive energy advice and referrals to applicable grants and other funding sources.

In addition, the following actions are already under way with the active support of the Programme:

- ◆ The development of sub-regional targets for renewable electricity through consultation with key stakeholders in the West of England within the REvision 2010 project funded by the Government Office for the South West
- ◆ The establishment, with local authority support, of a 'Warm and Well' scheme to provide a single clear referral route to grants and measures to alleviate fuel poverty



- ◆ A study, with support from Mendip District Council, of the feasibility of installing micro-hydro power systems at a number of historic mill sites
- ◆ A feasibility study with Bristol City Council of the installation of biomass-fired heating at Council-owned sites.

Details of the latest actions being taken by the Programme to realise this Strategy can be found at www.cse.org.uk/westofenglandstrategy.

23. Conclusion

This Strategy and Action Plan outlines a framework for effective, cohesive action to address the problems of climate change and fuel poverty in the West of England.

It builds on existing initiatives to establish a new Sustainable Energy Development Programme for the West of England. This Programme will help to ensure that the sub-region meets and exceeds its obligations to reduce its contribution to the threat of climate change and to end fuel poverty amongst vulnerable households. It will also support economic development and improve well-being and social inclusion to the benefit of all the sub-region's citizens, both now and in the future.

Appendix 1

LIST OF PEOPLE CONSULTED

NAME	POSITION	ORGANISATION
CHARLES GARRETT	HOME ENERGY CONSERVATION OFFICER	BATH & NORTH EAST SOMERSET COUNCIL
JOHN YOUNG	REGENERATION OFFICER	BATH & NORTH EAST SOMERSET COUNCIL
MARTIN FODOR	POLICY DEVELOPMENT COORDINATOR IN SUSTAINABLE CITY TEAM	BRISTOL CITY COUNCIL
DAVE COWLEY	HECA OFFICER	BRISTOL CITY COUNCIL
JEREMY SCREEN	CORPORATE PROPERTY MANAGER	BRISTOL CITY COUNCIL
LORRAINE HUDSON	CLIMATE PROTECTION STRATEGY OFFICER	BRISTOL CITY COUNCIL
PAUL ISBELL	ENERGY MANAGER	BRISTOL CITY COUNCIL
BILL MCKAY	CHAIRMAN OF THE WORKING GROUP ON RENEWABLE ENERGY	MENDIP DISTRICT COUNCIL
JO MILLING	PLANNING POLICY OFFICER	MENDIP DISTRICT COUNCIL
JENNY KINGSTONE	GENERAL MANAGER FOR COMMUNITY REGENERATION	MENDIP DISTRICT COUNCIL
STEVE MARRIOTT	LA21 OFFICER	NORTH SOMERSET COUNCIL
JULIE COOPER	COMMUNITY OFFICER	SEDGEMOOR DISTRICT COUNCIL
DAVID BAXTER	HOUSING AND ENVIRONMENT TEAM LEADER	SEDGEMOOR DISTRICT COUNCIL
MIKE FACKRELL	CHIEF ENGINEER – SUSTAINABLE DEVELOPMENT GROUP	SOMERSET COUNTY COUNCIL
PETER WIGGINS	ENVIRONMENTAL COORDINATOR	SOUTH GLOUCESTERSHIRE COUNCIL
LISA JONES	HECA COORDINATOR	SOUTH GLOUCESTERSHIRE COUNCIL
CHRIS BEWLEY	ENERGY AND WATER MANAGER	SOUTH GLOUCESTERSHIRE COUNCIL
KEITH WHEATON-GREEN	ENVIRONMENTAL PROJECT OFFICER	SOUTH SOMERSET DISTRICT COUNCIL
KATE BINDING	CORPORATE ENVIRONMENTAL OFFICER	TAUNTON DEANE BOROUGH COUNCIL
RICHARD HARPER	ENERGY EFFICIENCY OFFICER	TAUNTON DEANE BOROUGH COUNCIL
JOHN PERKIN	FACILITIES MANAGER	TAUNTON DEANE BOROUGH COUNCIL
TREVOR RUMBOLD	HEAD, ENVIRONMENTAL PROTECTION POLICY TWO – UTILITIES	MINISTRY OF DEFENCE – DEFENCE LOGISTICS ORGANISATION
IAN BURT	PROPRIETOR	BURCOTT MILL (MICRO-HYDRO SCHEME)
MARTIN EVANS	HEAD OF RECREATION AND TOURISM	EXMOOR NATIONAL PARK
GRAHAM WILLS	HEAD OF CONSERVATION AND LAND MANAGEMENT	EXMOOR NATIONAL PARK
MICHAEL LEGG	JOINT REPLACEMENT STRUCTURE PLAN OFFICER	STRATEGIC PLANNING TRANSPORTATION UNIT
JILL POYTON	PROJECT ENGINEER	RAYMOND PROFESSIONAL GROUP
MARK JOHNSTON	DIRECTOR	SCARAB TRUST

Appendix 1 LIST OF PEOPLE CONSULTED

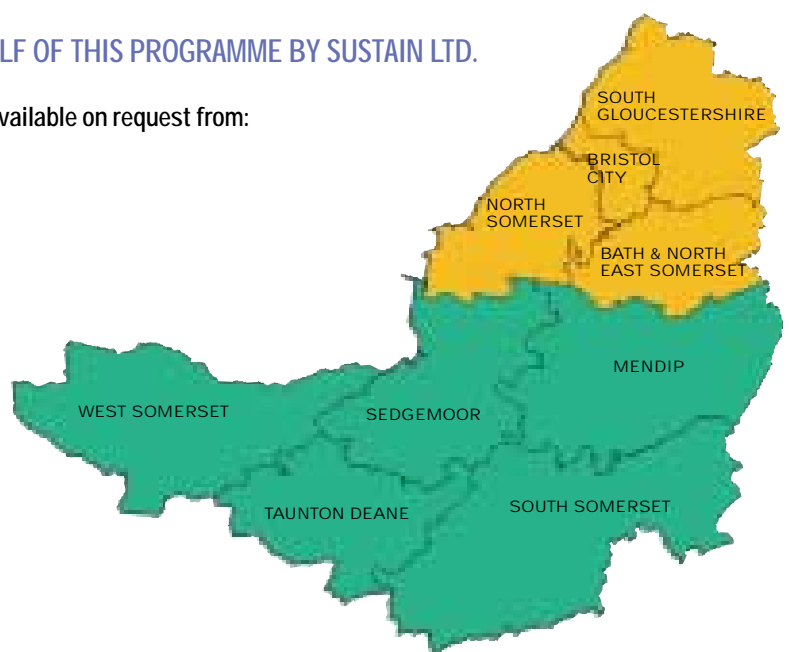
NAME	POSITION	ORGANISATION
GRAHAM AYLING	PROJECT MANAGER – RENEWABLE ENERGY	SEVEN WYE ENERGY AGENCY
TREVOR HOUGHTON	SENIOR CONSULTANT	CAG CONSULTANTS
CRYSTAL MOORE	GROUNDWORK SENIOR ENVIRONMENTAL BUSINESS SERVICES ADVISOR	GROUNDWORK TRUST
TIM BRAUND	EDUCATION AND INTERPRETATION	PINKERY WINDMILL
RICHARD HOGG	BUSINESS DEVELOPMENT MANAGER	COMPACT POWER
BARRY SMITH	PLANNING LIAISON TEAM LEADER	ENVIRONMENT AGENCY
PETER GRIGOREY	SOUTH WEST REGIONAL STRATEGIC PLANNER	ENVIRONMENT AGENCY
JULIAN BROOKS	PROJECTS MANAGER	SOMERSET TRUST FOR SUSTAINABLE DEVELOPMENT
DAN GREEN	SUSTAINABILITY COORDINATOR	WESSEX WATER
MATT PARTRIDGE	DEVELOPMENT MANAGER (SOUTH WEST)	NATIONAL WIND POWER
ROGER SURMAN	FARMER INTERESTED IN BIOMASS FUELS	BADGERS CROSS FARM
PHIL HARDING	REGIONAL ENERGY AND ENVIRONMENTAL OFFICER	GOVERNMENT OFFICE FOR THE SOUTH WEST
ROZANNE SODZI	PROJECT MANAGER PUBLIC HEALTH	GOVERNMENT OFFICE FOR THE SOUTH WEST
SARAH WILLIAMS	HEAD OF BUSINESS AND INNOVATION – WITHIN THE ENTERPRISE TEAM	GOVERNMENT OFFICE FOR THE SOUTH WEST
HELEN COOKE	PUBLIC HEALTH INFORMATION SPECIALIST	SOUTH WEST PUBLIC HEALTH OBSERVATORY
ALAN ALDRIDGE	EXECUTIVE DIRECTOR	ENERGY SYSTEM TRADE ASSOCIATION
JULIET DAVENPORT	CHIEF EXECUTIVE	UNIT [E]
DAVID GARDNER	PROJECT MANAGER – RENEWABLE ENERGY	SCOTTISH AND SOUTHERN ENERGY

CONSULTATION CARRIED OUT ON BEHALF OF THIS PROGRAMME BY SUSTAIN LTD.

A full report of this consultation process is available on request from:

- ◆ David Linsey-Bloom
Programme Coordinator
Tel: 0117 934 0920
or
- ◆ Laura Bramley
Programme Officer
Tel: 0117 934 0926

West of England Sustainable Energy
Development Programme
Centre for Sustainable Energy
The CREATE Centre
Smeaton Road
Bristol BS1 6XN
Email: LASP@cse.org.uk



Appendix 2

THE WEST OF ENGLAND DECLARATION ON CLIMATE CHANGE AND FUEL POVERTY

This authority recognises that:

- ◆ Climate change and fuel poverty are likely to be key drivers of change within the West of England during the next decade
- ◆ Evidence continues to mount that climate change and fuel poverty is occurring
- ◆ Climate change may have far-reaching effects on the region's economy, society and the environment
- ◆ Fuel poverty has a detrimental effect on people's health and well-being.

This authority welcomes the:

- ◆ Social, economic and environmental benefits which will come to the West of England from combating climate change and fuel poverty
- ◆ Understanding in many sectors, including government, health, business and community, of the need to combat climate change and fuel poverty
- ◆ Policies and initiatives already under way in all sectors to combat climate change and fuel poverty
- ◆ Opportunity for us to work together in partnership to further reduce fuel poverty, improve business competitiveness, expand the market for environmental technology and services, thereby creating jobs and training
- ◆ Opportunity for us to lead the response to climate change and thereby play a major role in helping to deliver agreements reached at national and international levels.

Each of the authorities listed hereafter is committed to working towards the aims and objectives set out in the 'Strategy and Action Plan for the West of England Sustainable Energy Development Programme'.

This Plan aims to:

- ◆ Improve energy efficiency in the domestic sector, saving householders money, tackling fuel poverty, improving health and stimulating the local economy
- ◆ Improve efficiency of energy use in business, stimulate investment, improve competitiveness, cut costs, stimulate the local market for environmental technology and energy services, create jobs and training opportunities
- ◆ Encourage the public sector to take a leading role by implementing further sustainable energy initiatives within their own buildings and activities
- ◆ Stimulate the development of cleaner sources of heat and power generation, including those from renewable sources.

The above declaration has been signed by the following local authorities:

Bath and North East Somerset Council, Bristol City Council, Mendip District Council, North Somerset Council, Sedgemoor District Council, South Gloucestershire Council, Taunton Deane Council, Somerset County Council, West Somerset Council and South Somerset Council .

FUTURE ENERGY WEST

is the result of an extensive consultation
across the West of England, led by Sustain
Ltd and the Centre for Sustainable Energy.

Please contact the following for further information,
or to make any comments about Future Energy West:

David Linsey-Bloom Programme Coordinator

Tel: 0117 934 0920 or

Laura Bramley Programme Officer

Tel: 0117 934 0926

West of England Sustainable

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Practical help for Local Authorities