Birmingham and Solihull
Mental Health NHS Foundation Trust

NHS

Sustainable Development - Environmental Strategy

2007 - 2020

Version 1, 1st July 2008

Corporate:
(Estates & Facilities, Environment & Energy)

CONTENTS

1.0 Sustainable Development

The goal of Sustainable Development is to enable people throughout the world to satisfy their basic needs and enjoy a better quality of life, without compromising the quality of life of future generations. Respecting the absolute limits to the earth's ability to provide resources and reabsorb pollution and waste, taking account of how our actions affect other parts of the world and avoiding passing burdens on to future generations.

A sustainable society is one that uses resources efficiently and sensibly, has a pleasant and healthy environment with a thriving and inclusive society, cultural vitality and one that treats the environment responsibly and sensitively whilst meeting social needs.

Sustainable Development covers issues as diverse as health, housing, jobs, crime, education and the environment. **This Strategy focuses on the Environmental aspects of Sustainable Development.**

A definition of Sustainable Development being, *'development which meets the needs of the present without compromising the ability of future generations to meet their own needs'.*

Simplistically for Birmingham and Solihull Mental Health Trust (BSMHFT) this means continuing to provide the same or a further enhanced standard of Healthcare for all of our service users whilst at the same time managing our resources better and minimising our negative impact on our Environment.

2.0 Executive Summary

This Sustainable Development - Environmental Strategy records how the Trust will embrace and embed Sustainable Development principles alongside the delivery of quality healthcare. The Trust has a Strategic Framework (fig 1 below) which defines how this Sustainable Development - Environmental Strategy will be aligned with and supported by a number of policies and procedures.

BSMHFT is committed to the principles of Sustainable Development and will progressively integrate these principles into its daily activities. Through its work with the Department of Health, PCT's, other Government departments and the resident population, we will seek to increase awareness of Sustainable Development and to ensure that wherever possible, activities support the achievement of sustainable development objectives and support the improvement of health and well-being.

(fig 1).

Sustainable Development - Environmental Strategy

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Energy & Carbon Management Policy   Waste Management Strategy & Waste   Sustainable Access / Travel Policy   Sustainable Procurement Policy

(inc Water)   Management Policy

This Sustainable Development – Environmental Strategy and the supporting Policies cover all of the 5 key Environmental Aspects as per Environmental Management System principles. The Trust has not therefore thought it prudent to create a separate Environmental Policy at this stage.

3.0   Overall aim

- Sustainable Development is on the Government's agenda for the long-term. Climate change is clearly the most serious global environmental threat. Promoting new, modern, sustainable ways of living, working, producing and travelling also stands to achieve wider benefits to human health and well-being (ref: "Securing the Future – delivering UK sustainable development strategy"). This is in accordance with the Department of Health's commitment to Sustainable Development and in line with the principles of the White Paper "Our health, our care, our say".

- This strategy compliments the Sustainable Development Strategy prepared by the Shared Services Association and that adopted by Birmingham East and North Primary Care Trust (BENPCT). It describes how BSMHFT will achieve Sustainable Development in all areas and activities of its undertaking in providing mental health care services within Birmingham and Solihull.

- To embed Sustainable Development - Environmental as a core competent of the way in which the Trust delivers its Healthcare.

- Further, BSMHFT will seek to positively influence its providers, suppliers, contractors and stakeholders in supporting our aims to achieve sustainable development.

- The strategy applies to all activities of BSMHFT.

4.0   Key areas for action

4.1 Identify a Director responsible for Sustainable Development - Environmental issues;

4.2 Encourage all Directors, Managers and staff to have specific measurable, applicable and relative targets by way of annual objectives, which are purely related to Sustainable Development principles;

4.3   Set and monitor Trust objectives and targets that can be performance managed;

4.4   Ensure that all staff are sufficiently trained in the principles of sustainable development and the environmental impacts resulting in the delivery of their business;

4.5   Put in place measures that will aim to reduce CO_2 emissions by 60% by the year

2050 from a baseline of the year 2000. In addition the Trust will need to implement measures to meet interim DH / NHS targets - still to be defined;

4.6 Reducing demand for energy by insulating buildings, increasing energy efficiency, reducing the need to travel for both people and goods, considering increasing the level of home working and by persuading people to turn off electrical appliances, when they are not in use;

4.7 Positively investing in energy efficiency plant and systems;

4.8 Increasing efficiency of energy supply and use;

4.9 Maximising use of renewable energy and low carbon technologies, using alternatives fuels for vehicles and encouraging people and businesses to buy green energy.

BSMHFT recognises it responsibilities in helping the NHS to deliver its 15% CO_2 reduction target by the year 2010 (from a baseline of the year 2000). Furthermore the Trust is committed to a continuous reduction in CO_2 and will develop additional milestones in line with Department of Health guidance for the period between 2010 and 2050.

4.10 Minimising waste at source, implementing waste recycling and composting and reducing waste to landfill are priorities for the Trust are documented within the Waste Management Strategy 2007 - 2020;

4.11 BSMHFT will accept its Duty as a Public Body for managing and promoting biodiversity. In accepting is Duty the Trust will need to develop a Bio-diversity Action Plan covering as a minimum Strategy and Policy, Planning and Development, Management of land and buildings and Education, Advice and Awareness. A Bio-diversity Report will be produced annually for each financial year (2008/09 onwards) celebrating activities and setting objectives and challenges for the future.

5 Key Deliverables

5.1 Purchasing - ensure that goods and services purchased by the Trust are manufactured, delivered, used and managed at end of life in an environmentally and socially responsible manner;

5.2 Energy – reduce demand by all parties from all activities, maximising where feasible the use of renewable energy sources, eg ground source heat pumps, wind power and solar power;

5.3 Energy - increase efficiencies – exploring opportunities for onsite renewable energy generation;

5.4 Construction - ensure that we 'build-in' sustainability and energy efficiency and that the Trust utilise 'green methods of construction and operation'; To ensure that BREEAM assessments are undertaken as necessary

5.5 Engage with our staff, contractors, our patients and providers. All stakeholders will be regularly engaged in dialogue about these principles and reports on progress will be shared with them;

5.6 Strive to be a 'Good Corporate Citizen'. The Trust will behave as a 'Good Corporate Citizen' and use its purchasing power to address health inequalities;

5.7 Transport – develop and implement a Sustainable Access / Travel Policy. Discouraging the use of petrol & diesel consuming vehicles. Encourage lower product miles, sourcing supplies locally wherever possible;

5.8 Energy (to include Carbon Management) & Water Policies. Revisit, engage all stakeholders and enforce the policies in all activities;

5.9   Water efficiency – set water saving targets and use grey water where feasible;

5.10 Waste – reduce and minimise all forms of waste and re-cycle waste wherever possible;

5.11 Endeavour to be a champion for sustainability, including the undertaking of sustainability appraisals and looking at whole life costings and life cycle analysis;

5.12 Educate, train and motivate employees to understand and undertake their   role in preventing, controlling and reducing the Trusts environmental impact.

6.0   Monitoring and Evaluation
The implementation table overleaf details key activities and interventions that will be undertaken by Estates and Facilities over the next two years to help to embed principles and practices.

It is however the responsibility of each Directorate, manager and member of staff to be empowered to make a difference and to adopt more sustainable working practices.

This Strategy will be evaluated annually to ensure that it is still 'fit for purpose', ensuring it remains achievable for the Trust and that it is still in compliance with legislation and directives. A formal review shall take place every three years – Estates & Facilities will be responsible for this.

7.0   Implementation Plan (Draft)

Topic	Activity	Timescale / Monitoring
Energy	Undertake Invest to Save projects Five projects initially identified Develop Energy and Carbon Management Policy	For completion by FYE 08/09 Then ongoing efficiency improvements as identified Policy to be adopted by FYE 08/09

	Deliver against Energy & Carbon reduction targets (appendix 3)	Performance monitored at each FYE (Use of estates ERIC returns)
Waste	Develop Waste Management Strategy	Strategy in Place 07/08
	Develop Waste Disposal Policy and Procedures	Policy to be adopted by FYE 08/09
	Waste Compliance	Measured via external Audit to be completed by end FYE 08/09. Then repeated every 24 months.
	Reduction / Re-Use and Recycling Targets (appendix 4)	Set and monitored as per Waste Management Strategy 2007 - 2020
Training	Energy & Environmental Awareness, Training and Briefing Sessions delivered	Over 1200 staff directly trained by FYE 08/09 Attendance Records to confirm attendance
	Use of Intranet / Other Trust Media for Training, Knowledge dissemination purposes.	Ongoing Impact of Training and knowledge dissemination assessed via Energy and Environmental Ad-hoc Inspections and performance against energy, waste and travel targets.
Transport / Travel	Develop Sustainable Transport Policy	Policy to be developed and adopted by FYE 08/09
	Align with Birmingham City Council & Solihull MBC Key Sustainable Transport Priorities (see appendix 5 for key priorities)	System for recording and monitoring performance to be developed – aligned with Trust policy development
Procurement	Sustainable Procurement Policy developed between Procurement / Finance and Estates & Facilities	Policy to be developed and adopted by BSMHFT by FYE 2009/10
Good Corporate Citizen	To complete the GCC self assessment model	Completed / updated annually Reviewed by DH

Appendix 1 Benefits of Sustainable Development - Environmental

- Improved health for the population of BSMHFT by the creation of an environmentally friendly environment;

- By Reducing waste and Increasing Recycling - Minimising the impact of landfill tax (tax escalator now at £8 per tonne increase per annum) – Avoiding increasing costs;

- Reduced utility costs (electricity and gas) by reducing demand;

- A reduction in CO_2 and Carbon omissions. ERIC (online Estates Management Information Tool) returns should identify and where appropriate demonstrate a reduction in the use of and reliance on fossil fuels both Trust wide and where appropriate site specific;

- Compliance with legislation and directives;

- Enhancement of the organisational image and the adoption of that 'feel good' factor;

- Positive impact on the PEAT (Patient Environment Action Team) assessments undertaken as waste for example would be managed at or better than current standards;

- Support of partnering organisation objectives.

Appendix 2 Strategic Context for Sustainable Development

- Our climate is changing for the worse due to our actions, and is threatening our quality of life by impacting on our health, environment, economy and society. This strategy will enable the Trust, our staff, providers, suppliers, stakeholders as well as all those who live in Birmingham and Solihull to take actions to safeguard our environment and the planet we live on. We will do this by reducing our impact on the climate to help avoid dangerous climate change. We will also prepare for the effects of our changing climate.

- There is overwhelming scientific evidence that human activity is changing the climate and that this presents a serious threat to human society and the natural environment. We now know that the main cause of climate change is the emission of greenhouse gases, of which carbon dioxide (CO_2) and methane are the most significant. These gases largely result from the use of fossil fuels (such as gas, coal and oil) for generating electricity, creating heat, fuel for transport, and raw material for industry.

- We are experiencing the impacts of climate change now and Birmingham and Solihull will increasingly be affected by climate change resulting from previously emitted CO_2 and methane. We need to be prepared for this. Globally, the ten

warmest years, since records began, have occurred since 1994. The City of Birmingham has set a target to reduce its 6 million tonnes of CO_2 emissions by 20% by 2010 and 50% by 2050 (ref. 1990 baseline).

- At the Earth Summit at Rio de Janeiro in 1992, the UK Government committed to the development of a UK Sustainable Development Strategy. The UK Government launched its current strategy for sustainable development,

  '*Securing The Future',* in conjunction with a *'Strategic Framework' in* March 2005 ('Agenda 21'). The strategy aims to enable all people throughout the world to satisfy their needs and enjoy a better quality of life, without compromising the quality of life of future generations.

- It further describes four agreed priorities to progress sustainable development, in the UK and the world as a whole:
- Sustainable production and consumption – working towards achieving more with less, reducing the inefficient use of resources and breaking the link between economic growth and environmental degradation.

- Natural resource protection and environmental enhancement – protecting and replacing the natural resources on which we depend

- Sustainable communities – creating places where people want to live and work, now and in the future.

- Climate change and energy – confronting the greatest threat, changing the way we use, procure and generate energy. Preparing for the climate change which cannot now be avoided.

- In order to chart progress towards sustainable development in the UK, the Government has developed a set of 68 '*indicators'* against which progress will be measured. These indicators cover a range of activities, including greenhouse gas emissions, resource use, waste, crime, economic output, health inequality, poverty and education. The Department of Health has a direct responsibility for the indicators around health inequality. In addition, the activities of the Department of Health, its Arms Length Bodies and the NHS also influences the performance against many other indicators, such as wellbeing, greenhouse gas emissions, waste resource use, crime and employment.

- The Department of Health's overall aim is to improve the health and well-being of the population of England. The Trust also has responsibility for delivering this through its Healthcare activities. To improve the health and well–being of the region, we must manage the wider impacts and by-products of our activities in accordance with sustainable development principles. In essence, this relates to the Trusts role as a provider, an employer, a neighbour, an owner / occupier of land & buildings and a purchaser.

- For organisations in general, there is increasing attention on corporate social responsibility – the integration of social, environmental and governance concerns into business operations. This is described in the European Commission Green Paper '*Promoting a European Framework for Corporate Social Responsibility'*. In the UK, the Government has established a '*gateway for corporate social responsibility'* and the '*CSR Academy'* to encourage business managers to adopt more sustainable practices. The NHS is also working towards acting as a Good Corporate Citizen, and the '*Public Health White Paper – Choosing Health'* encourages both the public and private sector to consider their role in corporate citizenship by improving the health of employees and the wider community.

- The key issues addressed by this strategy are:-

- Maximising the potential of employees to contribute towards sustainable development;

- Sustaining the environment for future generations;

- Supporting the communities within which the Trust operates;

- Managing the wider impacts on society of the Trusts activity ;

- Engaging stakeholders and the public disclosure of progress;

- Increasing the contribution that the Trust makes to the achievement of sustainable development objectives, and the Department of Health's aim of improving the health and well-being of the nation's people.

Appendix 3

The Trust will continue to work towards meeting and supporting the DH energy reduction target of reducing the existing levels of primary energy consumption across the NHS by 15% based on 1999/2000 consumption, giving a reduction of 1.5 million tons of carbon from March 2000 to March 2010.

However to enable the Trust to measure its own performance against Energy and Carbon reduction the following reduction targets will be set (see table below). Performance will be reviewed annually at the end of each financial year, as will the relevance, effectiveness and deliverability of this policy.
Performance against the targets will be reported on as part of the Environmental Annual Report.

Target	Baseline	Target Date	Target
To reduce total energy consumption	2007/08 – ERIC returns	FYE 2008/09	1.5% reduction in energy use

To reduce total energy consumption	2008/09 - ERIC returns	FYE 2009/10	1.5% reduction in energy use
To reduce total energy consumption	2009/10 - ERIC returns onwards	Each Financial Year 2010/11 onwards	1% reduction in energy use
To reduce the energy related CO_2 per FTE staff member.	2007/08 – ERIC returns onwards	Each FYE	1% reduction in CO_2 (per annum)
Achieve a target of 35-55* GJ/100m^3 energy efficiency performance for the healthcare estate for all new capital developments and major redevelopments and/or refurbishments.			
All existing facilities should be managed/modified to achieve operational targets of 55-65* GJ/100m^3			

Appendix 4

Table Taken from Trust Waste Management Strategy 2007 – 2020

Target / Outcome	Responsibility	Measured
1. A 1% reduction per annum in waste generated from 2007/08 baseline.	Trust wide remit to reduce waste generated. Performance monitored by Estates and Facilities Management	Performance measured annually via ERIC returns
2. To endeavour to maximise the re-use of waste likely to include waste generated from capital projects and furniture. Trust Procurement policy to include whole life costings considerations.	Estates and Facilities management	Reported via Waste Management Annual Report
3. 3.1 – To recycle 30% of domestic waste by 2010 3.2 – To recycle 40% of domestic waste by 2013 3.3 – To recycle 50% of domestic waste by 2020	Trust wide responsibility – Estates and Facilities to lead	Performance measured annually via ERIC returns Reported via Waste Management Annual Report

4. To ensure energy from waste is considered and evaluated on all future developments / redevelopments	Estates and Facilities management	Reported via Waste Management Annual Report
5. From 2008/09 onwards – To undertake a annual waste audit. Ensuring that every second audit is undertaken by an external party	Estates and Facilities management	Reported via Waste Management Annual Report

Performance will be monitored as per the Waste Management Strategy

Appendix 5 Sustainable Transport / Travel Targets

These are to be developed part of the Sustainable Transport Policy for BSMHFT.

Key priorities that the Trust needs to be working towards (in line with City Council / Borough Council priorities) includes:-

- Encouraging people out of cars and onto public transport
- Promoting and support cycling
- Encouraging car sharing
- Addressing working practices, including commuting, home working, flexible working practices.
- Incentivising change
- Encouraging walking and physical recreation
- Accepting and utilising technology to mitigate unnecessary travel

The BSMHFT Sustainable Travel Policy (when developed) will need to replicate and support these underlying principles.

- Environmental management systems (ISO 14001) can assist an organisation to meet its increasingly heavy burden of responsibility for the future condition of our world environment. In many cases, the introduction of an environmental management system can also aid cost savings, and a reduction of environmental liability;

- The scope and severity of environmental legislation is ever increasing. A management system that ensures recognition of the requirements and compliance with them will ensure that fines are avoided and in addition avoid the publicity that inevitably follows an environmental prosecution;

- The ability to demonstrate a responsible environmental attitude can dramatically improve the image of an organisation, fostering better relations with the organisations stake holders. Even more importantly, adverse publicity about the organisations environmental performance is always highly damaging;

- Effective environmental management will evaluate all opportunities for cost savings, the most common benefits derive from a review of resource / energy utilisation and its efficiency, forcing full consideration of alternative energy sources and their cost effectiveness. The other primary element will be minimisation of waste and result and cost of disposal;

- The Trust will where applicable adopt the principles of ISO14001 in the policy setting, regulation, compliance, planning, implementation, performance management and review of significant activities and interventions;
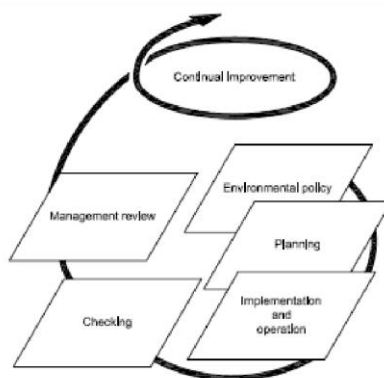

Figure 1 — Environmental management system model for this International Standard

- The Trust will adopt and acknowledge best practice where possible and will strive to continually improve its environmental management performance;

- The Trust will consider future movement towards full ISO 14001 accreditation and / or other appropriate standards.

Appendix 7 Partners / Stakeholders

To deliver against this strategy and to really underpin Sustainable Development principles the Trust will need to work closely and in partnership with stakeholders, staff, the resident

population, partners, service users and the general public. These will include but will not be limited to:-

- HM Government

- The Department of Health

- PFI business partners

- The Government Office for the West Midlands

- Strategic Health Authority / PCT's / Shared Services

- The Carbon Trust and other funded Agencies

- Other NHS Trusts and Partners

- Birmingham Strategic Partnership
  (ref. The Birmingham Climate Change Strategy)

- Birmingham City Council / Solihull Metropolitan Borough Council

- Service Providers / External Contractors