

Barts Health Environmental Sustainability Strategy

Our vision for a sustainable
future

2013-2020



1.0 Strategy overview and scope

- 1.1 The trust has an obligation to achieve the carbon reduction targets as set down by the UK government under the Climate Change Act 2008. The following document sets out the Barts Health environmental sustainability strategy which will facilitate the organisation achieving the targets.
- 1.2 The strategy focuses on three core areas of impact; financial impact, environmental impact and social impact, and outlines how as an organisation we will embed changes across these areas within our hospitals, within our communities and across the wider NHS. The delivery of the strategy ensures Barts Health will achieve its legislative commitments and will continue to drive innovation, best practice and excellence, ensuring we remain at the forefront as a leader in this field.
- 1.3 The strategy supports and delivers the Barts Health vision and values, and fully integrates with the Changing Lives [and public health] agendas; promoting health and reducing health inequalities, empowering individuals to make lasting and meaningful change for the benefit of our organisation, our patients and our communities, demonstrating our commitment to reducing our impact on our surroundings and supporting and enabling the adapting delivery of health services across our health catchment.
- 1.4 The social, economic and environmental aspects of sustainable healthcare are all closely linked and together provide a gateway for us to demonstrate how delivering improvements in all three areas can benefit the healthcare system in the UK.

2.0 Our sustainable vision

- 2.1 Barts Health is committed to delivering world-class healthcare and to ensuring our organisation remains fit to do so both now and in the future. We understand that we need to embed a culture that enables early adoption, adaptation and innovation to be driven throughout our organisation and into the core of the health services we deliver.
- 2.2 Our target is to be the most sustainable trust in the UK by 2020.
- 2.3 At the heart of our strategic vision is the desire to make lasting and measurable change to those who live in our health catchments, addressing some of the key health and social inequalities which are prevalent within our communities.
- 2.4 Our sustainability strategy supports this vision, aiming to address and improve the environmental, social and financial impact of the trust, its communities and the wider NHS. Our sustainable vision will be delivered through a structured programme of works that will be focused around the following areas:
- 2.5 **Our hospitals:** we commit to reducing our environmental impact, our reliance on natural capital and to improving the resilience of our built environments, ensuring they are fit for the future. This will be achieved through investment in infrastructure, improved biodiversity, integrated behavioural change, active travel and adaptation planning, delivered through strategic partnerships.
- 2.6 **Our communities:** we commit to reducing health and social inequalities, linking and connecting with our community to tackle four core impact areas: Reducing Fuel Poverty, Improving Air Quality, Sustainable Growing and Food and Nutrition Education. Through our partnerships we will strive to

create good quality, sustainable employment, skills and training opportunities and enhance the opportunity for social volunteering.

2.7 The wider NHS: we will continue to lead the way in the NHS as an exemplar beacon of best practice, knowledge sharing and innovation. Through the annual NHS Sustainability Day we will harness and enable collaboration between organisations; NHS trusts, Clinical Commissioning Groups and Health and Wellbeing Boards. We will continue to drive the Sustainability agenda across our immediate geographical location (London) ensuring the region remains at the forefront of sustainable development. We will explore the potential for financial revenue opportunities for the organisation through the creation of replicable products which will be mutually beneficial to both Barts Health and the wider NHS.

3.0 Drivers for Change

3.1 Financial

3.1.1 The need to do more with less is critical, now more than ever, if the NHS is to survive in the current economic environment, achieving the £20bn savings target whilst not affecting front line services and meeting the demand of the growing and aging UK population.

3.1.2 Over the past 10 years energy prices have trebled and this upward trend is set to continue, with energy prices predicted to double between 2013 and 2018, putting the forecast energy bill for 2020 for the NHS at £1.2bn and for Barts Health at £24m.

3.1.3 Water prices are rising at a similar rate. On top of general water inflation and forecast increases following the deregulation of the market in 2015, additional obligations have been placed on all organisations and households in London in order to fund essential infrastructure works, this commits a certain increase of 25% by 2017 in order to fund the construction of the 'super sewer'. Barts Health current annual commitment for water is £1.7m, meaning a certain increase of £425K and forecast cost and inflation increases of around double the current rate, bringing the forecast position in 2020 to circa £3.8m.

3.1.4 Increased legislation has brought significant financial pressure, with the Carbon Reduction commitment placing an additional £700K cost pressure on the trust, which will increase to £1m by 2016 as the price of carbon rises. The EU Emissions Trading Scheme places further financial pressure with allowances needed to be bought and sold to offset our emissions on the European market, and the trend is continuing towards an increase in legislation for carbon, which will spread to include areas such as, travel, property, waste and procurement.

3.1.5 These factors, coupled with an increase in occupancy and activity within our hospitals and economic drivers increasing commodity prices, mean the cost of energy and carbon will be an ever more prevalent factor when considering how we deliver healthcare.

3.1.6 Clear financial gains can be made from achieving efficiency savings through environmental and socially focused projects.

3.2 Legislation

3.2.1 The government continues to set legislation to encourage the development of low-carbon economies. In 2009 the UK government set out the world's first carbon budget, providing certainty around its intentions to develop the use low-carbon technologies and business practices; cutting



emissions, bolstering the UK economy and creating sustainable employment opportunities. Since then the government has set out a series of increasingly stringent legislative requirements for UK business.

3.2.2 Under the Climate Change Act 2008 (CCA) all organisations in the UK are committed to reducing their carbon emissions by 34% by 2020 and 80% by 2050 (based on 1990 baseline). In addition the NHS have committed to leading the public sector in this areas and have set interim reduction targets to ensure the healthcare sector stays focused to achieve these reductions; these are 10% by 2015 and 60% by 2030. As accurate base lining data is not available for 1990, the NHS has recommended the use of 2007 data to create and measure the baseline. All figures presented within this document use this 2007 baseline.

3.2.3 Legislation is continuously changing and improving (evolving) to ensure UK businesses are reacting to mitigate and adapt to the increasing effects of climate.

3.3 Capacity

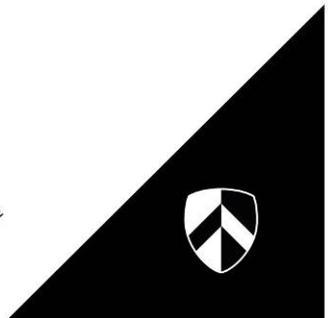
3.3.1 With a growing population and the widespread use of energy dependant technologies, the UK is currently facing the most significant supply/ demand gap it has ever seen. This has been exacerbated by the lack of investment in UK infrastructure and generation capacity. It is predicted that by 2015 demand will outstrip supply and the gap in UK market will widen leading to brownouts and an uncertain guarantee of grid supply. It is important therefore for the trust to improve its resilience and reduce reliance on grid supplies.

3.4 Consumer demands

3.4.1 The expectations of patients, staff, visitors and our wider communities are becoming increasingly elevated in regards to sustainability in the NHS. In 2011 the Sustainable Development Unit commissioned Ipsos MORI to conduct a detailed public opinion survey of over 1000 people to shape understanding around the public's view of the NHS's role in leading on sustainability. The results showed that 92% of the public think it is important for the NHS to work in a more sustainable way, with 33% saying they should do this even if it costs money and 19% who thought it should be a top priority.

3.4.2 When presented with specific examples where the NHS could be more sustainable, 75% said that hospitals serving locally sourced food will improve the patient experience, and a similar proportion (73%) said that locating services closer to people's homes would have the same effect. Half the public surveyed (52%) said they would be likely to accept re-issued medicines that had been checked for safety.

3.4.3 London's Commissioning Service Plans for 2012-2015 include statements which require the improvement of sustainability through sustainable commissioning. This, coupled with an increasing move towards patient choice, the diverse set of detainments Clinical Commissioning Groups and Health & Wellbeing Boards are using to allocate funding and the continued use of payments by results, demonstrate the relevance and pertinence of the trusts agenda on sustainability and the importance of engaging with our communities on the agenda. It may also influence future employment choices for clinical and support staff when evaluating potential employment and training opportunities at Barts Health.



3.5 Competition

3.5.1 As we move forward towards achieving foundation trust status and set out, as an organisation, our plans for future expansion and growth, it will be important for us to have a clear route map towards a sustainable future. As outlined above, public opinion is veering towards an increasing demand on the NHS to be a leader in creating a healthy, sustainable future. With the move towards an increase in patient choice Barts Health must ensure these increasing expectations are met.

4.0 Overarching Objectives

4.1 The Barts Health sustainability strategy will be supported by a comprehensive Sustainable Development Management Plan (SDMP) which will detail the delivery mechanisms for the strategy. The objectives are also supported by the objectives as set out in the Estates and Facilities strategies. The following outlines the overarching/ key objectives of the strategy:

- Reduce the trust carbon footprint by 34% by 2020 (based on a 2007 baseline)
- Reduce the trusts water consumption by 30% by 2020 (on a 2013 baseline)
- Reduce the trusts waste arising's, per patient, by 15%
- Fully integrate sustainable and ethical procurement practices into the Barts Health procurement strategy, policy and processes for all goods and services
- Embed sustainable behaviours through active change programmes
- Actively deliver the Barts Health vision and values and support the delivery of Changing Lives agenda, through our sustainability agenda
- Actively engage our communities, focusing on areas which actively reduce health and social inequalities through sustainable actions and behaviours
- Reduce financial risks and minimise exposure to future financial cost pressures
- Activity encourage a modal shift in travel and transport methods to more active, sustainable modes
- Establish a Corporate Social Responsibility statement and brand for Barts Health
- Deliver innovation
- Lead the way in the NHS

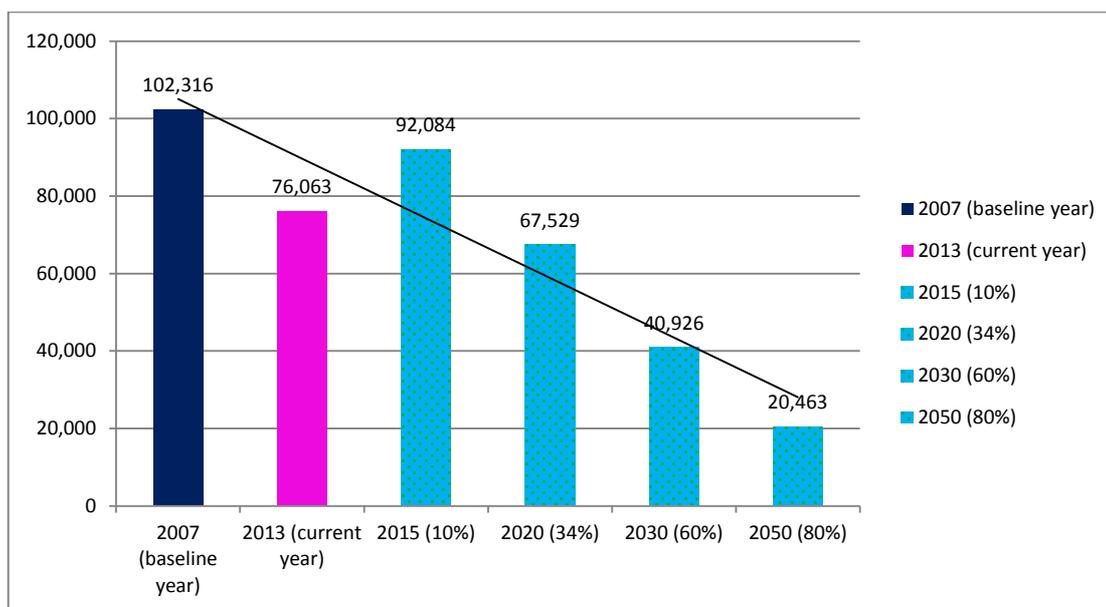
5.0 Targets

5.1 By 2020 the trust is required by law to reduce its carbon emissions by 34% on a 1990 baseline and by 2050 this extends to 80%. In the absence of an accurate baseline for the 1990 measurement the NHS has recommended that organisations use the baseline year of 2007.

5.2 In 2007 the Barts Health baseline was 102,316 tonnes of CO₂. This rose to a peak in 2009 of 113,311* tonnes. Since then modest investment has been made in improvements and measures to reduce carbon reductions. In 2013 the trusts emissions fell to 76,063 tonnes, achieving and surpassing the NHS target for 2015 for a reduction of 10% on a 2007 baseline. *Note: baseline figures have been adjusted to incorporate all the current Barts Health estate.*

5.3 Now that many of the 'quick win' and short payback measures have been implemented, the organization now needs to work hard to achieve the 2020 target and seek transformational change in order to achieve the 2050 target.

5.4 A graphical representation of our progress to date is shown below, along with our journey towards our future targets;



*figure excludes Mile End emissions for 2007 as data not available

5.5 As the graph shows, Barts Health has already achieved the NHS target for 2015. It is suggested that an organizational target is therefore set in order to ensure we remain on the trajectory to achieve the 2020 legislative target of 34%. The proposed 2015 Barts Health target is 20% on the 2007 baseline.

6.0 Reporting & governance

6.1 The trust is required to report their emissions annually in order to satisfy a number of legislative, NHS and Department of Health requirements.

6.2 From October 2013 all UK incorporated companies listed on the main market of the London stock exchange, or listed in a European Economic Area, or those trading on the New York Stock market or NASDAQ, will be required to report their annual Greenhouse Gas Emissions (GHG) in their directors reports. This will mean a significant shift in awareness of carbon data and reporting, and will make the trusts reporting more contextualized. DEFRA (the UK Department for Environment, Food and Rural Affairs) estimate that this will contribute to a saving of four million tonnes CO₂e by 2021.

6.3 The trust will continue to report its own emissions on an annual basis in its annual report, as required, and will report progress through the annual review. It will expand the scope of its reporting to include areas such as travel, transport and supplier emissions as accurate data becomes available. The trust will also consider reporting externally, on a voluntary basis, into the Carbon Disclosure Project (CDP) in order to attain a position on the climate disclosure leadership index.



6.4 In addition the trust will seek to achieve recognized standards for its reporting and reduction achievements such as those accredited through the BREEAM in Use and Carbon Trust Standard schemes.

6.5 Internal reporting and governance structures will be set out in the trusts Sustainable Development Management Plan, with the trust board retaining an overview of progress through the aforementioned reporting mechanisms.

7.0 Environmental Impact

7.1.1 Barts Health is committed to reducing our environmental impact and achieving our legislative targets. In order to reduce our environmental impact and achieve our legislative targets significant investment will be need to be made in infrastructure, behaviours and low carbon technologies. We will achieve this though a detailed programme of work that will focus on:

- Reducing our building energy emissions
- Engaging our staff on sustainability
- Improving resilience to climate change
- Reducing our water consumption
- Reducing our impact from waste
- Reducing risk
- Adapting our built environment for severe weather events
- Enabling active travel and;
- Encouraging local procurement

7.1.2 One of the key enablers to achieving success will be the creation of strategic partnerships in order to deliver our objectives. Strategic partnerships will be formed to deliver some of the most challenging aspects of the programme in order to draw on expertise from the public, private and 3rd sectors to deliver innovation and excellence through collaboration.

7.1.3 The Department of Health publication 'tomorrow's healthcare environments - towards a sustainable future', illustrates the commitment to raising the quality and sustainability of health buildings and spaces, using examples ranging from whole health re-configurations to health centres.

7.2 Energy Performance Contracting (EPC)

7.2.1 In order to deliver significant investment in low carbon technologies and infrastructure improvements the trust will deliver two energy performance contracts; one to the PFI estate and one to the non-PFI estate. The contracts will address a number of key issues for the trust. Namely, they will;

- Ensure the trust achieve their 2020 carbon reduction targets through the implementation of low carbon technologies such as Combine Health and Power (CHP) plant and integrated behavioural change programmes
- Ensure investment in infrastructure to support clinical services
- Reduce a proportion of our high risk backlog maintenance
- Increase the resilience of our built estate
- Limit the trusts liability and exposure to future energy price rises

7.2.2 The package of measures will be delivered through a fully funded, performance guaranteed and risk free mechanism for the trust, providing off balance sheet options to prevent financial barriers as we move forward as a Foundation trust.

7.3 Natural Capital

7.3.1 With increasing prevalence items of natural capital, such as water, are posing increasing risk in terms of price and availability. Water, as a commodity, is becoming increasingly depleted and expensive, and with the deregulation of the UK market set for 2015 and the increasing need for investment in alternative treatment technologies and facilities, this trend is likely to continue. In London, water prices are set to rise by 25% over the coming 4 years to 2017 whilst the city repays the construction of the capitals 'super sewer' and similar schemes are likely to be required in order to avoid future flooding risks across the capital.

7.3.2 In mid-2009 the trust formed a partnership with Advance Demand Side Management (ADSM) to start to understand and address at the early stages the risks associated with this commodity. Accessing funding through the Aquafund [a private equity fund established to provide grant funding enable water efficiencies and release financial savings] the trust were able to accurately baseline their consumption and establish a programme to drive reductions in its water consumption.

7.3.3 Since the scheme began the trust has reduced its consumption by >100 million litres, avoiding costs in excess of £350K. In 2012 the trust were one of two organisations shortlisted by the Environment Agency for the UK's water efficiency awards and in 2013 the scheme was shortlisted for an HSJ Efficiency Award. Following its success to date the trust commit to continue to work in partnership with ADSM to reduce our water impact to deliver a further 30% reduction in water usage across our estate.

7.4 Behavioural Change

7.4.1 Changing behaviours forms a key part of our sustainability agenda moving forward. Adapting behaviours to ensure our staff integrate effectively with their built environment ensuring both improved patient experience and efficiencies are achieved. Barts Health commit to focusing on behaviours through our changing lives campaign and through our internal and external awareness programmes, raising the profile of environmental awareness throughout our staff base and our wider communities to deliver environmental, social and financial benefits at both an individual and organisational level.

7.4.2 As part of our approach on collaborative we will work in partnership with the Energy Managers Association (EMA) to provide training on energy awareness across the organisation. Through this association Barts Health aim to train every members of our staff appropriate to their position.

7.5 Adapting models of care

7.5.1 As we move forward past 2020 it will be increasingly important for us to approach our emissions in relation to our core business i.e. how each of our patient pathways impact our emissions and how these may be able to be adapted to reduce emissions.

7.5.2 Over the following 7 years the trust will explore, in detail, a number of pathways in order that the organisation can begin to examine its emissions in this way and adapt its clinical processes in order to drive reductions.



7.5.3 In a similar way we will establish a baseline for our supply chain emissions and look at ways we can work with suppliers to actively reduce these in order to support the trusts sustainable vision.

7.6 Biodiversity and green space

7.6.1 In order to improve our sites resilience to severe weather conditions, such as for heat wave planning, and to improve the biodiversity across our built environment we will establish green spaces for community use. These may take the form of allotment space for use in; wherever practical we will link the spaces with clinical therapies in order to benefit our patients.

7.7 NHS sustainability Day

7.7.1 NHS Sustainability Day is national [and international] collaborative day of action on climate change aimed at engagement, knowledge sharing and recognition and reward across the NHS and healthcare sector. Hosted by Barts Health the day offers a unique opportunity for trusts to collaborate on issues surrounding climate change to take action to make lasting change across the sector. Supported by an online platform, the individual knowledge sharing hubs offer inspiration to trusts whilst private sector partners pledge their support to organisations in tackling specific issues. Annual awards showcase best practice across a number of categories of excellence.

7.7.2 Barts Health will continue to host this day with the aim of driving wide scale change and progress across the NHS, whilst demonstrating Barts Health commitment as a leader in sustainable development.

8.0 Financial Impact

8.1 The trusts current financial liability for utilities is £13.7m per annum. If the trust were to do nothing in terms of reduction, by 2020 this cost would be circa £29m (as outlined in section 3.1 above).

8.2 Since 2000 energy prices in the UK have trebled and the trend is set to continue over the coming years with forecasts for 2020 predicted to double again on today's rates. This, combined with an increase in demand and no additional capacity are leading to an increasing trend in peak demand charges on utilities, applying additional financial pressures.

8.2 In London water prices are due to rise by 25% over the coming 4 years as commodity prices rise and the 'super sewer' is repaid.

8.3 Over the past 5 years the government has introduced a series of additional legislation which levees taxes on high users of gas and electricity and binds them to stringent reduction targets. Schemes such as the carbon reduction commitment add an additional £700K to the trusts annual energy bill and this is set to rise to £1m in 2016 (based on today's prices) when the commodity price for carbon hits it's first incremental increase. Our two largest sites, the Royal London and Whipps Cross hospitals, are also governed by the EU Emissions trading scheme, similar to the carbon reduction scheme the EUETS scheme commits the trust to purchasing allowances to cover their carbon emissions as well as achieving stringent reduction targets.

8.4 Government are set to introduce additional legislation over the coming years placing more responsibility on organisations and extending to include areas such as travel, waste and water. Such legislation has been outlined to place financial risks and penalties on organisation who do not comply.

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- 8.5 In order to begin to address this risk moderate investment has been made across the legacy sites; Improving efficiencies of plant and equipment, upgrading elements of lighting, reducing our water consumption and waste arising's and changing behaviours. Around £2M has been invested saving the trust around £1m per annum.
- 8.6 Key financial objectives
- Reduce the trusts exposure to future energy and utility inflation
 - Reduce the trusts liability (risk) of penalties for achieving its Climate Change Act targets
 - Reduce the trusts exposure to future carbon taxes and penalties
 - Improve resilience and reduce dependency on grid capacity
 - Create sustainable revenue opportunities for the trust
- 8.7 In order to reduce our financial liability in the coming years significant investment needs to be made in implementing measures to reduce our energy usage, carbon emissions and cost within our built estate. Investment in large scale capital projects will be essential; those such as the introduction of Combined Heat and Power (CHP) plant, LED lighting and Building Management control Systems (BMS).
- 8.8 A number of funding options will be explored in order to deliver these projects, with the trust applying for grant funding where available. However It is proposed that a majority of these schemes are undertaken through Energy Performance Contracting (EPC); a fully funded, performance guaranteed managed service which places no financial risk to the trust but the delivery of large-scale capital investment as an off balance sheet solution. For these projects we will employ an approach whereby we package work into PFI estate works (for RLH and SBH) and non-PFI estate (for NUH, WXH and MEH) note; it is assumed that no investment works will be carried out at the London Chest hospitals due to it's impending closure.
- 8.9 Through these schemes we will aim to deliver significant financial savings and avoid future exposure to rising prices whilst delivering our 34% carbon reduction target as set out in the Climate Change Act.
- 8.10 Within our communities we will seek to capture opportunities for revenue generation, whilst having a positive impact on both the environmental and social impacts across our health boroughs. We will explore opportunities for interventions such as community solar projects and projects that are focused on promoting health and prevention to reduce pressures on our service in the future. We will seek to create sustainable local employment, skills, knowledge and learning opportunities, building our reputation to aid patients in choosing Barts Health as their healthcare organisation of choice in the future.
- 8.11 We will showcase best practice across the NHS ensuring our learnings positively benefit other healthcare organisations. We will create products that we will market to other trusts in order to generate revenue and offer specialist consultation advice around sustainability, where appropriate, in order to aid other trusts to achieve environmental excellence.



9.0 Social Impact

9.1.1 Barts Health recognises the challenges faced in order to achieve our 2050 targets and the necessity to radically rethink the way we deliver our health services; focusing not simply on building efficiencies but on the wider social and health inequalities that determine health. We wish to ensure that we can deliver world class healthcare to those who need it, both now and in the future, improving the health and wellbeing of those who don't and minimising our impact on both the environment and on our finances.

9.1.2 As well as considering the trusts environmental and financial impacts, it is important for the trust to evaluate and improve its social impact. The trust operates across a diverse catchment area which sees some of the highest levels of social and health inequalities in the UK.

9.1.3 We recognise the importance of connecting with our communities in order to fully integrate our health services across our health boroughs. In order to connect with our communities on sustainability we will implement a number of integrated programmes aimed at improving both health and sustainability, namely;

- Reducing fuel poverty across our health boroughs
- Improving knowledge around food, nutrition and sustainable growing through education
- Encouraging sustainable, active travel
- Creating local green jobs and improving skills/education opportunities
- Establishing a Corporate Social Responsibility (CSR) brand
- Improving local air quality
- Establishing community growing projects
- Improving carbon awareness across our health boroughs

9.1.4 The trust will actively engage partners for the above programmes in order to limit financial liability and maximise benefit to the organisation.

9.2 Fuel poverty

9.2.1 Fuel poverty increases demand on our clinical services and leads to increasing avoidable winter deaths.

9.2.2 It is estimated [by the Chief Medical Officer at Department of Health] that fuel poverty currently costs the NHS £850m a year through the treatment of winter related diseases caused by cold homes. Improving efficiency and delivering affordable warmth within our communities and across the UK is crucial if we are to reduce the 25,400 annual excess winter deaths from cold homes, improve the educational attainment of our future generations and reduce cost pressures on the already stretched service.

9.2.3 London has the highest rates of fuel poverty of any region in the UK. Tower Hamlets (one of our health boroughs) is one of the worst affected areas in the country, accounting for around 330 excess winter deaths and a large number of individuals suffering from a variety of associated health issues.

9.2.4 Improving the energy efficiency of the existing [building] stock is a long-term, sustainable way of ensuring multiple gains, including environmental, health and social gains. For every £1 spent on improving the heating in a home the NHS saves £0.42.

.2.5 In order to begin to address the health and social issues associated with fuel poverty Barts Health will create strategic partnerships to enable the delivery of cost neutral improvements to homes across our health catchment, to actively reduce fuel poverty within our communities through referrals for domestic efficiency improvements, reducing excess winter deaths and improving health outcomes

9.3 Malnutrition and obesity

9.3.1 Malnutrition and obesity both present an increase in incidents of complex, interrelated and long term conditions.

9.3.2 Barts Health will tackle these issues through their sustainability programme through the delivery of project is two core aspects:

9.3.3 Education in food, nutrition and sustainable growing; Barts Health will form strategic partnerships to deliver food and nutrition education to young people across our boroughs, whilst increasing access to and education around the importance of sustainable growing. It is hoped that by improving education around good food and nutrition, we will equip future generations with the tools to lead long and healthy lives.

9.3.4 Encouraging physical activity; Barts Health will actively encourage our staff, visitors and communities to take regular exercise, through the use of sustainable modes of transport. In addition to improving obesity rates and its associated diseases, this will also contribute to improving local air quality and reducing carbon emissions from travel.

9.4 Sustainable, active travel

9.4.1 Supporting both the sustainability and Health and wellbeing agendas the trust commit to encouraging the increased use of active travel. In order to support this investment will be made in infrastructure and to encourage patients, staff and visitors to walk, cycle or take public transport to our sites. We will work with Transport for London and our local boroughs to improve facilities and enable change.

9.5 Employment and skills opportunities

9.5.1 Improved education and skill opportunities, along with good quality, sustained employment has established links with a reduction in improved skills, education and knowledge coupled with good quality work improve overall mental and physical health and support economic and social growth within our communities.

9.5.2 The sustainability agenda will support the education and skills of our communities by:

- Actively supporting the Estates and Facilities (EFM) apprentices through their courses
- Establishing standard levels of education for all staff, and ensuring their delivery
- Creating opportunities for further skills and education around sustainability
- Creating, where appropriate, green employment opportunities

9.6 Corporate Social Responsibility (CSR)

9.6.1 Barts Health recognises the importance of its Corporate Social Responsibilities (CSR) within its operation, and strives to fully integrate social, economic and environmental concerns into all levels of its business operations. This will be reflected in the way we engage and interact with our employees, our patients, our partners and our communities. The Trust considers that its Corporate Social Responsibility is integral to the effective delivery of healthcare excellence.

9.6.2 A copy of the Barts Health Corporate Social Responsibility statement can be located in Appendix A of this document.

9.7 Poor Air quality

9.7.1 Poor air quality increases and exacerbates cardiovascular and respiratory diseases, and contributes to acute and chronic long term health conditions.

9.7.2 Mortality rates in cities with high levels of pollution, exceeds that observed in relatively cleaner cities by 15–20%. Even in the EU, average life expectancy is 8.6 months lower due to exposure to particulate matter produced by human activities.

9.7.3 By reducing air pollution levels across our health communities, we can help reduce the burden of disease from respiratory infections, heart disease and lung cancer, improving both the short and long term health of our population.

9.7.4 Working with the Mayor of London's air quality team and the four borough local authorities, Barts Health will implement measures to improve local air quality and reduce the health impacts associate with poor air quality.

9.8 Community growing

9.8.1 In order to improve links and support integration with the local communities Barts Health will identify and establish opportunities for delivering community growing spaces, offering opportunities for improved health and wellbeing, social integration, food support, skills development and integration with clinical rehabilitation e.g. people with mental health issues. These initiatives will support our staff, our visitors and our communities, supporting the delivery of some of the core Barts Health values.

9.9 Carbon awareness

9.9.1 As part of our efforts to change environmental behaviours we will engage with our communities in order to raise awareness on issues of carbon reduction and associated health benefits of reducing usage.

9.9.2 All of the above create an increase in demand for our services, increasing building and resource use, cost and carbon. We recognise it is therefore essential to tackle these 'indirect' contributors.



10.0 **Conclusion and recommendations**

- 10.1 It is of a financial, social and environmental imperative that the trust acts to reduce its footprint and increases its influence on the wider community.
- 10.2 By creating the balance between improved social determinants of health within our communities, improved carbon ratings within our built estate, reduced emissions from our procurement activities and improved economic standing from driving efficiency savings the benefits of creating sustainable healthcare systems within the NHS become clear.
- 10.3 It is recommended that the trust board sign up to principles contained within and to the delivery of the Barts Health Sustainability Strategy 2013-2020.





Appendix A

Barts Health Corporate Social Responsibility Statement

Barts Health NHS trust recognises the importance of its Corporate Social Responsibilities (CSR) within its operation, and strives to fully integrate social, economic and environmental concerns into all levels of its business operations. This is reflected in the way we engage and interact with our stakeholders; our employees, our patients, our partners, the general public and the wider communities in which we operate. The Trust considers that its Corporate Social Responsibility is integral to the effective delivery of healthcare excellence.

The trust commits to actively address its own environmental impact through programmes to deliver reductions in its carbon emissions from building energy use, waste, water, procurement and travel and transport activities, as well as supporting programmes to improve knowledge and education on how our employees and partners can act to reduce their impact and become environmental stewards.

The Trust embraces the Good Corporate Citizenship (GCC) Assessment Model, as set out by the Sustainable Development Unit SDU, and will use its influence to reduce health and social inequalities across our health catchment and support the regeneration of disadvantaged areas through employment and training, procurement, community engagement and investment programmes. Our continued commitment is demonstrated through strategic policy, our core vision and values and our operational decisions and engagements.

Barts Health NHS Trust will clearly set out its expectations on the social agenda within its Code of Business Conduct and supporting policies. It further strives to broaden its commitment to the agenda through:

- The development of Environmental Strategies and Ethical Procurement Codes
- The delivery of community focused programmes to reduce fuel poverty, improve air quality and enhance community growing spaces across our boroughs
- The establishment of employment opportunities as well as supporting opportunities for education, skills and knowledge improvements
- Supporting local procurement opportunities, enhancing local economies

The trust is committed to delivering the highest standards of healthcare whilst taking active consideration of the economic, social, environmental and human rights impact of their activities across the world. The Trust fully supports efforts to promote the adoption of minimum labour standards and worker rights throughout its supply chains in line with the principles set out in the International Labour Organisation (ILO) conventions on human and employee rights.

Barts Health will continue to strive to enhance localised social, economic and environmental conditions to have a positive impact on the communities' health.

Signed _____ Barts Health Trust Board