

Annual Sustainability Report 2014/15



Isle of Wight NHS Trust - April 2015



Background

The Isle of Wight NHS Trust is committed to providing high quality healthcare services in an environmentally sustainable manner. Our goal is to reduce our carbon footprint, improve our energy efficiency, cut our water consumption, and minimise the impact caused by the waste that we generate. We have been upgrading our day to day practices, as part of our ongoing responsibilities to patients, the community and the wider environment.

Sustainable Development Management Plan

In January 2014, the Sustainable Development Unit launched their *Sustainable Development Strategy for the NHS, Public Health and Social Care system 2014-2020*. The Trust shares this vision for a sustainable healthcare system. In line with the SDU's recommendations, the Trust has been developing a *Sustainable Development Management Plan* to refine our strategy and progress with the sustainability agenda.

We will be instrumental in bringing about change as we have a central role within the Island's healthcare economy and have the responsibility of being the only Trust in the country to offer integrated acute, community, mental health and ambulance services. As well as introducing the sustainability agenda to the Trust, we are now reaching out to others, to coordinate our efforts.

We agreed with the Isle of Wight Clinical Commissioning Group (CCG) to work together in order to align our strategies and optimise outcomes. As a result our *Sustainable Development Management Plan, titled Greener Care* is a joint Trust – CCG document with a common vision. We believe this is the first joint SDMP in England and Wales. The Isle of Wight was granted Vanguard status in 2015 and a cross organisational SDMP is yet another example of innovative integration taking place in the Isle of Wight healthcare economy. Our *Greener Care* SDMP is due for ratification at the Trust Board beginning of June, and will be widely release to the public mid-June 2015.

Performance and progress

We support the Government's goal of reducing the NHS's carbon footprint by 34% by 2020. This year we are reaching the final stages of procuring a long term strategic partnership for energy (know as an *Energy performance Contract*). This has been a resource intensive process but it will prove to be a long term investment for the Trust, protecting us against the volatility of energy prices. The new arrangements will dramatically lower our carbon emissions and deliver on our reduction target of 30% by 2020 (against a 2012/13 baseline).

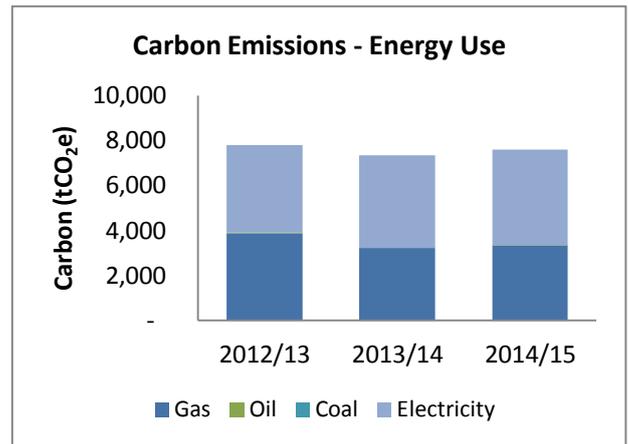
Energy

In line with the recommendation of 2013's Strategic Energy Review, we have made excellent progress towards procuring an Energy Performance Contract for the Trust. We expect to contractually enter into a long term partnership with a delivery partner in autumn 2015. Firm opportunities have been identified which will lead to an energy carbon footprint reduction of 30% or more for the Trust by 2015, delivering a radical overhaul of our energy demand and supply infrastructure.

Key (for all tables)

tCO₂e = tonnes of Carbon Dioxide equivalent

| Resource | | 2012/13 | 2013/14 | 2014/15 |
|--------------------------------|--------------------|-------------|-------------|-------------|
| Gas | Use (kWh) | 19,050,843 | 15,250,631 | 15,968,611 |
| | tCO ₂ e | 3,893 | 3,235 | 3,350 |
| Electricity | Use (kWh) | 8,388,457 | 8,439,184 | 8,246,785 |
| | tCO ₂ e | 3,874 | 4,117 | 4,263 |
| Total Energy CO ₂ e | | 7,801 | 7,358 | 7,619 |
| Total Energy Spend | | £ 1,331,869 | £ 1,361,767 | £ 1,328,781 |



Water

We have a strategic partnership in place for water management with ADSM (Advanced Demand Supply Management). As part of the project, in 2014-15 we worked closely with Southern Water to ensure the Trust water discharges are identified and minimised, including putting into place formal Trade Effluent Consents for a number of our buildings.

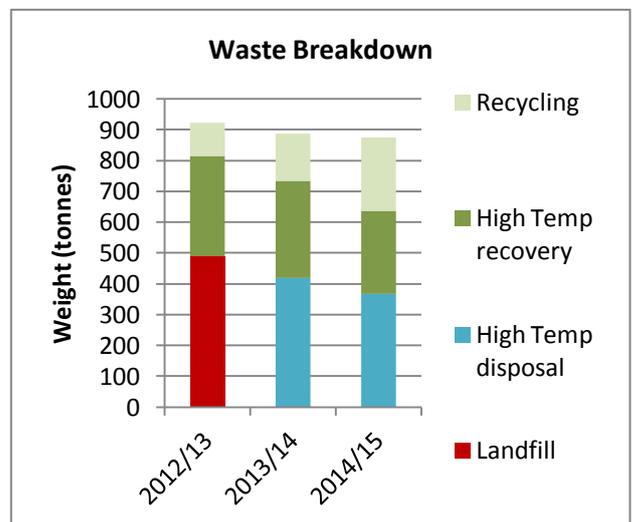
| Water | | 2012/13 | 2013/14 | 2014/15 |
|----------------------|--------------------|-----------|-----------|-----------|
| Mains | m ³ | 90,684 | 88,739 | 93,417 |
| | tCO ₂ e | 83 | 81 | 85 |
| Water & Sewage Spend | | £ 274,736 | £ 278,803 | £ 296,209 |

Waste & Recycling

The Isle of Wight NHS Trust is now recognised nationally as a hub of good practice on waste management. Over the last 2 years we have doubled our domestic waste recycling rate from 18% to 39%. In the meantime we have reduced our expenditure on waste contracts by over 30%. In 2015 the Trust was recognised with:

- Being showcased in a WRAP/DEFRA case study on waste minimisation;
- NHS Sustainability Awards 2015 – Waste Management - **Highly Commended**;
- Zero Waste Awards 2015 – **Winner – Bronze**;
- National Recycling Awards 2015 – **Healthcare Recycler of the Year – Shortlisted** (winner to be announced).

| Waste | | 2012/13 | 2013/14 | 2014/15 |
|--------------------------------|--------------------|---------|---------|---------|
| Recycling | (tonnes) | 108 | 153 | 239 |
| | tCO ₂ e | 2 | 3 | 5 |
| High Temp recovery | (tonnes) | 325 | 314 | 268 |
| | tCO ₂ e | 7 | 7 | 6 |
| High Temp disposal | (tonnes) | 0 | 420 | 368 |
| | tCO ₂ e | 0 | 92 | 81 |
| Landfill | (tonnes) | 489 | 0 | 0 |
| | tCO ₂ e | 120 | 0 | 0 |
| Total Waste (tonnes) | | 925 | 891 | 887 |
| % Domestic Waste Recycled | | 18% | 27% | 39% |
| Total Waste tCO ₂ e | | 128.7 | 102.3 | 91.9 |



Our carbon footprint

Using the Sustainable Development Unit's reporting template, we estimate that the carbon footprint associated with our energy use is 7,619 tCO₂e and our overall carbon footprint for 2014/15, including procurement, is approximately 35,329 tCO₂e.

Our footprint is mainly split between our procurement activities (c78%) and our energy demand (c22%).

Case study – Switch It Off – Saving carbon, saving costs



The Trust is reducing its energy consumption and carbon footprint by encouraging staff, patients and visitors to adopt simple energy saving actions.

An important part of the Trust Energy Strategy is the adoption of good energy behaviours by those using its buildings. Good housekeeping, such as turning off lights and equipment when not in use, or closing doors to avoid draughts, can make a significant difference when replicated across an organisation. Those measures have also been proven to enhance patient experience in a research programme conducted at Barts Health NHS in London. The actions described reducing noise and light levels at night, providing a more comfortable environment for allow patients to sleep. Staff have been actively engaged on those actions through the Trust's Switch It Off campaign. British Gas has kindly supported the initiative as part of their commitment to sustainability.

Thursday 26th March 2015 marked NHS Sustainability Day, which encourages NHS organisations across the UK to take action towards health and care systems which actively reduce their environmental impacts and carbon footprint, in line with the principles of sustainable development. On the day we revealed the winners of our Switch It Off photo competition, and the winning staff received prizes such as high street vouchers and energy savings gizmos, all courtesy of British Gas.

Why Switch It Off also improves patient experience:

Taking those simple actions have been proven to improve patients experience:

- **Turn off equipment when not in use - reduced noise, improved sleep**
- **Switch off Lights where possible - reduced light pollution, improved sleep**
- **Close doors and windows - reduced draughts, improved privacy**

Charles Joly, Waste and Environmental Manager for the Isle of Wight NHS Trust said: "It is really great to see staff from a wide range of wards and departments across the organisation to get involved and support the Switch It Off campaign."

This report front page shows pictures taken by our staff as part of the Switch It Off campaign