

Sustainability Report 2013/14



Isle of Wight NHS Trust - May 2014



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 is in the process of producing 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 work closely with the Isle of Wight Clinical Commissioning Group (CCG) and they agree that there is a need to align our strategies to optimise outcomes. We believe that there is scope for the development of a joint *Sustainable Development Management Plan* with a common vision and clearly defined actions. We also want to review the opportunity to work on this plan in collaboration with the Isle of Wight Council.

Performance and progress

We support the Government's goal of reducing the NHS's carbon footprint by 10% by 2015 (against a 2007 baseline). The information below gives an overview of how we are progressing with our own efforts. This year we have focused on sourcing a long term strategic partnership for energy. This has been a resource intensive process but it will prove to be a long term investment for the Trust. The new arrangements will dramatically lower our carbon emissions and deliver on our reduction target of 30% by 2020 (against a 2012/13 baseline).

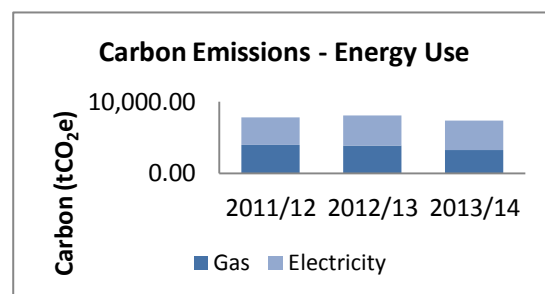
Energy

The carbon emissions related to our energy use have dropped by 6% over the last two years. 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 2014. 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		2011/12	2012/13	2013/14
Gas	Use (kWh)	19,263,762	19,050,843	15,165,872
	tCO ₂ e	3,937	3,893	3,217
Electricity	Use (kWh)	6,920,629	7,318,621	7,359,757
	tCO ₂ e	3,878	4,178	4,121
Total Energy tCO ₂ e		7,886	8,105	7,343
Total Energy Spend		£ 1,420,523	£ 1,684,604	£ 1,311,699



Water

In the last two years our water consumption has reduced by 15%. We have a strategic partnership in place for water management with ADSM (Advanced Demand Supply Management). As part of the project our main water meters have been fitted with automated reads and our consumption profiles are closely monitored to identify leaks and abnormal consumption patterns.

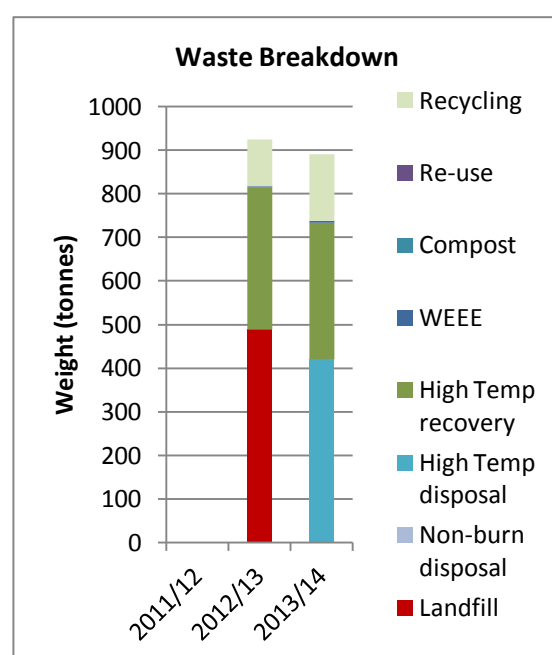
Water		2011/12	2012/13	2013/14
Mains	m ³	105,079	90,684	88,739
	tCO ₂ e	96	83	81
Water & sewage spend		£ -	£ 274,736	£ 278,803

Waste

Last year, our efforts to minimise waste were recognised nationally with the NHS Sustainability Day Award for Best Waste and Recycling Initiative. We are now building on this success and have been extremely pro-active in improving our waste management practices. In 2013/14, 27% of our domestic waste was recycled (this excluded clinical waste). Also we have reached our 'zero-landfill' goal as virtually no waste from the Trust is sent to landfill, with the exception of incinerator bottom ash (from burning clinical waste) and heavy sieved reject (from domestic waste).

The table below shows all waste produced by the Trust, including clinical waste (treated as high temperature recovery) which constitutes 35% of our total waste volume.

Waste		2011/12	2012/13	2013/14
Recycling	(tonnes)	0	108	153
	tCO ₂ e	0	2.26	3.21
Waste electrical & electronic equipment (WEEE)	(tonnes)	0	3	4
	tCO ₂ e	0	0.06	0.08
High temperature recovery	(tonnes)	0	325	314
	tCO ₂ e	0	6.82	6.59
High temperature disposal	(tonnes)	0	0	420
	tCO ₂ e	0	0	8.82
Landfill	(tonnes)	0	489	0
	tCO ₂ e	0	119.5	0
Total waste (tonnes)		0	925	891
% recycled or re-used			12%	17%
Total waste tCO ₂ e		0	128.6	18.7



Our carbon footprint

Using the Sustainable Development Unit's reporting template, we estimate that the carbon footprint associated with our energy use is 7,339 tCO₂e and our overall carbon footprint for 2013/14, including procurement, is approximately 32,738 tCO₂e.

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

Case study - Using white vans to go green

The problem...

Clinical waste is collected from a number of small producers on the Island, which presents logistical challenges. In previous years, several contractors were operating overlapping collection routes across the Island to service community sites for the Trust and other NHS organisations. Their vehicles would travel back and forth across the Solent to deposit relatively small loads at the mainland's treatment facilities. We wanted to reduce costs and carbon emissions without impacting on the quality of service provided.

The solution...

The Trust decided to jointly procure clinical waste management with our partners in the local healthcare economy, streamlining processes into one integrated collection route for all the Island's community clinics, GP surgeries, pharmacies and home patients.

We also took advantage of our licensed clinical waste station at St Mary's Hospital in Newport. This has become a central drop-off point for small loads. A small size collection vehicle, permanently based on the Island, now brings waste from all community producers to St Mary's. This solution was implemented in March 2013 with the appointment of SRCL Ltd.

The result...

Vehicles do not cross the Solent now with small loads. This waste is collected more efficiently at St Mary's and then a heavy goods vehicle delivers the waste in bulk to the mainland, along with the larger volumes produced by the Hospital. Our environmental impact has been greatly reduced.



The white green van: our innovative way to cut carbon emissions