

Compliance Team – Health Records

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FOI REQUEST NUMBER 243 2015

Request:

Would it be possible for you to help me with my studies by providing the following information? I am trying to understand what the public sector is doing to save and generate energy.

Please state what energy efficiency projects you are considering in the next 1 -3 years. By energy efficiency i mean anything from LED lights, to Variable Speed Drives, to Solar, to Biomass. Many thanks for your help.

Response:

Thank you for your recent request under the Freedom of Information Act.

I attach details relating to recent projects the Trust is undertaking, we also have a staff intranet where regular details are updated to keep staff informed.

The Trust's progress is also documented in the Board Reports the public ones are published on the Trust website - Here is a link to the website www.nsft.nhs.uk but more recently in the You Brand Magazine placed in all GP waiting rooms <http://online.fliphtml5.com/hljin/klsv/index.html#p=1>

In addition to the attached and the Board updates the Trust recently has fitted a further three wards with LED lighting and are also saving energy and disposal costs by sending old, unwanted equipment to foreign hospitals and emergency areas dealing with catastrophes.

The Trust provides a complaints procedure to deal with complaints about the Trust's handling of requests for information. If you feel you need to make a complaint, in the first instance, you should contact a Non-Executive Director via the Chair of the Trust. If you feel you have exhausted our internal complaints procedure, you also have the right and may feel you wish to write to the Information Commissioner who can be contacted on telephone number 01625 545740 or at www.ico.gov.uk.

Sustainable healthcare

The Trust is using innovative solutions to improve its environmental sustainability, with real benefits for service users and staff, both now and in the future.

Gill Lee, the Trust's Sustainability Manager said: "Our aim is to reduce the impact that the Trust has on the environment while maintaining an excellent service for our patients. We're committed to reducing CO2 emissions, purchasing energy at cost-effective prices and increasing energy efficiency.

"We take a holistic approach and encourage staff throughout the Trust to think about everything from shutting doors and switching off lights, to disposing of waste carefully. We've introduced Trust wide recycling of paper, card, plastics and metals and we encourage staff to reuse and recycle furniture wherever possible."

56% of the Trust's general waste is recycled and the remainder is sorted at a Material Reclamation Facility (MRF) before being compacted into pellets for use as Refuse Derived Fuel (RDF).

Much of the old electrical equipment used by the Trust, including fans, TVs, fridges and freezers, is refurbished by a specialist company then resold with a warranty at reasonable prices.

Innovative solutions that improve energy efficiency

Sunpipes have been fitted into the roof space at seven Trust sites. These reflective aluminium tubes direct diffused daylight into the rooms below and enhance the working environment.

To increase energy efficiency, photovoltaic panels have been fitted at five Trust sites. They convert solar energy into clean, sustainable electric power which can be sent back to the mains grid if necessary.

Hammerton Court, the Trust's purpose built dementia unit in Norwich, has a BREEAM award for innovation. The building has a sedum roof which helps to keep the building cool in summer and warm in winter. It also uses run-off water from the roof to flush toilets, while pipes that are 200 meters deep draw heat from the earth's crust to provide under floor heating. This cutting edge building attracts visitors who are keen to learn more about its environmental systems.

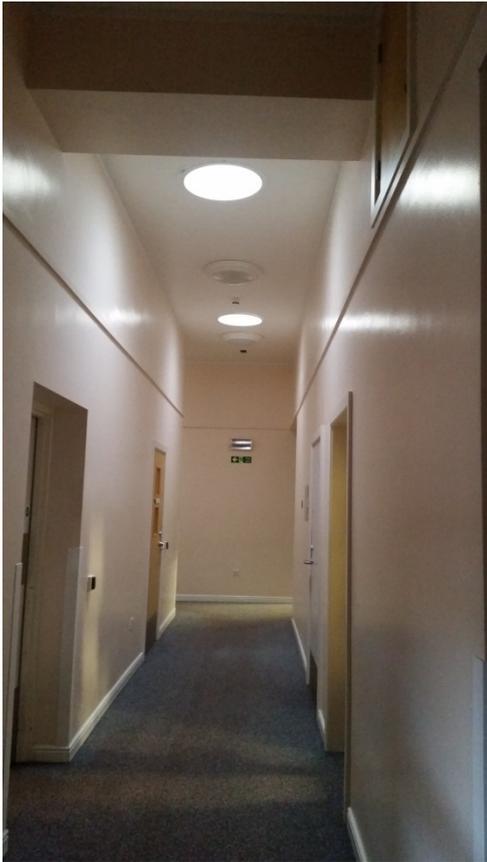
(328 words)

Sustainability Article for YouBrand

- 1) Length of article in words not yet confirmed.
- 2) Distribution figures have been requested.
- 3) The copy deadline will depend on which of the next magazines we can get ready for, they appear to be quarterly and one has just been issued and we have quite a long lead in time.
- 4) The magazine is available in both hardcopy and online.

<http://www.youbrand.net/index.php/contact-us>

- 5) Sites with PV panels:
 - Northgate in Great Yarmouth
 - Carlton Court in Lowestoft
 - Grange Lodge in Ipswich
 - Justin Gardner Helleston Hospital
 - Hammerton Court
- 6) Sites with sunpipes:
 - Chatterton House
 - Carlton Court
 - Northgate Hospital
 - Grange Lodge
 - Hammerton Court
 - Norvic Clinic
 - Woodlands



Sunpipes at Carlton Court in mid winter.



Image of a sun pipe from the side.

- 7) In addition we have a sedum roof and grey water systems at Hammerton Court. The Sedum roof helps keep the building cool in summer and warm in winter. The grey water stored from roof run offs is used in things like toilet flushing and there is also a underfloor heating provided by ground source heat where we draw the heat from the Earth's crust

through 200 meter pipes and this is pumped around underfloor.

- 8) At Ipswich Hospital the company SRCL have an Energy from Waste site (EFW) that incinerates our clinical waste and this process of burning allows the production of steam to heat Ipswich hospital. This fits in neatly with our sustainability programme as we have to incinerate certain medical waste anyway (yellow bagged clinical waste plus sharps and medicines).
- 9) Waste Management:
We recycle 56% of all our general waste and then the residual left over is processed at a site called a dirty material reclamation facility (MRF) where the material is sorted and sifted of recyclates, the matter left is then compacted into pellets that are then used as fuel, these are termed as Refuse Derived Fuel.
- 10) Electronic waste is not accepted in landfill since the law changed in 2007. We use a lot of electronic equipment so all of ours is sent away for refurbishment and resale. This is provided through a specialist company for sensitive equipment but more general items such as fridges and TVs go to a community charity.
- 11) Other items such as plasterboard, metals and hazardous wastes are sent to specialist companies who can recycle these products and make them safe.
- 12) We are responsible for monitoring the energy and water usage on all 55 NSFT properties with regular meetings with the service providers. We also procure our energy through a government run organisation that helps us keep our costs as low as possible and optimise our NHS budgets. We run campaigns to advise staff on how to save energy throughout the year.

- 13) We have an effective management systems in place for reuse of furniture rather than accepting new purchase when we have adequate replacements in our furniture store/workshop. This fall neatly into our sustainability ethos and encourages staff not to think about reuse.
- 14) We have our own sustainability webpages on the intranet and this links to other sites especially travel options, salary sacrifice cycle options and liftshare sites.

Sustainable healthcare

As the largest public sector contributor of carbon emissions, the NHS is committed to achieving carbon reduction targets of at least 80% by 2050. Addressing the challenge of climate change and improving environmental sustainability has huge benefits for the health and well being of patients, staff and local communities, both now and in the future.

The Norfolk and Suffolk NHS Foundation Trust is using a range of innovative solutions to improve its environmental sustainability and support mental health services across the two counties.

Gill Lee, the Trust's Sustainability Manager said: "Our aim is to reduce the impact that the Trust has on the environment while maintaining an excellent service for our service users."

"Over 43% of our buildings were built before the NHS was created in 1948, creating specific heating and lighting challenges. Simple measures, such as replacing windows and attending to general maintenance, have enabled us to improve energy efficiency and enhance the environment for our workforce and service users.

"We monitor the energy and water usage of our properties and hold regular meetings with service providers. A government run procurement service negotiates the best long term energy deals on our behalf.

"We work closely with the Sustainability Development Unit and actively benchmark our activity with similar organisations. Our ERIC returns show that we compare favourably with similar Trusts.

"We take a holistic approach and encourage staff throughout the Trust to think about everything from shutting doors and switching off lights, to disposing of waste carefully.

"65% of the NHS's budget is for procurement of all types. We have to consider the wider impact that the manufacture of these items has on the environment and the health of our patients. This includes packaging, manufacture, materials used, processes, lifecycle and disposal. We've

introduced Trust wide recycling of paper, card, plastics and metals and encourage staff to reuse and recycle furniture wherever possible.”

The Trust uses innovative solutions to reduce CO2 emissions and improve energy efficiency:

Sunpipes

Sunpipes are used to ‘pipe’ natural light into buildings. These reflective aluminium tubes are fitted into the roof space and direct diffused daylight into the rooms below.

Photovoltaic panels

The Trust has installed photovoltaic panels at five of its sites. The panels convert solar energy into clean, sustainable electric power which can be sent back to the mains grid if necessary.

Energy from Waste

All the Trust’s clinical waste is sent to an Energy from Waste plant to produce steam to heat the acute hospital in Ipswich, including a unit run by the Trust.

Converting general waste into Refuse Derived Fuel

The Trust recycles 56% of its general waste which leaves 46% of residual waste. This is taken to a Material Reclamation Facility (MRF) where any recyclates that have accidentally been placed in the waste are sorted and separated for recycling. The remainder is compacted into pellets for use as Refuse Derived Fuel (RDF).

Refurbishing electrical equipment

Much of the electrical equipment used by the Trust, including fans, TVs, fridges and freezers, is taken by a specialist company who refurbishes the items and sends them with a warranty for resale at reasonable prices. Computers are dealt with separately to comply with security issues.

Recycling furniture

The Trust encourages staff to use items from the recycled furniture store, rather than purchasing anything new, which helps to preserve budget allocations.

Sedum roof and ground source heat pumps

The Trust's purpose built dementia unit in Norwich has a BREEAM award for innovation. The building has a sedum roof which helps to keep the building cool in summer and warm in winter. It also uses run-off water from the roof to flush toilets, while pipes that are 200 meters deep draw heat from the earth's crust to provide under floor heating. This cutting edge building attracts visitors who are keen to learn more about its environmental systems.

(639 words)