



Organisation	Guy's and St Thomas' NHS Foundation Trust
Category	Water
Please detail your project below	<p>Guy's and St Thomas' NHS Foundation Trust has saved nearly 20% of its water consumption, a value of over £120k per annum, through a partnership with water management experts ADSM. The programme utilises AquaFund, a grant scheme that provides all finance and resources to achieve water efficiencies and financial savings by engaging engineering, maintenance and clinical staff to reduce water use. The savings achieved are split between the Trust and the fund with a proportion of the money donated to WaterAid each year on the Trust's behalf. As a result, the Trust commits no capital outlay for the work which includes:</p> <ul style="list-style-type: none"> • Installation of automated meter reading (AMR) – You can't manage what you can't measure • In-depth surveys – providing technical, financial, operational and environmental evaluations • Installation of state-of-the-art water saving technologies • Full water bureau service and bill validation • Monthly monitoring and targeting reports for in-depth analysis and visibility on water usage with tangible improvements • Investigation and rectification of water consumption anomalies and overconsumption issues • Identification and repair of leaks and improvements to the water distribution system • Review of tariffs and permits for supply and wastewater - requesting refunds and tariff changes where applicable • Reprogramming and calibrating equipment; i.e. reprogramming electronic sensor taps - reducing water use by 75% in those areas
How has your project improved sustainable development within your organisation or community setting?	<p>The Trust spends about £850,000 on water a year and uses enough to provide the daily drinking water of over 200,000 people. Furthermore, London receives less rainfall than Madrid, Rome and Istanbul, and water is a resource we pay twice for; once when the tap is turned on and again when it goes down the drain to be treated. With the financial pressures NHS organisations face, improving water efficiency is not confined to environmental responsibility, but a strategic priority.</p> <p>If no action had been taken, the Trust's water consumption would have increased by more than 80 million litres; a 16% increase on the previous year, due to increased services and demand. Through this programme's interventions, our water consumption for 2014/15 will be roughly the same as last year. Furthermore, despite typical rate increases of over 4% in 2014, our total are on track to reduce by 10% in 2014/15 through improving efficiency on the more expensive meters and optimising tariffs and standing charges. Over the remainder of the partnership, we are predicting a 20% year-on-year reduction in water consumption.</p> <p>Additionally, Guy's and St Thomas' has renewed infrastructure, ensured the viability and increased the longevity of buildings, and is in a far more favourable position for the imminent deregulation of the water supply market.</p>



Furthermore we will witness a reduction in energy use and carbon emissions as water is not heated or pumped unnecessarily –The target CO2e saving is estimated at 421 tonnes by the end of the agreement.

With some of the savings going to WaterAid, the project has so far assisted over 85,000 people in Tanzania out of water poverty. Through the 2014-15 project, the Trust is helping to provide safe water and sanitation to some of the world’s poorest people in Nepal.

Guy’s and St Thomas’ NHS Foundation Trust believes that the best healthcare runs efficiently, uses resources wisely, fosters healthy living and provides patients with the best possible care.

What role does sustainable development play within patient and staff services within your organisation?

Our Trust puts sustainability at the core of its purpose, and has not only integrated energy and carbon management into its estate, transport and procurement services, but also prioritises the importance of engaging people to make sustainability relevant to everyone.

Our sustainability programme aims to continue to improve staff and patient engagement, and to deliver further savings through this insight. We aim to have over 75% of departments represented by Local Environmental Representatives (LERs) by the end of 2015 (currently at 46%), and will continue our efforts to engage with our community around environmental management.

Who has led the way on sustainable development within your organisation?

Water efficiency is a key pillar of our Board approved, award winning, Sustainability Strategy, and is overseen by the Trust’s Sustainability Governance Group, a sub-committee of the Trust Management Executive, and chaired by Sir Hugh Taylor, Trust Chairman. The sustainability programme is led by Alexandra Hammond, Associate Director, Sustainability and by William Holden, Sustainability Support Officer, with the vital help of our many local environment representatives (LERs).

First Image

<http://nhssustainabilityawards.co.uk/wp-content/uploads/formidable/Before-and-after-pipework-renewal.jpg>