

Report to:	Public Board of Directors	Agenda item:	12
Date of Meeting:	26 July 2017		

Title of Report:	Estates & Facilities Sustainability Report – Quarter 1
Status:	For noting
Board Sponsor:	James Scott, Chief Executive
Author:	Howard Jones, Strategic Estates Advisor / Estates Compliance & Sustainability Lead
Appendices	None

1. Executive Summary of the Report
Update on estate capital projects and energy/sustainability items for the Management Board and Board of Directors

2. Recommendations (Note, Approve, Discuss)
For noting

3. Legal / Regulatory Implications
Linked to the sustainability chapter in the Trust's Annual Report.

4. Risk (Threats or opportunities, link to a risk on the Risk Register, Board Assurance Framework etc.)
Links to the trust Risk Register

5. Resources Implications (Financial / staffing)
Secured within the capital programme for this financial year

6. Equality and Diversity
All activities within the E&F Directorate are subject to the requirements of the Equality Act 2010.

7. References to previous reports
Estates & sustainability report for FY 2016/17, quarter 4

8. Freedom of Information
Public

Estates & Sustainability Report – Quarter 1

1. Capital development

The estate capital projects for FY 2016/17 were completed apart from those that were phased over two financial years, within last year's programme a significant number of estate risks were addressed and removed from the Register. Within the first quarter of 2017/18, the following capital projects are live:

1. A fee bid has been received from IBI Architects to design out the Dyson Cancer Centre to a 1:50 floorplan, which if approved following a single waiver application, will ensure that we are ready to proceed at a pace following the commissioning of the RNHRD & Therapies Centre.
2. Three turnkey providers have visited site in order to provide a competitive quotation for the replacement cardiac monoplane radiology unit (Cath Lab).
3. The demolition of the old pharmacy is underway thus providing the ground for the construction of the new RNHRD & Therapies Centre which is now fully designed. The Guaranteed Maximum Price (GMP) from Kier SW for this project will be available for our challenge on the 12th July. It is possible that further value engineering may be needed to meet the financial envelope available. We have dealt with a number of planning enquiries but still expect to get a determination from B&NES at the end of July/beginning of August.
4. Construction works have commenced on the initial phases of the Radiology department re-ordering/upgrading. We have commissioned external engineers to report on the electrical infrastructure required to support the replacement diagnostic modalities as new equipment has a greater power requirement than the existing. The cost risk of this has been noted but not yet confirmed.
5. Work to construct a new fire exit route for RUH South is progressing well but the construction of the multi-faith centre and northern fire escape has been delayed by a month due to the discovery of asbestos fragments in the sub-soil. The contract is now back on track but is not on a critical path.
6. A contract has been awarded to a local architect to design out an extension to the Bernard Ireland House to create a new RNHRD Pain Centre. This follows detailed discussions with users and the examination of options for this facility.
7. Capital projects that form the Estate Maintenance Programme for the year have commenced and are funded on the basis of risk analysis across the whole compliance agenda.

2. Sustainability

During 2016/17, CO2 emissions at the RUH fell by 5%, meaning that to date, against the 2013 baseline year for our 2020 28% target, the Trust has achieved a 14% reduction in

Author : Howard Jones, Strategic Estates Advisor	Date: 20 July 2017
Document Approved by: Sarah Truelove, Deputy Chief Executive & Director of Finance	Version: 1
Agenda Item: 12	Page 2 of 4

emissions. This leaves an 18% saving to be achieved between now and 2020, representing a further saving of £333k per annum at 2016/17 prices.

New sustainability targets for 2017/18 were set as part of the annual budget setting process, and work towards them has commenced with a number of pilot projects and feasibility assessments being undertaken for a range of projects.

2.1 Team news

Gareth Veal, Compliance and Sustainability Manager, successfully passed his C.Eng. (Chartered Engineer) application with the Energy Institute. This C.Eng. Certification allows us to have the expert engineering knowledge required to appraise energy saving options for the Trust.

Hayley Williams, our 'Estates Compliance and Sustainability Project Leader' has recently completed her submission to apply for 'Chartered Energy Manager' status, and has been invited to interview.

Nicky Baker commenced her new role as 'Waste and Recycling Manager' and has started to undertake a Scottish Higher in Healthcare Waste Management which is the highest qualification available for healthcare waste management.

Paul Foden joined the Environment Portering Team as the supervisor and will be working with Nicky Baker to develop the systems that will support ISO 9001 accreditation of our waste management system.

Jess White has joined the team as 'Estates Quality Manager' to drive forward the development of the ISO 9001 system for the Estates team. Within the first couple of months she is undertaking the relevant BSI and PRINCE2 training to ensure she is equipped to work with the whole team to develop the required systems.

2.2 Energy

A range of projects are currently being considered, and pilot projects being undertaken. For example, AHU energy efficient filters, boilerhouse steam surveys and steam traps, voltage optimisation and air curtains for the main thoroughfares.

CHP Optimisation: We have continued work to ensure the Trust is maximising the benefits of the CHP with revised standard operating procedures. A feasibility study is underway for extending the heat network to ensure the Trust is utilising all of the heat from the CHP. This should bring a saving to the Trust, and has the added benefit of safeguarding the Climate Change Levy discount (approx. £150k per annum) the Trust currently receives through being certified as 'Good Quality CHP' from the CHPQA scheme.

Author : Howard Jones, Strategic Estates Advisor	Date: 20 July 2017
Document Approved by: Sarah Truelove, Deputy Chief Executive & Director of Finance	Version: 1
Agenda Item: 12	Page 3 of 4

Lighting: retrofitting of LED lighting is being undertaken in the remaining engineering plantrooms.

2.3 Water

Our leak busting campaign achieved a 20% reduction in 2016/17 in absolute water consumption, equating to £70k when taking into account the cost increases in 2016/17. This built on the 1% reduction during 2015/16. We announced the launch of a 'leak busting' campaign in the 2014/15 annual report in response to annual increases in water consumption of 18% in 2013/14 and 7% in 2014/15.

This work on water savings resulted in us being Highly Commended in the category of Water at the National 2017 NHS Sustainability Awards.

The procurement of our water services are currently under review as the retail element of the market opened up in April 2017. All options are being considered, including the option of becoming a self-supplier.

2.4 Travel

A job description and business case has been developed as a QIPP proposal for a self-funding post of 'Sustainable Travel Planner'; this has been submitted for approval.

2.5 Waste

The black bag, recycling and confidential waste destruction tender has concluded (contract value of £150k in 2015/16), and new contracts are in place. This should provide an annual saving of £30k. The savings are a result from efforts to design the tender specification in a 'price friendly' format via support from the procurement team and via advice from our 'Authorising Engineer' for waste.

With the appointment of a Waste 'Authorising Engineer' going forward the team have the support and technical advice to further develop the systems and projects in relation to waste.