**FOI Ref: 6169**

**Category(ies): Trust - Estates and Facilities/Security**

**Subject: Green Measures**

**Date Received: 23/12/2021**

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| **Your request:** | **Our response:** |
| **We would appreciate if your response to these questions is completed using the Excel document attached.** |
| Does your Trust measure its total carbon footprint?  If yes, what is the carbon footprint of your Trust? (Please provide in tCO2e and specify the date of measurement)   | Yes, on an annual basis.The last measurement was completed up to end of March 2021 and was 8,937 tonnes CO2e. This includes building energy use, water supply and sewage disposal, waste recycling and disposal and staff travel. Procurement and Patient transport data is not included due to lack of data available |
| What steps has your Trust taken towards meeting the Greener NHS target of Net Zero by 2045?  | TRFT has included a whole raft of energy reducing measures in the recent Energy Performance Contract focusing on replacement of old plant and equipment and Demand Reduction measures including:* Replacing >7,100 fluorescent light fittings with LED options c/w Smart controls where possible
* Replacement of 7x aged LTHW boilers with 3x ultra efficient modern versions
* Replacement of 2x aged steam raising boilers with modern energy efficient versions
* Replacement of a failing CHP engine with a new more efficient model, making better use of waste heat recovery and improved on-site generation
* Installation of a 500 kW BESS (Battery Energy Storage System) which will involve responding to the National Grid when called and importing less energy
* A major insulation program in plant rooms and service ducts to reduce heat loss
* Removal of 16x independent chiller plants around site and replacement by 3x new chillers and an absorption chiller, with a rooftop ring main providing optimum point of delivery
* Upgrades to the BEMS and installation of additional heating controls at ward and departmental level

The above measures are calculated to reduce CO2 emissions by circa 2,500 tonnes (around 29%) |
| What percentage of your Trust energy consumption comes from fossil fuels?  | TRFT has been contracted onto a “100% Renewable for Business” contract with its supplier since April 2020 and this supply is supported by REGOs |
| What steps is your Trust taking to reduce its fossil fuel consumption?  | As per point 2 above TRFT has just commenced a 20-year Energy Performance Contract with a partner that has involved swapping out 7x old LTHW boilers with 3x modern energy efficient alternatives. An old failing CHP plant has been replaced with a modern more efficient model.TRFT is also in the process of accessing a grant from the PSDS (Phase 3) which will allow it to de-commission old and energy inefficient boilers in site outbuildings and replace them with a heat pump and a mini district heating network. All this is part of TRFTs heat de-carbonisation strategy and will be including in the upcoming Decarbonisation Plan |
| How many vehicles are in your Trust’s fleet?  | TRFT no longer has a fleet, but just 1 car that is used by staff to move between sites as and when required, and travels a maximum of 2,000 miles pa |
| How many of your Trust’s fleet uses?  1. Petrol/Diesel
2. Hybrid
3. Electric
 | As per the above, this vehicle is fueled by diesel |
| Does your Trust have a policy on reducing the use of single-use plastics (including for clinical and/or non-clinical items)?  If yes, please provide details of this policy and the reduction achieved to date.   | TRFT has signed up to the Plastic Pledge and is working with Procurement throughout all departments (clinical and non-clinical) with the aim of reducing single use plastics. There is no policy in place at this time and no reduction data available |
| Has your Trust received funding to spend specifically on sustainability and decarbonisation? If yes, please provide details on how much and over what time period.   | As mentioned in Point 4 TRFT has submitted a bid for funding from the PSDS and will aim to carry out the work detailed above |
| How much has your Trust spent in 2021 (including specific funding received and any other expenditure) on activities related to sustainability and decarbonisation?  | £11 million |