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Case Study

NHS Blood and Transplant

Client: NHS Blood and Transplant (NHS BT)

Services provided: Net Zero Gap Analysis, Roadmap and Strategy

Industry: Public healthcare

Benefits achieved: The report delivered a clear, tailored Net Zero plan that will provide the framework for NHS BT's own journey to reach Net Zero in line with the NHS's national plan.

Summary

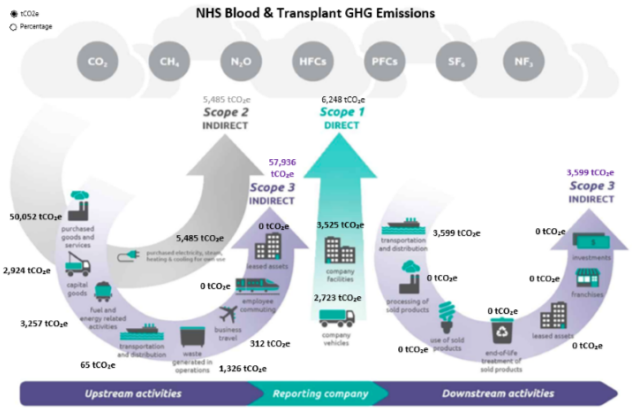
NHS BT was seeking assistance in the development of a Net Zero strategy that would enable it to meet the objectives of the NHS's Long-Term Plan outlined in the document 'Delivering a Net Zero National Health Service' which sets out the direction, scale and pace of change required for the NHS to be the first Net Zero health service globally.

The Green Consultancy (TGC, a wholly owned subsidiary of JRP Solutions) worked with NHS BT to develop a Programme Charter which agreed the critical success factors, timeframes, targets, roles and responsibilities for achieving Net Zero.

Using the Programme Charter as point of reference throughout, we completed a Net Zero Gap Analysis to identify the key improvements and opportunities, establishing NHS BT's emissions boundaries and data inventory.

This provided the basis for jointly developing the Net Zero Roadmap and strategy.

We established NHS BT's updated greenhouse gas (GHG) emissions footprint for its new Base Reporting Year 2020/211 as 72,991 tonnes CO_2e. This was broken down into the sources or scopes of emissions aligned to NHS goals for Net Zero, presented using the Greenhouse Gas Protocol's scope 1, 2 and 3 graphic:

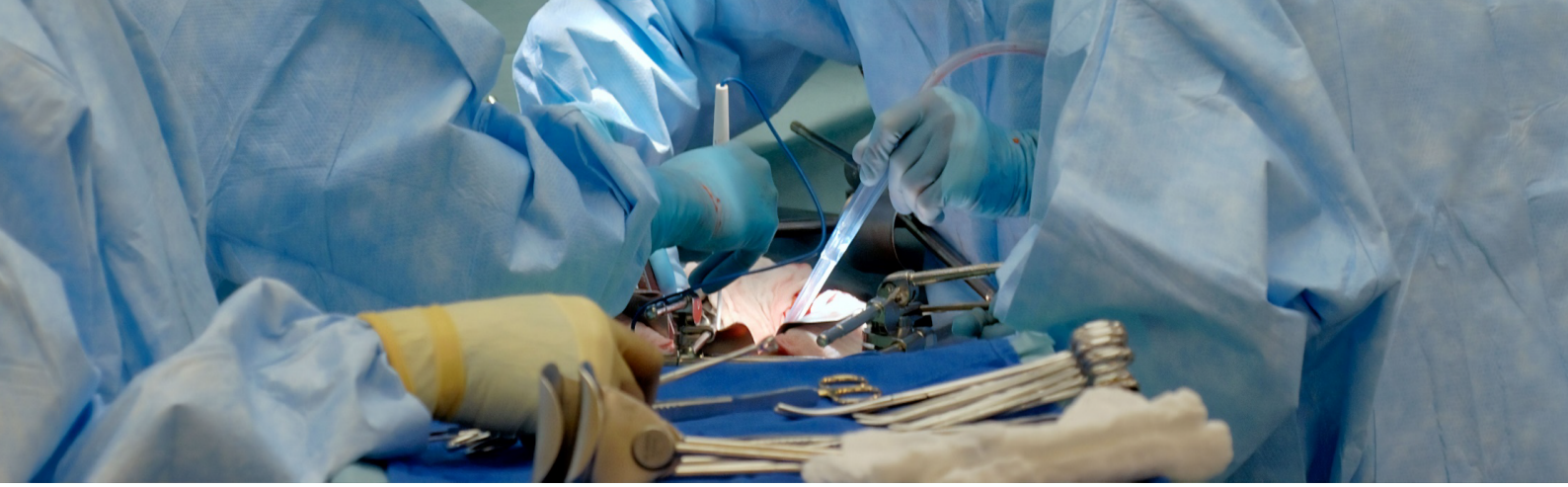


TGC undertook a number of site energy audits and a governance review which revealed that NHS BT's efforts in reducing its GHG footprint had been effective to date but that their approach required broadening out to address embodied emissions sources. The NHS BT's current Environmental Management System (EMS) set-up provides an excellent framework for the service's enhanced emissions reduction strategy for achieving Net Zero, together with the Programme Charter created for NHS BT.

The energy audits resulted in a range of recommendations for improving energy efficiency on sites to reduce the service's scope 1 and 2 emissions.

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Results

The gap analysis review revealed that 84% of NHS BT's GHG emissions come from its supply chain, with 41 priority suppliers being responsible for 80% of these emissions**.**



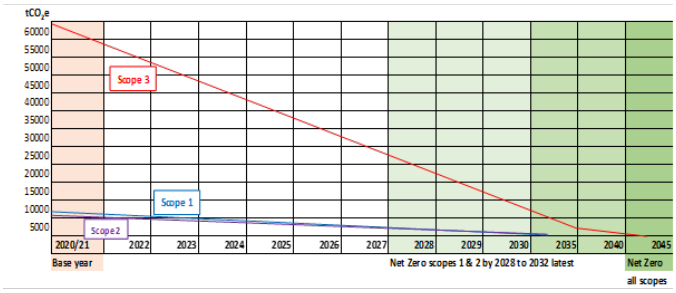
TGC's recommendations include that on-site measures to improve energy efficiency should be progressed within NHS BT's EMS continuous performance improvement process.

The main effort in emissions reduction, however, required urgent engagement with NHS BT's 41 priority suppliers to establish what each is doing to reduce their own emissions footprint. Agreeing how to share this information to improve annual emissions reporting along the 'chain of custody' will enable NHS BT to:

- reduce its emissions to meet the NHS targets
- increase the carbon efficiency and cost-effectiveness of the NHS BT's services to the NHS

A prioritised strategy and action plan was developed for NHSBT, to align with the NHS overall strategy, which focussed on prioritised action plan recommendations including:

- Supplier engagement for improved annual reporting and collaboration towards Net Zero
- Improving material/resource efficiencies through enhanced procurement procedures
- Built asset CAPEX using low embodied materials and design approach
- Scope 1 direct emissions reduction by improving F gas monitoring and reporting, and improved liquid nitrogen management
- Fleet decarbonisation
- Scope 2 operational electricity usage improvements.
- Improving cooling, ventilation and refrigeration. lighting and related systems
- Investment in solar PV & other renewables



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For more information about developing a Net Zero plan for your organisation, call 0800 6127 567 or email info@jrpsolutions.com.

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