

Reference:	FOI.2236.20
Subject:	Carbon footprint and sustainability
Date of Request:	2 January 2020

Requested:

1. Does your health board measure its total carbon footprint? If so, what is it? Please provide in tCO₂e and specify the date of measurement.
2. If your health board has measured its total carbon footprint previously, what was it in:
 - 2015-16
 - 2016-17
 - 2017-18
 - 2018-19

Please provide in tCO₂e.
3. How many full-time equivalent (FTE) staff are employed by your health board?
4. Does your health board have any targets for reducing carbon emissions? If so, please outline.
5. What percentage of your health board energy consumption comes from fossil fuels?
6. Is your health board taking any steps to reduce its energy consumption from fossil fuels? If so, please outline these steps.
7. What percentage of your health board's vehicle fleet uses:
 - Petrol or diesel vehicles
 - Hybrid vehicles
 - Electric vehicles
8. Does your health board have a policy on reducing the use of single-use plastics (including for clinical and/or non-clinical items)? If so, please provide this policy.

Has your health board received any funding to spend specifically on sustainability? If so, please provide the details.

Response:

1. Hywel Dda University Health Board (UHB) confirms a carbon footprint exercise was undertaken across NHS Wales for the period 2016/17. The UHB's total carbon footprint was estimated at 73,318.5 tCO₂e for 2016/17.
2. The UHB carbon footprint was only measured in 2016/17. However, the UHB has calculated a current estimate of 73,318.5 tCO₂e; an updated carbon footprint exercise is due to be completed in 2020/21.
3. The UHB's whole time equivalent (WTE) employed staff as at 20 January 2020 was 8,608.18.

4. The UHB previously targeted the Welsh Government 2020 carbon reduction targets. The UHB is currently in the process of developing a decarbonisation strategy that will include targets aligned to Welsh Government aspirations for the public sector to be carbon neutral by 2030.
5. The table below provides the UHB's energy consumption from fossil fuels, including laundry, for the financial year 2018/19:

Fossil Fuel	Consumption KWhrs
Electricity	17,817,328
Gas	56,145,338
Oil	13,857,567
Bio	5,354,125

Using the latest 2019 Department of Environment Food and Rural Affairs (DEFRA) UK greenhouse gas (GHG) conversion factors for company reporting, the UHB's total emissions was 18,905 tCO₂ of which 73.42% resulted from burning fossil fuels.

The UHB confirms steps are being taken to reduce its energy consumption from fossil fuels. All Electricity purchased under the current contract is Green Energy i.e. sourced from renewables. The UHB is looking to access funding from Welsh Government to deliver a range of renewable and carbon reduction projects on a number of existing assets e.g. roof mounted photovoltaic (PV) panels, LED lighting and heating controls. The UHB also considers a range of renewable and low carbon technologies for all new capital schemes and where feasible, these are implemented as part of our Building Research Establishment Environmental Assessment Method (BREEAM) and community benefit requirements. The UHB is also looking to address decarbonising the heat network by way of ground source, air source and PV panel technologies.

7. The UHB confirms 100% of its fleet are petrol or diesel vehicles. 21% of the UHB's carbon footprint, as reported in 2016/17, is related to transport (15,397 tco₂e). The UHB is in the process of developing a decarbonisation strategy to include transport and travel, aligned to Welsh Government aspirations for the public sector to be carbon neutral by 2030.
8. The UHB has no current policies on reducing the use of single-use plastics. However, 46% of the carbon footprint as reported in 2016/17 is related to the Procurement of goods (35,926 tco₂e) and will be reviewed as part of the decarbonisation strategy.

The UHB follows the All Wales targets and has attached the NHS Wales Shared Services Partnerships (NWSSP) Sustainability Objectives 2019/20 and NWSSP's Environmental Factsheet for your information.

9. The UHB currently has no specific budget for sustainability. However, funding is applied in the delivery of specific schemes and projects, where it can be demonstrated that the scheme can deliver carbon reduction benefits. An example of this within the UHB is the development of the proposed Health and Wellbeing Centre at Cross Hands. A project design team has been asked to be innovative and deliver a decarbonisation solution proposal which will deliver a best practice model for a Healthcare type building.

A case has been presented at Outline Business Case stage to seek approval to secure strategically targeted investment that focuses on delivering the best low carbon and energy design through innovative technologies and building solutions. The intention is to deliver a best practice model that supports future health care design across the NHS and the wider public sector estate, including any proposed development plans in the Health Board's future.

Additionally, an application is being prepared for a spend to save investment scheme, which the UHB will utilise to deliver a range of renewable and carbon reduction measures over the next two years on existing assets.