

## Barnsley Facilities Services Limited

### Directors' report (continued) for the year ended 31 March 2021

### Streamlined Energy and Carbon Report 2020/21

This report satisfies the requirement of The Companies (Directors' Report) and Limited Liability Partnerships (Energy and Carbon Report) Regulations 2018 requiring companies to measure and report greenhouse gas emissions.

#### Organisational boundary and scope of report

An 'operational control' approach has been used to define the greenhouse gas emissions boundary. This approach captures energy and water emissions associated with the operation of all of our buildings for reporting period 1 April 2020 – 31 March 2021.

**Scope 1 emissions (direct):** from activities owned or controlled by the company.

**Scope 2 emissions (indirect):** from energy use, but occur at sources not owned or controlled by the company.

**Scope 3 emissions (other indirect):** as a consequence of our activities from sources controlled by the company

We have measured our emissions for scopes 1, 2 and 3 covering the following areas:

Emissions source <sup>1</sup>	Scope	Reported (yes / no)
Natural gas (combustion & from well-to-tank)	1, 3	Yes
Grid electricity (purchased electricity, transmission and distribution & well- to-tank)	2, 3	Yes
Fuel oil (boilers and back-up generators)	1, 3	Yes
Transport <sup>2</sup>	3	No
Water & waste water	3	Yes

#### Notes

1. In future years as data quality and availability improves we propose to expand the scopes to cover other emissions sources across our estate and operations.
2. The Trust operates one electric van with the emissions accounted for by our electricity reporting.

#### Approach

The data was collected and reported in line with the methodology set out in the UK Government's Environmental Reporting Guidelines 2019. Emissions have been calculated using the 2019/20 & 2020/21 conversion factors provided by the Department of Business, Energy and Industrial Strategy (BEIS).

#### Utilities and emissions

We have measured our total utilities use and emissions for scope 1, 2 and 3 covering the areas outlined in the organisational boundary.

Energy consumption	Metric	2020/21	2019/20
Natural gas	kWh	40,501,927	41,061,195
Grid electricity	kWh	1,980,680	1,700,074
Fuel oil	kWh	66,000	104,500
<b>Total (kWh's)</b>		<b>42,548,607</b>	42,865,769
Water	m3	118,474	141,177

## Barnsley Facilities Services Limited

Directors' report (continued)  
for the year ended 31 March 2021

### Streamlined Energy and Carbon Report 2020/21 (continued)

GHG emissions (tCO <sub>2</sub> e)		
	2020/21	2019/20
<b>Scope 1</b>		
Natural gas	7,447	7,549
Fuel oil	18	28
<b>Scope 2</b>		
Grid electricity	462	435
<b>Scope 3</b>		
Well-to-tank (gas)	968	982
Well-to-tank (fuel oil)	3	5
Transmission & distribution, well-to-tank of electricity	109	103
Water <sup>1</sup>	41	49
Waste water	67	80
<b>Total gross emissions (all scopes)</b>	<b>9,115</b>	<b>9,230</b>
<b>Intensity measurement (tCO<sub>2</sub>e per m<sup>2</sup>)<sup>2</sup></b>	<b>0.13868</b>	<b>0.14071</b>

#### Notes

1. Emissions for water and wastewater have now been included for financial years 2019/20 and 2020/21.
2. Electricity carbon emissions for 2019/20 have been adjusted.
3. We have selected to use tCO<sub>2</sub>e emissions per m<sup>2</sup> for floor area to measure our carbon intensity. The floor area is taken from the Total Useful Floor Area (TUFA) from our Display Energy Certificate for each year.

#### Energy efficiency initiatives

The company's greenhouse gas emissions for 2020/21 equated to 9,115 tCO<sub>2</sub>e with a carbon intensity of 0.13868 tCO<sub>2</sub>e per square meter. The overall emissions fell by 115 tCO<sub>2</sub>e against the previous year. During the year the company completed phase 2 of a £1m LED lighting scheme to replace existing lighting with new state of the art LED lighting incorporating motion sensing and daylight harvesting as well as redeveloping our Emergency Department and Children's Assessment Unit including installing new heating, ventilation and lighting. In September our Combined Heat and Power (CHP) plant achieved 60,000 operating hours and was replaced with a new engine which will minimise future downtime and increase operating efficiency.

#### Disclosure of information to auditor

Each of the persons who is a director at the date of approval of this report confirms that:

- so far as the director is aware, there is no relevant audit information of which the company's auditor is unaware; and
- the director has taken all the steps that he/she ought to have taken as a director in order to make himself/herself aware of any relevant audit information and to establish that the company's auditor is aware of that information.

#### Independent auditors

KPMG were appointed as auditors for the company during the year.

This report was approved by the Board and signed on its behalf by

*Lorraine Christopher*

Mrs Lorraine Christopher  
Director  
Date 19th October 2021