



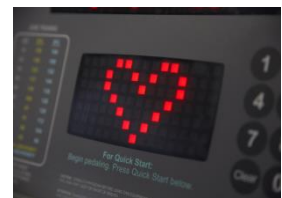
**BTHT
MISSION TO
NET ZERO**



Bradford Teaching Hospitals
NHS Foundation Trust

Progress report on the implementation of the Trust's Green Plan

20th January 2022



Together, putting patients first

Introduction

- This report provides an update on how the Trust is performing against the Board approved [green plan](#) as well as progress in achieving the NHS net zero carbon emission commitments
- It is very pleasing to see the progress achieved and how well the Trust is performing against its peers. A range of improvements made over the past year show the Trust's commitment to improving sustainability
- The Covid pandemic has challenged the Trust in many ways, but the Trust has continued to reduce its carbon footprint and completed many positive actions, some of which are highlighted in this report

Governance

- The Trust approved its first Green Plan in Jan 2020
- Since then a governance structure has been implemented to help the Trust achieve its ambitions to become net zero
- BTHFT's Green Plan Implementation Group (GPIG) and its sub-groups have developed and begun monitoring progress against a series of work plans
- The sub-groups focus on Utilities; Travel & Transport; Waste Management; and Procurement.
- A Green Plan Support Tool is due from NHSE in 2022, to help NHS Trusts become sustainable. The Trust is required to produce an updated Green Plan in 2023.

NHS net zero targets

Bradford Teaching Hospitals
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- NHS organisations are required to be net zero:
 - **by 2040 for carbon emissions** for areas they can control (electricity, water and waste), with an interim target of 80% reduction in carbon emissions by 2032 and
 - **by 2045 for areas they can influence** (how suppliers deliver their goods and services through to how patients, visitors and employees travel to the healthcare facilities) with an interim target of 80% reduction in carbon emissions by 2039.

Achievement to date

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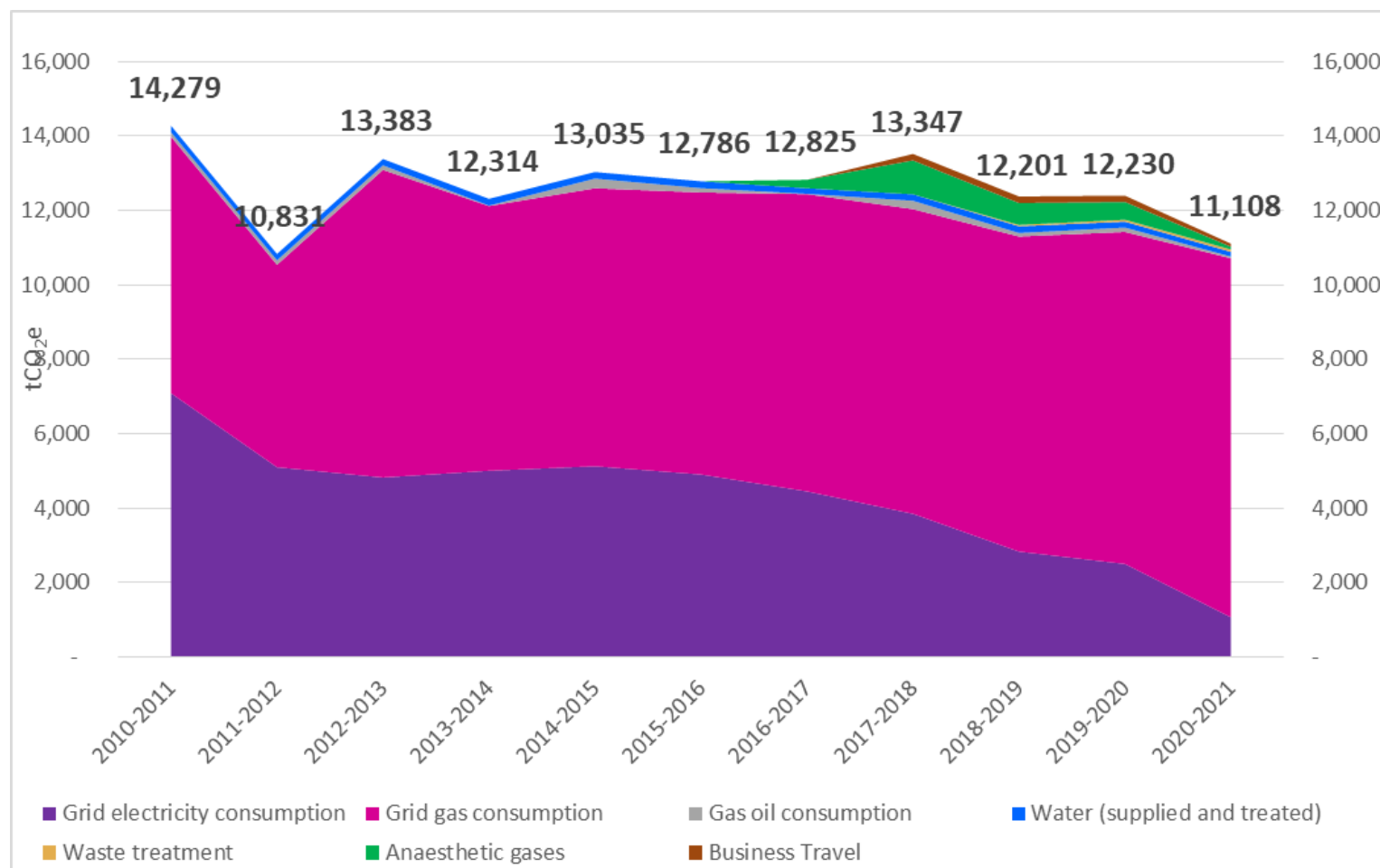
- The trust's previous sustainable development target was a **6%** annual improvement in NHS Sustainable Development Assessment Tool (SDAT) scores.
- SDAT has been withdrawn but a light touch review shows the Trust improved in all 10 categories
- BTHFT has improved its overall SDAT score by over **20%** in the last two years.

Trust Carbon Footprint

Bradford Teaching Hospitals
NHS Foundation Trust

- Our Footprint has reduced by **22%** in the past decade
- Main contributor to our carbon footprint is burning of gas for heating, hot water & electricity (59% of electricity consumed at BRI, 80% of electricity consumed at St Luke's)
- The Trust is currently producing a Heat Decarbonisation Plan to identify how to radically reduce these carbon emissions
- We do not currently collate robust data from some sources (e.g. Licensed Vehicles, Metered Dose Inhalers), so we cannot calculate their emissions. We aim to collect this data to allow more comprehensive reporting in future; as a result...
- Our carbon footprint may then increase. We will ensure this apparent deterioration is clearly documented in reporting

Trust Carbon Footprint



Trust Carbon Footprint

Bradford Teaching Hospitals
NHS Foundation Trust

tCO ₂ e	2010/2011	2020/2021	% Change
Grid electricity consumption (market-based)	7,090 ¹	1,064	-85%
Grid gas consumption	6,894	9,651	+40%
Gas oil consumption	121	44	-63%
Water (supplied and treated)	175	129	-26%
Waste treatment	0	62	n/a
Anaesthetic gases	0	74	n/a
Business travel	0	84	n/a
Total (market-based for 2020/21)	14,280	11,108	-22%

Successes since Jan 2021

Bradford Teaching Hospitals
NHS Foundation Trust

- The Trust is in the **top four** out of 40 peer acute teaching Trusts for site energy consumed per occupied floor area, water consumed per occupied floor area and carbon emissions per occupied floor area
- The Trust installed an additional **25 kW** Solar Photovoltaic array at the Bradford Royal Infirmary Site
- The Trust invested in its **first electric road vehicle** for the grounds and gardens team
- The Trust agreed to a **total ban of the use of Desflurane** on the 13th May 2021 - one of the first Trusts in the region to do this on the evidence of the gas's impact on the environment.
- From the 1st April 2021 all grid electricity consumed on Trust-owned properties is 100% sourced from renewable technologies and certificated under the **Renewable Energy Guarantees of Origin (REGO) scheme**.

Successes since Jan 2021

Bradford Teaching Hospitals
NHS Foundation Trust

- Significant investment from the Bradford Hospitals Charities to promote active travel by installing **two secure cycle compounds** at BRI and St Luke's Hospital and **changing facilities** at Bradford Royal Infirmary
- Our first **Green Summit** held during COP 26 to create a forum for Trust employees to innovate and help the Trust on its journey to #missiontonetzero
- **Embedding Sustainability** into the Outstanding Maternity Service and Outstanding Theatre Service programmes
- Over **500,000 electronic letters** were sent out by the Trust resulting in a reduction in the environmental impact associated with sending and receiving paper mail
- **Board Development Session** exploring how the Trust needs to transition to operate as a Net Zero and sustainable Trust.

Next 12 months

- BTHFT will learn whether its proposals to build a new, **Net Zero Carbon Hospital** have been given approval to proceed to next stage
- Our **Green Forum** will begin to engage with our workforce on sustainability and identify more opportunities to become a greener Trust
- The West Yorkshire and Harrogate Integrated Care Partnership (ICS) is required to produce an **ICS Green Plan** by the 31st March 2022; BTHFT is involved in development.
- More **guidance, tools and strategies** will be launched by NHS England to accelerate the journey to becoming sustainable and a net zero carbon Trust.
- Developing a **new BTHFT Green Plan** ready for publication in 2023
- **Challenges remain** in progressing this important work, against the background of pandemic and operational pressures

Solar PV at BRI



First Trust Electric Vehicle (with NHSE's North East & Yorkshire net zero Lead visiting the Trust)



Cycle Compounds

