

Cygnnet Net Zero Carbon Reduction Plan

Background and Key Actions



Net Zero Carbon Reduction Plan

Why Do We Need To Reduce Cygnet's Generation Of Carbon?

- ♻️ Cygnet's Net Zero Carbon Reduction Plan shows our commitment to the environment and a greener future for all
- ♻️ The NHS have set a Net Zero Carbon Date for 2045, and rightly expect their partners and supply chain to have similar plans in place.
- ♻️ As a provider of NHS care we must meet certain obligations against a Green Plan and evidence our improvements/achievements against this plan
- ♻️ We are ambitious to exceed the expected requirements and have set ourselves targets to drive forward our green agenda
- ♻️ In line with the criteria for some government frameworks, bids must have a Net Zero Carbon Reduction Plan (Public Policy Note 06/21).
- ♻️ Fuel and energy costs are rising, carbon emissions are a function of our consumption, reducing our consumption reduces Cygnet's cost of delivering care.

Net Zero Carbon Reduction Plan

How Is Cygnet's Carbon Footprint Calculated?

- ♻️ Cygnet's carbon footprint is measured in tCO₂e (tonnes of carbon equivalent).
- ♻️ There are **3** Scopes from which material categories are chosen to calculate a carbon footprint:
 - ♻️ **Scope 1** – Gas, heating fuels and transport (owned and leased vehicles)
 - ♻️ **Scope 2** – Electricity
 - ♻️ **Scope 3** - 8 upstream categories such as: purchased goods, waste, business travel and employee commuting and; 7 downstream categories such as the end use of sold products, ultimate disposal of sold products.
- ♻️ **Scope 1 & 2** are known within Cygnet's operational boundary and these are within our control.
- ♻️ **Scope 3** relate to our suppliers predominantly and their actions as well as things like how our staff commute to work. As such these are harder to reduce as we can influence but not control.
- ♻️ An individual item is multiplied by a conversion factor to create the carbon emission figure.
 - ♻️ E.g. 1x kWh of electricity is multiplied by 0.21233 to get the kg's of carbon
 - ♻️ E.g. 1 hotel night stay in the UK is multiplied by 13.9.

Net Zero Carbon Reduction Plan

What Does Cygnet's Path to Net Zero Carbon Look Like?

Expectations of Cygnet

-  An awareness of the organisation's current carbon impact and the baseline footprint
 -  A clear target position for carbon neutral and net zero date.
 -  An action plan to get there with milestones.
 -  Driven by the Board and made publicly available on the Cygnet website
 -  Annual recalculation of the carbon footprint.
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-  The appointment of experts, Sustainable Advantage, to support Cygnet's Net Zero Carbon Reduction Plan.

Net Zero Carbon Reduction Plan

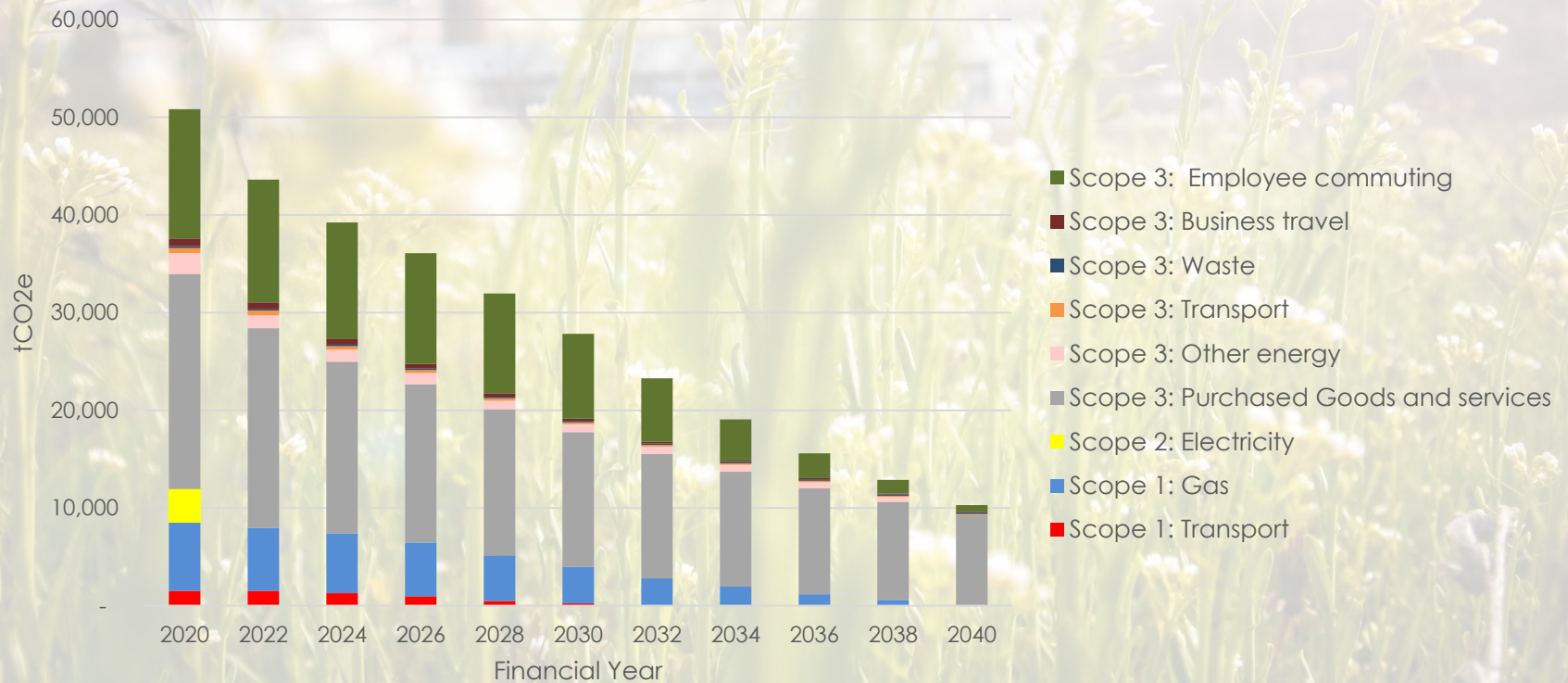
2020 Baseline

| Scope / Category | Emissions tCO ₂ e | % Of Total |
|------------------------------------|------------------------------|----------------|
| Scope 1 | | |
| Gas | 6,977 | 13.73% |
| Transport | 1,522 | 3.00% |
| Scope 2 | | |
| Electricity | 3,444 | 6.78% |
| Scope 3 | | |
| Purchased Goods and services | 22,013 | 43.32% |
| Fuel and energy related activities | 2,140 | 4.21% |
| Upstream transport | 522 | 1.03% |
| Waste | 204 | 0.40% |
| Business Travel | 773 | 1.52% |
| Employee commuting | 13,222 | 26.02% |
| | 50,817 | 100.00% |

Net Zero Carbon Reduction Plan

Cygnets Will Become Carbon Net Zero in 2040


Gross emissions tCO₂e








Net Zero Carbon Reduction Plan


What Do We Need to Do to Reduce Our Carbon Footprint?






Transport (3% of Total Carbon) – Cygnet Fleet

 When vehicles reach the end of their life, replace with an electric vehicle and install charging points. This means:

-  **15%** of the Fleet replaced with Electric Vehicles by 2024
-  **25%** of remaining vehicles by 2026
-  **50%** of remaining vehicles by 2028
-  **50%** of remaining vehicles by 2030
-  **100%** of the Fleet will be electric vehicles by 2032

Gas and heating fuels (13.7% of total carbon)

 When utilities are re-tendered, procure:

-  **5%** of gas from renewable sources in 2024
-  **10%** of gas from renewable sources in 2026
-  **15%** of gas from renewable sources in 2028
-  **50%** of gas from renewable sources in 2038
-  **100%** of gas from renewable sources in 2040.

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Purchased Goods and Services (43% of Total Carbon)

-  By influencing supplier behaviour, incentivising and encouraging carbon reduction in our supply chain.
 -  5% reduction per annum
 -  Tier 1 suppliers must share their carbon footprint ahead of being engaged.

Waste (0.4% of Total Carbon)

-  As facilities become available move clinical waste to incineration, instead of landfill.



Business Travel (1.52% of Total Carbon)

-  Communications and policy change to:
 -  Encourage the use of Teams call and Zoom and avoid unnecessary travel.
 -  Use train instead of cars where possible.




Net Zero Carbon Reduction Plan

What Do We Need to Do to Reduce Our Carbon Footprint?

Employee Commuting (26% of Total Carbon)

-  Cygnet have over 10,000 staff commuting to Cygnet sites daily.
-  Encourage the use of electric vehicles and public transport.
-  Expect a gradual shift in the market for cars towards electric vehicles.
-  Supported by salary sacrifice company car scheme, which should result in the following change in employee vehicle ownership:
 -  **5%** of employees commuting in Electric Vehicles by 2024
 -  **10%** of employees commuting in Electric Vehicles by 2026
 -  **20%** of employees commuting in Electric Vehicles by 2028
 -  **35%** of employees commuting in Electric Vehicles by 2030
 -  **95%** of employees commuting in Electric Vehicles by 2040

Offsetting

-  Cygnet can become Carbon Neutral by offsetting as soon as we wish.
-  Expected cost ~ £90k per annum.
-  Proposed carbon neutral date of 2022.