
CARBON REDUCTION PLAN 2024



DELIVERING LEADING INNOVATIONS

Carbon Reduction Plan 2024

Supplier name: ...SHJ Hospital Pipelines Ltd.....

Publication date:April 25.....

Commitment to achieving Net Zero

SHJ Hospital Pipelines Ltd is committed to achieving Net Zero emissions by 2045.

Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured.

Baseline Year: 2021	
Additional Details relating to the Baseline Emissions calculations.	
Our baseline emissions were assessed for the first time as part of our ISO 14001 accreditation and are based on: <ul style="list-style-type: none">- fuel (diesel and petrol) consumed by the organisation in its sites and owned vehicles based on information derived from bills and fuel cards- Electricity and natural gas used on our sites based on utility bills The reported data is based on the average of 9 months data to September 2021 extrapolated to 12 months. No Scope 3 emissions have been reported	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	229
Scope 2	22
Scope 3 (Included Sources)	Not assessed
Total Emissions	251

Emissions have been calculated each year following the baseline year of 2021 and are shown in the table following. We are gradually improving the scope 3 emissions reporting. The increase in scope 1 and 2 emissions for 2024 are due to electricity supply contracts being issued to non-green energy suppliers and an increase in vehicle usage. The electricity contract will hopefully be returned to 100% green energy contracts as existing contracts expire and are renewed.

The increase in vehicle usage by mobile technicians is due to increased workload and a consequential increase in the number of mobile technicians and vehicles.

Where practical vehicles will be changed to hybrid or full electric vehicles during the normal vehicle replacement programme. The use of full electric vehicles for mobile technicians is not yet a practical option in all cases.

Emissions Reporting

Reporting Year:	2021	2022	2023	2024
EMISSIONS				
Scope 1	229	217.524	121.797	254.096
Scope 2	22	22.657	1.785	21.456
Scope 3 (Included Sources)	Not assessed	Not assessed	3.203	4.623
Total Emissions (tCO ₂ e)	251	240.181	126.785	280.175

Emissions reduction targets

Scope 1 Emissions :
Fuel used in company vehicles

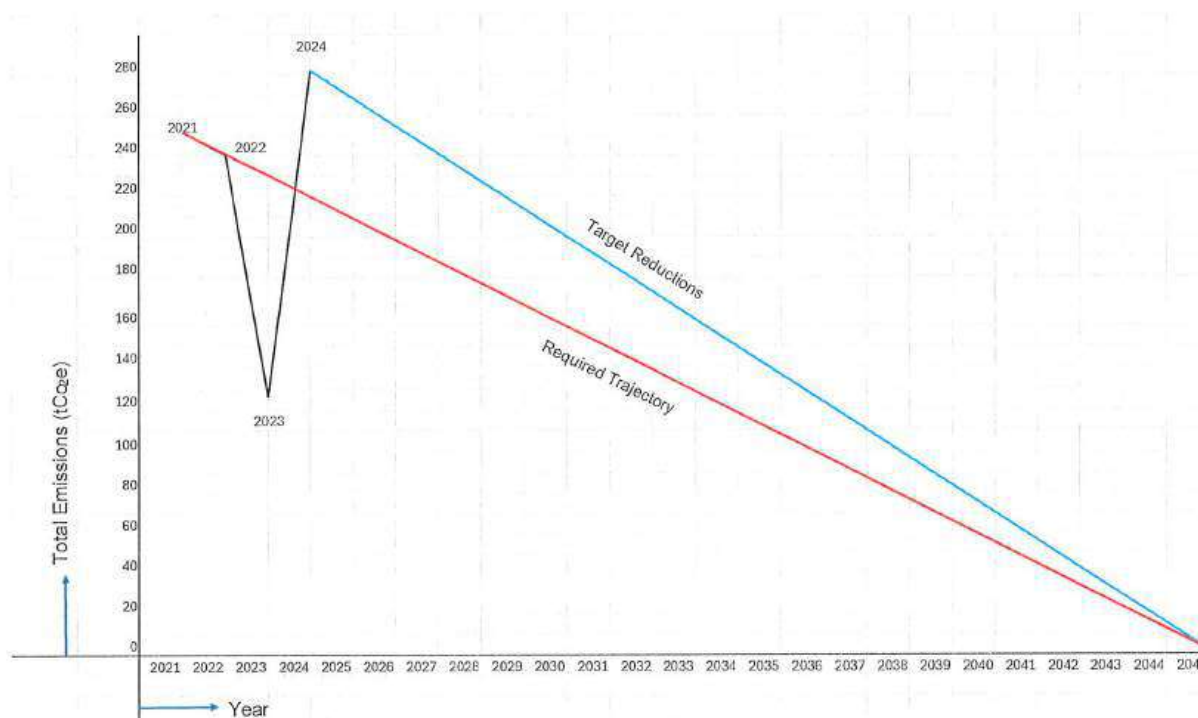
Scope 2 Emissions :
Electricity and gas used to heat/cool company premises

Scope 3 Emissions:
Waste/water volumes/mass - taken from waste disposal certificates and water bills
Disposal Method - Information from Waste disposal companies
Emission Factors - WRAP Table 14: Carbon WARM, unnormalized values (kg.CO₂e/tonne).
These take into account waste recycling.

In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction target as shown on the following graph (blue line).

We project that carbon emissions will decrease over the next five years to 210 tCO₂e by 2029. This is a reduction of 25%.

Progress against these targets can be seen in the graph below:



Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2021 baseline. The carbon emission reduction achieved by these schemes carried out during 2022 and 2023 amounted to a 47.2% reduction in emissions. Unfortunately during 2024 emissions increased due to electricity supply contracts being issued to non-green energy suppliers and an increase in vehicle usage.

The following environmental management measures and projects that have been completed or implemented since the 2021 baseline are as follows. A number of these are monitored and reported on by our appointed environmental champions.

- Electrification of company vehicles – A further 4 Petrol/diesel vehicles have been sold and replaced with 1 additional electric vehicle and 3 petrol/electric hybrid vehicles.
- “Fleetcheck” software continues to be used to monitor vehicle movements and monitor fuel usage.
- Introduction of a vehicle no idling policy

- Reduction in travel using video conferencing
- Management of our waste management system which is achieved through separate waste bins within our offices including for batteries, coffee pods, water filter cartridges. Coffee pods are recycled.
- Reuse of cardboard packaging
- Photocopying is monitored and controlled by photo card.
- Paper use is monitored and recycled paper used.
- Replacement of thermostats on radiators that were non-operational
- Hand soap is being purchased in larger bottles to reduce single use plastics.
- Further the use of electricity providers that supply only green energy as and when supply contracts are renewed. This has slipped back during 2024 but hopefully will be reversed as contracts expire and are renewed.
- Installation of Solar Panels on units 4 and 9 completed in July 2023
- All A/C units maintained, no refrigerant usage.
- 72 carbon credits received for Shell Carbon Credits retirement scheme for fuel purchase.
- Change over of fluorescent lighting to LED lighting.

Over the coming year solar panels will be installed on Chesham unit 5 and the systems on units 4 and 9 will be upgraded.

Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard and uses the appropriate Government emission conversion factors for greenhouse gas company reporting .

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of Scope 3 emissions have been reported as far as possible in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard.

This Carbon Reduction Plan has been reviewed and signed off by the managing director.

Signed on behalf of the Supplier:



Date:April 25.....

Scope 1 and 2 emissions calculated using the Carbon Trust SME Carbon Footprint Calculator for small and medium-sized businesses.

275,552 kgCO₂e

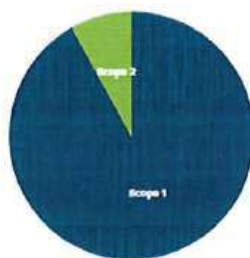
If you'd like to report your emissions, you can do so by breaking this down into:

254,096
kgCO₂e

Scope 1 emissions
(direct energy and
processes)

21,456
kgCO₂e

Scope 2 emissions
(indirect impact from
electricity)



CARBON REDUCTION PLAN 2023



DELIVERING LEADING INNOVATIONS

Carbon Reduction Plan 2023

Supplier name: SHJ Hospital Pipelines Ltd

Publication date: April 2024

Commitment to achieving Net Zero

SHJ Hospital Pipelines Ltd is committed to achieving Net Zero emissions by 2045.

Emissions Footprint

Emissions are a record of the greenhouse gases that have been produced in the year January 2023 to December 2023.

The current year emissions are compared to previous years emissions.

Year: 2023			
Additional Details relating to the Emissions calculations.			
Our emissions are based on: Scope 1 - fuel (diesel and petrol) consumed by the organisation in its sites and owned vehicles based on information derived from bills and fuel cards (includes 72,000 carbon credits from Shell) Scope 2 - Electricity and natural gas used on our sites based on utility bills (figures include green energy allowances) Scope 3 emissions include waste disposal and water consumption. The reported data is based on the 12 months of data January to December 2023.			
	Baseline Year 2021	2022	2023
EMISSIONS	TOTAL (kgCO ₂ e)	TOTAL (kgCO ₂ e)	TOTAL (kgCO ₂ e)
Scope 1	228,914	217,524	193,797-72,000 = 121,797
Scope 2	21,972	22,657	1,785
Scope 3 (Included Sources)	Not Included	Not Included	3,203

Total Emissions	250,886 kgCO ₂ e	240,181 kgCO ₂ e	126,785 kgCO ₂ e
------------------------	-----------------------------	-----------------------------	-----------------------------

Emissions reduction targets

Carbon emissions have been reduced from 240,181 kgCO₂e in 2022 to 126,785 kgCO₂e in 2023 which is a reduction of 47.2%. This is largely due to the expansion of green energy tariff usage and the receipt of carbon credits for fuel usage. It has been achieved however against a background of expansion for SHJ including the development of a training centre in unit 9, recruitment of additional staff, being awarded additional contracts and the inclusion of stage 3 emissions.

The current year includes emissions from the following premises:

Anglo Units 4,5 & 9

Howards units 3,4 & 5

Weatherby unit 707A

Aberdeen Unit 9

A further review will be undertaken for year 2024.

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

Our ISO 14001 Environmental Management system has been implemented and completed first year review.

The following environmental management measures and projects that have been completed or implemented since the 2021 baseline are as follows. A number of these are monitored and reported on by our appointed environmental champions.

- Electrification of company vehicles – A further 4 Petrol/diesel vehicles have been sold and replaced with 1 additional electric vehicle and 3 petrol/electric hybrid vehicles.
- Fleetcheck software continues to be used to monitor vehicle movements and monitor fuel usage.
- Reduction in travel using video conferencing
- Management of our waste management system which is achieved through separate waste bins within our offices including for batteries, coffee pods, water filter cartridges
- Reuse of cardboard packaging
- Photocopying is monitored and controlled by photo card.
- Paper use is monitored and recycled paper used.
- Replacement of thermostats on radiators that were non-operational
- Hand soap is being purchased in larger bottles to reduce single use plastics.
- Further the use of electricity providers that supply only green energy as and when supply contracts are renewed.

- Installation of Solar Panels on units 4 and 9 completed in July 2023
- All A/C units maintained, no refrigerant usage.
- 72 carbon credits received for Shell Carbon Credits retirement scheme for fuel purchase.

Within the next 12 months we will implement the following measures:

- Introduction of a no idling policy (linked to fleetcheck software)
- Proposed plan to introduce vehicle cameras that will monitor idling
- Increase the use of electricity providers that supply only green energy as and when supply contracts are renewed.
- Introduction of further electric vehicles in line with vehicle replacement programme
- increased use of LED Lighting and introduction of photocells in all occupied premises
- Plan for the installation of Solar Panels on unit 5
- Investigate installation of air to water heat pumps as replacement of gas boilers. (note: reverse cycle refrigeration units are currently installed in offices and we will review the economics of using these for heating)
- Increased use of LED lighting as areas are refurbished
- Update EPC's for all units

Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

Scope 1, 2 and 3 emissions have been reported.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).

Signed on behalf of the Supplier:



Date: 1st April 2024.....