

# Carbon Reduction & Sustainability Plan (QM-CRP/1)

PRESENTED BY

I MERRILEES (CMIOSH)



Organisations name:



Publication date: 12<sup>th</sup> January 2024

### Commitment to achieving Net Zero

Hopwells Limited is committed to achieving Net Zero emissions by 2050, which is now a fairer path to achieving target and therefore easing financial burden.

UK's over-delivery on reducing emissions provides space to take a more pragmatic, proportionate, and realistic approach to reaching net zero.

### 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.

Hopwells has appointed [Carbon Footprint Ltd](#), a leading carbon and energy management company, to independently assess its Greenhouse Gas (GHG) emissions in accordance with the UK Government's 'Environmental Reporting Guidelines: Including Streamlined Energy and Carbon Reporting Guidance'.

The GHG emissions have been assessed following the ISO 14064-1:2018 standard and has used the 2022 emission conversion factors published by Department for Environment, Food and Rural Affairs (Defra) and the Department for Business, Energy & Industrial Strategy (BEIS). The assessment follows the dual reporting approach for assessing Scope 2 emissions from electricity usage. The operational control approach has been used.

The table below summarises the GHG emissions for reporting year: 1st January 2022 to 31st December 2022. The Company has been assessing its GHG emissions since 2013 and have provided the base year and previous year results for comparison.

**Note:** *this includes emission sources above the minimum that is required for SECR compliance.*

## Current Emissions Reporting

Scope	Activity	2022	
		Location-based tCO <sub>2</sub> e	Market-based tCO <sub>2</sub> e
Scope 1	Company lorries	3,022.85	3,022.85
	Refrigerants	639.77	639.77
	Company cars	116.31	116.31
	Company vans	70.45	70.45
	Natural Gas	35.15	35.15
<b>Scope 1 Sub Total</b>		<b>3,884.53</b>	<b>3,884.53</b>
Scope 2	Electricity generation	732.08	0
<b>Scope 2 Sub Total</b>		<b>732.08</b>	<b>0</b>
Scope 3	Electricity transmission & distribution	66.97	0
	Company vehicles off-site charging	0.14	0.14
<b>Scope 3 Sub Total</b>		<b>67.10</b>	<b>0.14</b>
<b>Total tonnes of CO<sub>2</sub>e</b>		<b>4,683.71</b>	<b>3,884.67</b>
<b>Tonnes of CO<sub>2</sub>e per employee (all scopes)</b>		<b>18.66</b>	<b>15.48</b>
<b>Tonnes of CO<sub>2</sub>e per £M turnover (all scopes)</b>		<b>67.88</b>	<b>56.30</b>
<b>Mandatory SECR elements only (tonnes of CO<sub>2</sub>e)*</b>		<b>3,976.97</b>	<b>3,244.90</b>
<b>Mandatory SECR elements only (kWh)*</b>		<b>16,716,890</b>	

Activity	Baseline Year 2013	Previous Year 2021	Current Year 2022
Total energy consumed (kWh)	<i>Not assessed</i>	13,744,926	16,716,890
Total location-based emissions (tCO <sub>2</sub> e)	4,755.36	3,713.37	4,683.71
Total market-based emissions (tCO <sub>2</sub> e)	<i>Not assessed</i>	2,879.24	3,884.67
Mandatory SECR elements only, location-based (tCO <sub>2</sub> e)*	4,123.81	3,321.95	3,976.97
Intensity ratio†: tCO <sub>2</sub> e (all scopes, location-based) per £M revenue	69.28	75.25	67.88

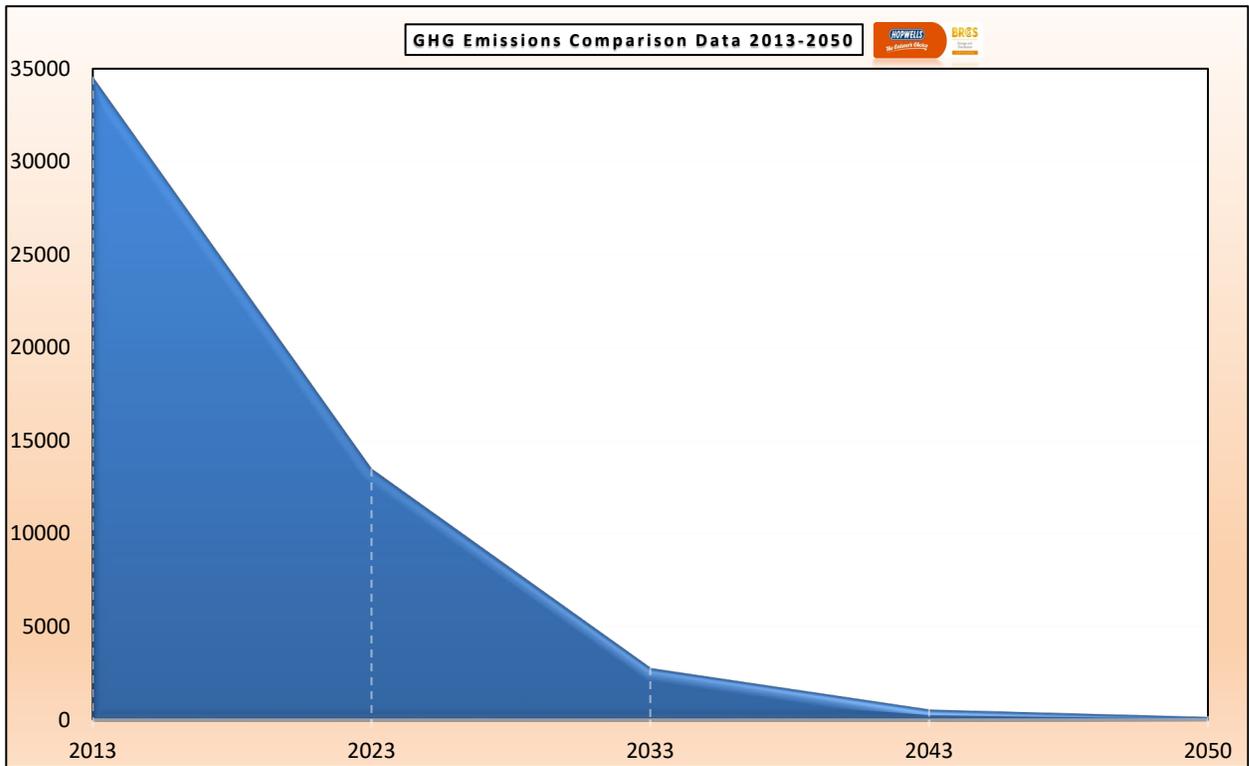
### Emissions reduction targets

Existing emissions reduction targets are in place for our organisation and are as follows. We are targeting a reduction in the region of 14.5% year-on-year to enable us to meet our projected target of becoming net zero by 2050.

In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets.

We project that carbon emissions will decrease over the next five years to 1223.90 tCO<sub>2</sub>e by 2027. This is a reduction of 15%.

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 2013 baseline. The carbon emission reduction achieved by these schemes equate to 2242 tCO<sub>2</sub>e, a -21.91%ge reduction against the 2013 baseline and the measures will be in effect when performing the contract.

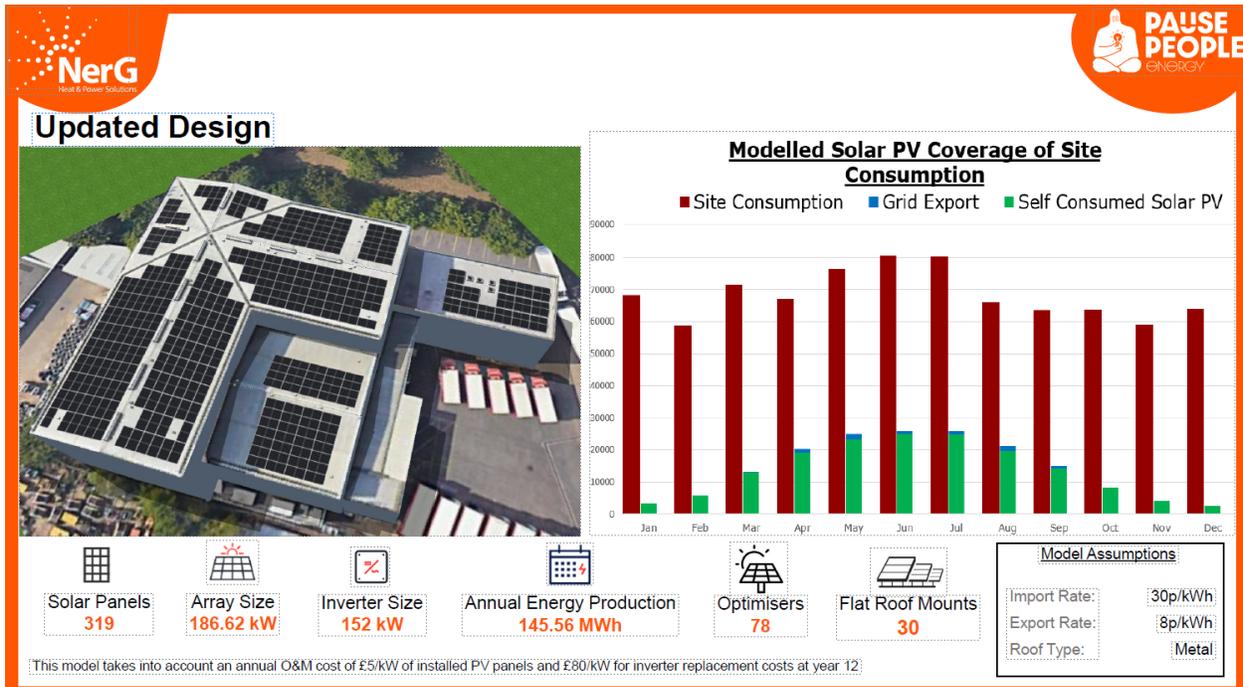
Hopwells Limited have integrated many verified carbon offsetting projects over the last 10-years including:

- Tree planting in the Great Rift Valley, Kenya, thereby offsetting carbon emissions and helping to combat climate change.
- Solar Power Projects in India (VCS 1670)
- The Portel-Para REDD Project in Brazil (VCS 977)
- UK Tree planting schemes in local areas, such as Greno Woods in Sheffield
- Solar wind power projects by Panama Wind
- CO<sub>2</sub> plants have been installed at our Ormskirk site and a rolling plan is in place to



In addition of our offsetting programme, Hopwells Limited has implemented and completed the following initiatives within the business.

- i. Specific measures have been taken with the adoption of LED/PIR lighting controls in all of our office, lorry parks, cold store and chilled chambers.
- ii. Policies have been compiled in respect of the reduction in company travel and flights.
- iii. Electrification of the company's car fleet is underway as well as demonstrator models for our trucks. We now have EV-charging facilities at most of our sites, with a view to having any remaining depots upgraded within the following six-months.
- iv. Meetings with Solar PV companies have been successful, and we have moved forward with plans for our hub site at Sheffield to be fitted out with 319 solar panels to our offices, cold store, chilled chamber roofs to site in February 2024. This will give the Company an initial return rate of 31.94%; with a payback period of c3.4 years. We this we hope to achieve annual savings of £42,841, and a system saving of £1,158,186 of the next 25-year period.



- v. The added benefits of solar other than cutting energy bills is solar energy has the least negative impact on the environment compared to any other energy source, which we plan to sell our unused energy back to the grid.
- vi. We will continue to partner with the 'Tree budding' scheme under the Carbon Footprint. This means for each tree we pledge, as well as planting a tree, we also offset one tonne of CO<sub>2</sub> through a VCS project, which guarantees offsetting one tCO<sub>2</sub>.  
  
This ensures our carbon offsetting:
  - is fully verified
  - meets international standards - including meeting strict additionality requirements
  - meets BSI's PAS 2060 specification on carbon neutrality
  - meets the Carbon Footprint Standard and
  - continues to take additional CO<sub>2</sub> out of the atmosphere during the life of the tree
- vii. We have reviewed plant settings to ensure that they are running to an optimal efficiency; therefore, increasing the temperature of our cold stores from -23°C to -19°C.
- viii. Since 2021, 100% of Hopwells' electricity consumption was sourced from renewable energy.

- ix. We have installed leak detection systems and procedures to minimise any future losses of refrigerant.
- x. We are now using alternative refrigerant in our cold stores and chilled chambers with lower GWPs, to mitigate the impact when a leak does occur.
- xi. We have installed the [Samsara Fleet Management System](#) to all our trucks and cars. This gives us a global overview of the fleet, aligned with optimal vehicle routing resulting in “to-the-second” GPS tracking and smart geofencing. All-in-all this gives us the best-in-class visibility to improve our route performance and provide better service for your customers.

**In the future we hope to implement further measures such as:**

### **HVOs – Hydrotreated Vegetable Oil**

- Fossil-free alternative to mineral diesel.
- Made from 100% renewable sources. A second-generation biofuel made from vegetable oils or animal fats. The most sustainable type of HVO is that made from waste oils. (It is different to “biodiesel”/FAME).
- Hydro-treated to achieve elevated levels of purity, unlike the first-generation biofuels. It is therefore FAME-free and can be used as a drop-in replacement for diesel.
- Produces significantly lower NOx and particulate matter, improving local air quality and reducing pollution-related health issues.
- Excellent cold-weather properties, long shelf life and ultra-low Sulphur combustion.
- Approved by a wide range of vehicle manufacturers for use in their vehicles without modification.
- Drop-in replacement so you do not need to drain your tank or modify equipment to switch to it.

### **Declaration and Sign Off**

This Carbon Reduction & Sustainability 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<sup>1</sup> and uses the appropriate Government emission conversion factors for greenhouse gas company reporting<sup>2</sup>.

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<sup>2</sup><https://www.gov.uk/government/collections/government-conversion-factors-for-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 in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard<sup>3</sup>.

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

### Offsetting certificate



2023\_07 CFP  
Appraisal Certificate

Signed on behalf of the organisation.



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Review date: 11<sup>th</sup> January 2025

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<sup>3</sup><https://ghgprotocol.org/standards/scope-3-standard>  
<https://ghgprotocol.org/corporate-standard>