

Carbon footprint report

York Gin Company Limited

Year 1 - Benchmark

01 March 2021 to 28 February 2022



Commit



Measure



Reduce



Engage





Step one.

Commitment





Net-Zero Strategy

The first bottles of York Gin London Dry appeared in 2018 after a group of friends (including one of York's most well-known pub landlords) decided it was time for the city to have its own gin.

When we established York Gin, we were clear we would create a sustainable business. We take our responsibilities very seriously - to the planet, to our people and partners, and to our community.

For example, from day one, we have run on 100% renewable electricity generated from the sun, wind and water.

Our aim is that the world is a better place with York Gin in it, so the environment, local people and charities actually benefit from our existence.

In short, we want to be a 'Net Positive' business.

We are very aware that we are not there yet - but we are making huge efforts, and incremental steps are carrying us closer to our ambition.

York Gin have implemented many measures and plan to build on this over the coming years to support our net-zero ambition, reduce our environmental impact. We understand that our associated carbon emissions do not stop with our organisational footprint and our longer term ambition is to understand, reduce and engage across all of our impacts.

We have started to calculate our organisational impact, Scope 1,2 and some Scope 3 emissions in partnership with a sustainability consultant. This is the start for York Gin and our policy is to reduce and remove XXX emissions before offsetting.





Our Climate Commitment – UNFCCC Race to Zero

York Gin recognises that climate change poses a threat to the economy, nature and society-at-large, our company commits to take action immediately in order to:

- 1.Halve our greenhouse gas emissions before 2025**
- 2.Achieve net zero emissions before 2030**
- 3.Disclose our progress on a yearly basis**

In doing so, we are proud to be recognised by the United Nations Race to Zero campaign, and join governments, businesses, cities, regions, and universities around the world that share the same mission.

We acknowledge that our commitment will be reported on the SME Climate Hub website. York Gin Ltd made our pledge to the Race to Zero in October 2021





Step two.

Measure





Total Carbon



Total Reduction v Benchmark



Last Period
January 2022

This Period
February 2022

↑15.02%

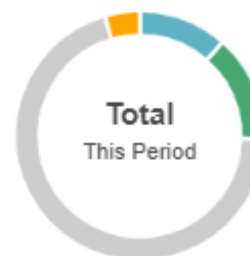


11,804 kg CO₂e



13,577 kg CO₂e

Carbon by Category



	% of Total	% of Reduction
Energy	11.48	0
Bus Travel	13.95	0
Empl Comm	70.05	0
Other	4.51	0

Reporting Year: 01 March 2021 to 28 February 2022

York Gin emitted 13,577 kgCO₂e (Kilogrammes of carbon dioxide equivalent¹) across scope 1, 2 and 3² and reported using the operational control methodology




This can be presented as 13.57 tCO₂e with an intensity indicator³ of 1.23 tCO₂e per total full-time equivalent employee (FTE).



Energy & Fuels

12.09% Total



 Electricity	1,641 kg CO ₂ e
 Gas	0 kg CO ₂ e
 Other	0 kg CO ₂ e



Green Electricity 85.52% Green Gas 0%

York Gin operates from two main sites, plus one shop in York alongside homeworking. York Gin have moved to larger premises during this period resulting in some emission related to electricity that has since switched to 100% renewable.

Electricity was calculated using actual invoice data for all sites. For home office workers we have used the Ecoact/IEEMA whitepaper methodology as shown in the following link

<https://info.eco-act.com/en/homeworking-emissions-whitepaper-2020>



Carbon footprint - Travel



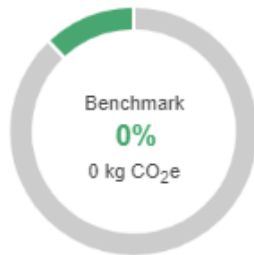
Business Travel

9.41% Total



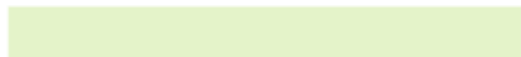
Green Road
Miles
3,686

47.05%
Total Road
Miles



	Cars - ICE	1,124 kg CO ₂ e
	Cars - Green	154 kg CO ₂ e
	VansTrucks	0 kg CO ₂ e
	Other	0 kg CO ₂ e

Total Business Travel by Scope



	Scope 1	1,278 kg CO ₂ e
	Scope 3	0 kg CO ₂ e

York Gin's business travel is 9% of emissions and essential to provide services to clients.

We have recorded our electric van used for deliveries as Cars –Green, as we await UK Government emissions factors for Electric Vans. Further electric vehicles will be added to our fleet over 2022.

We are in the process of developing a company vehicle and travel policy and will publish this in 2022.



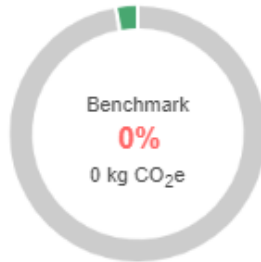
Employee Commuting

73.75% Total



Green Road Miles
8,640

18.16%
Total Road Miles



	Cars - ICE	9,738 kg CO ₂ e
	Cars - Green	275 kg CO ₂ e
	Bus	0 kg CO ₂ e
	Rail	0 kg CO ₂ e

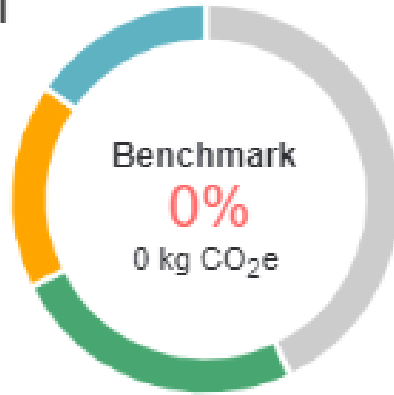
York Gin's commuting accounts for 73% of recorded emissions and essential to make our products and operate as a business.

We are in the process of reviewing the data and developing a company commuting policy and will publish this in 2022.



Detailed Carbon

Total



- Water Treatment 276 kg CO₂e
- Water Supply 159 kg CO₂e
- Waste Disposal 110 kg CO₂e
- Other 99 kg CO₂e
- Material Used 0 kg CO₂e

Historical waste agreements we in place during the reporting period and average invoice data has been extrapolated to obtain total weights and categories.

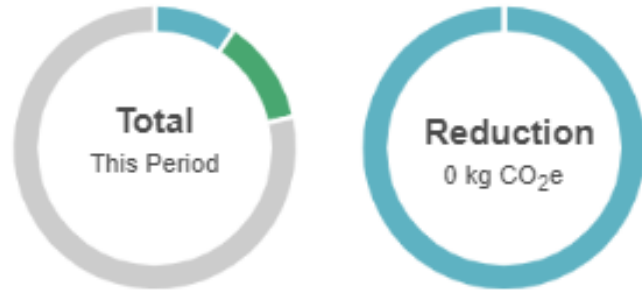
Waste	kgCO ₂ e	%
Landfill	98	89
Recycled	13	11
Total	110	100



Carbon footprint – By Scope



Carbon by Scope



York Gin's emissions by Scope is aligned to national averages 80/20 split.

We are aware we have work to do in this area and are developing internal process and supplier relations to actively engage in the recording of our suppliers carbon data.

	% of Total	% of Reduction
Scope 1	9.41	0
Scope 2	12.05	0
Scope 3	78.53	0



Methodology

York Gin has adopted an operational control approach to establishing the boundary. The methodology adopted in line with the Greenhouse Gas Protocol and the BEIS Environmental Reporting Guidelines. The calculations were completed using the UK Government emissions factors⁴ and the CBN Expert dashboard, signed off by Sustainable Business Services.

Estimations:

For this report we have estimated the waste produced based on invoice data including the average weight of bin by bin type, collection frequency. This method will be updated for further reports as we move to a new waste carrier agreement

Exclusions:

This is our initial report as such we have begun with our organisational footprint that will be extended our upstream and downstream value chain emissions through Scope 3 in our next report. New processes will be implemented to record all Scope 3 emissions over time including supply chain with a target of 80% by 2025 and 100% by 2030.

Data Quality

The data used to generate this report has been collected from various sources including energy and water invoice data, part waste invoice data and internal accounting systems for travel and converted to CO₂e using the CBN Expert Dashboard. This dashboard has been reviewed and signed off by Sustainable Business Services to ensure that it is a true and fair reflection of the both the units of consumption and the resultant GHG emissions of the reporting firm



Step three.

Reduce





Business Information:

York Gin are a gin distiller based in York, distilling and distributing own brand gins on site in York with two shops selling gins in York along with pop up bars throughout the year across York.

Our Gins are sold globally through a distribution partner.

There are 11 staff including directors, with some seasonal staff to cover events and pop ups.

Action Plan & Targets:

As employee commuting accounts for over 70% of recorded carbon emissions a review of working patterns and commuting data will allow for consideration and implementing of cycle to work and car share schemes.

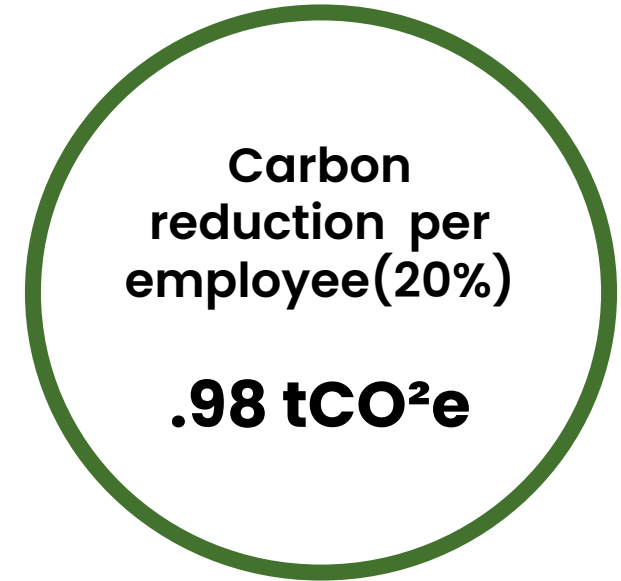
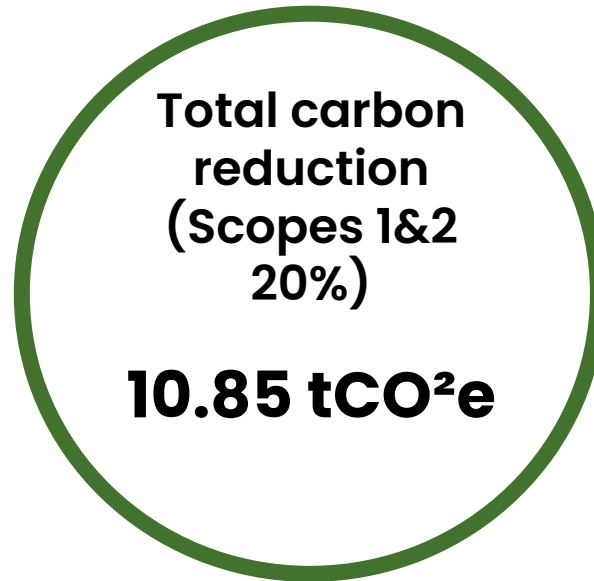
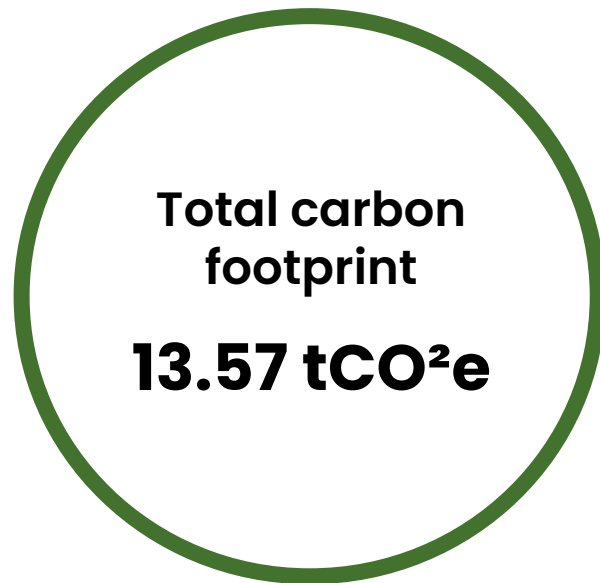
Energy has been impacted in the short term by moving to new premises and the current energy market volatility. Sites are being switched to 100% renewable suppliers currently and will reflect a reduction in next years report.

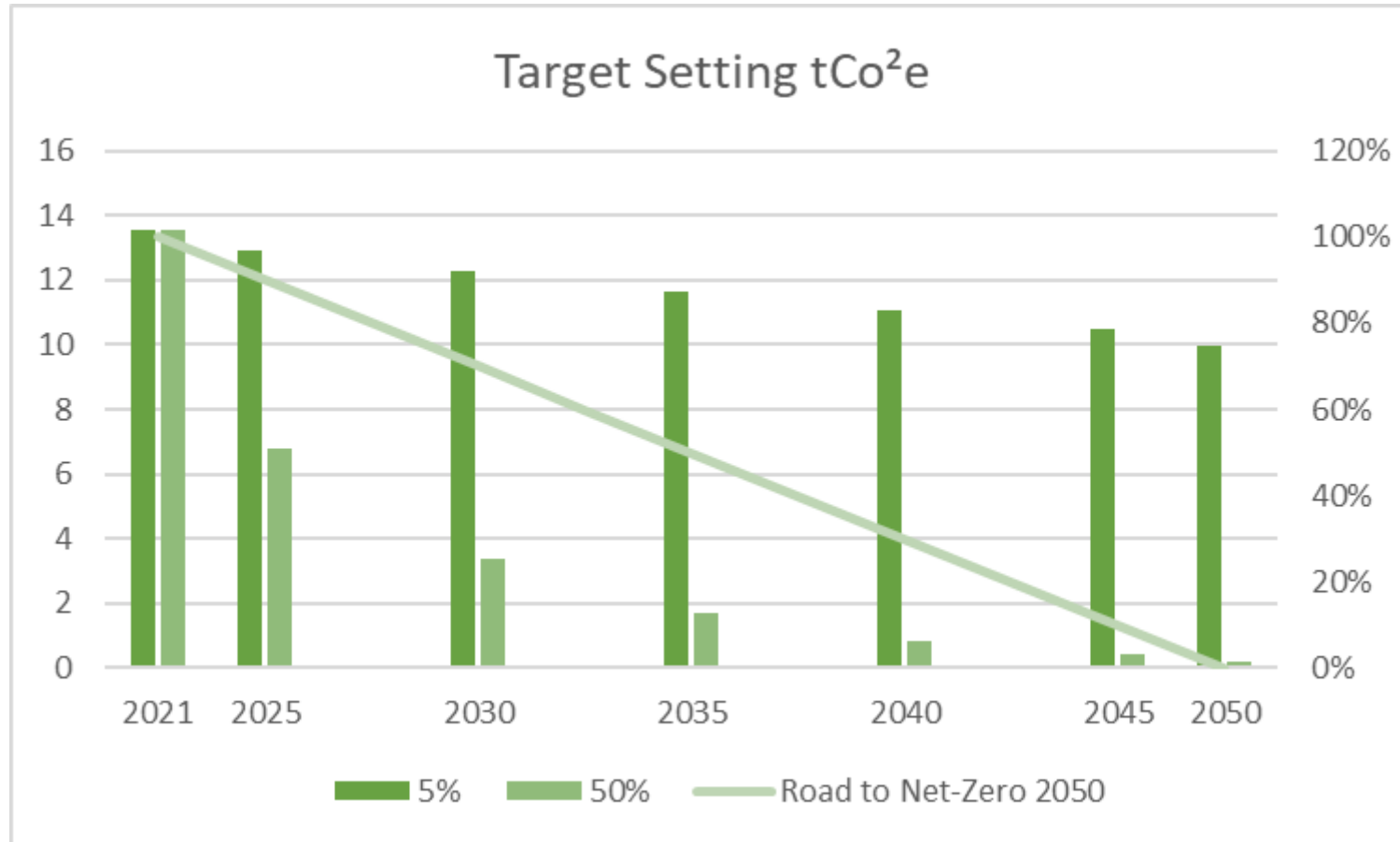
York Gin will actively encourage a wider understanding of water and energy efficiency across the business and will set a target of reducing our usage in Q3.

We are undertaking a wide review of Scope 3 emissions during 2022 and will create a supplier charter, to encourage all of York Gin's suppliers to consider their impact. This charter will be developed in partnerships with Sustainable Business Services and used to begin calculating the emissions associated to our supply chain and cradle to gate product.



Year 2 Target reductions





10% year on year reduction is the minimum target recommended by SBS – this target should be reviewed annually inline with new available data, technology and understanding.



Step four.

Engage





Stakeholder engagement

Sustainability is in our DNA, we are passionate and committed to understanding more about our impact on the environment and communities.

We commit to actively talk about our journey to our staff, supply chain and clients and through social media and marketing. Collectively we can make a difference.

Carbon Literacy

Carbon Literacy is “An awareness of the carbon costs and impacts of everyday activities and the ability and motivation to reduce emissions, on an individual, community and organisational basis.”

Carbon Literate citizens understand how climate change will affect them – both geographically and sectorally – and have acquired the knowledge and skills to lower their carbon footprint, with typical realised carbon savings of 5-15% per person.

York Gin is committed to carbon literacy training for our staff to support our ambition and encourage collective action in and out of the workplace.



Glossary



Term	Definition
Carbon dioxide equivalent (Co ² e)	Carbon dioxide equivalent (CO ₂ e) is the unit of measurement which allows different greenhouse gases to be compared on a like for like basis relative to one unit of CO ₂ .
Intensity indicator	Intensity indicators compare emissions data with an appropriate business metric or financial indicator, such as staff numbers, to allow comparison over time or with other organisations
Organisational boundaries	In setting organizational boundaries, a company selects an approach for consolidating GHG emissions and then consistently applies the selected approach to define those businesses and operations that constitute the company for the purpose of accounting and reporting GHG emissions.
<u>Greenhouse</u> Gas Protocol	GHG Protocol supplies the world's most widely used greenhouse gas accounting standards
UK Government emissions factors	These emission conversion factors are for use by UK and international organisations to report on and are updated annually, greenhouse gas emissions. From: Department for Business, Energy & Industrial Strategy
Scope 1	Direct emissions that result from activities within your organisation's control. This might include on-site fuel combustion, manufacturing and process emissions, refrigerant losses and company vehicles.
Scope 2	Indirect emissions from any electricity, heat or steam you purchase and use. Although you're not directly in control of the emissions, by using the energy you are indirectly responsible for the release of CO ₂ .
Scope 3	Includes all other indirect emissions that occur in a company value chain, eg purchased goods, travel and waste disposal
Carbon footprint	A carbon footprint is the total greenhouse gas (GHG) emissions caused directly and indirectly by an individual, organisation, event or product, and is expressed as a carbon dioxide equivalent (CO ₂ e)
Benchmark year	The initial reporting year to be used to set reduction targets against
Operational control	After a company has determined its organizational boundaries in terms of the operations that it owns or controls, it then sets its operational boundaries. This involves identifying emissions associated with its operations



Thank you.

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