



UTOPIAN

BREWING

Sustainability Report

FY 2021-2022

*Report Researched and Produced by Samuel Ticehurst
For and on behalf of Utopian Brewing Limited
First Published 24th March 2023*

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Sustainability Report '21 - '22

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01

We created 386 tonnes CO₂e, our target is net zero by 2050

Carbon

For the first time, Utopian Brewing has commissioned a carbon-footprint, allowing us to benchmark and quantify our emissions and guide our future strategy. This section covers the creation of the footprint, and how ours stacks up.

02

Our new wastewater plant will save 2,100 tonnes water and at least 7 tonnes CO₂e p.a.

Water

Brewing is a water intensive industry. As part of our carbon strategy, we examine how we use water, and how we can use less.

03

Our new carbon-capture unit will save 35 tonnes of CO₂e p.a.

Future

This section outlines the investments we are currently making and our plans for the sustainable future of Utopian Brewing.

Did you know? - We brew with only 100% British ingredients, carbonate our beers naturally and use no artificial additives. This means we only add things to the beer to improve the quality of taste, and never to cut corners. Our beers contain just water, malt, hops, yeast and plenty of patience. All of which reduces our carbon-footprint.

The product... *better lager for a better future.*

Carbon

For the first time, Utopian has undertaken an audit on our carbon emissions. Following **BIER guidance** and the **GHG Protocol**, we've assessed our **Scopes 1, 2 and 3 emissions**.

We followed our value stream right from the fields where our malt is grown, all the way to your fridge.

Scope 1

We create 92 tonnes CO₂e through our Scope 1 emissions

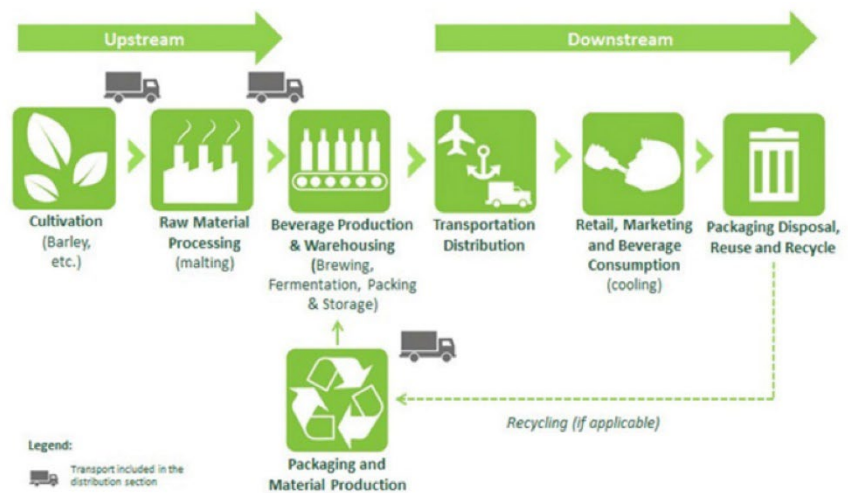
Scope 2

We create 28 tonnes CO₂e through our Scope 2 emissions

Scope 3

We create 266 tonnes CO₂e through our Scope 3 emissions

We've decided to include all emissions created or enabled by our operations.



By commissioning this report, we can **understand where** our emissions are created, and the **ways we can reduce them**. We already invest in ways to reduce our carbon footprint, and this report gives us the knowledge we need to further consider our operations and supply chain.

Did you know? – Scopes 1, 2 & 3 are how we categorise emissions from our operations. Scope 1 emissions are direct, e.g., emissions from diesel for our delivery vans. Scope 2 emissions are from purchased energy, like our mains electricity. Scope 3 emissions cover everything else in our supply chain, from buying our merch, to keeping our beer cold in cellars around the UK.

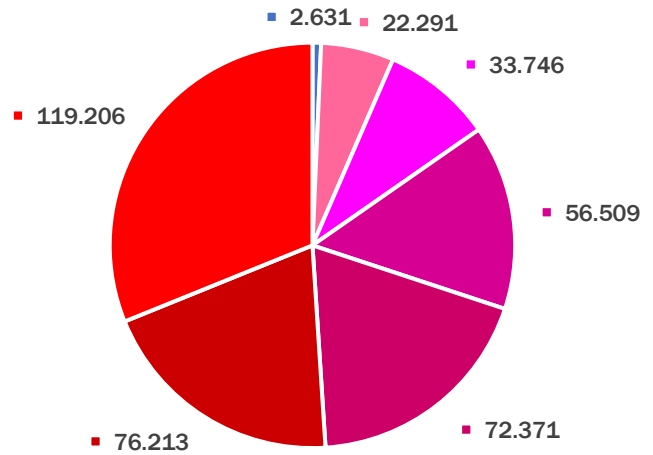


Carbon

Our Emissions Breakdown:

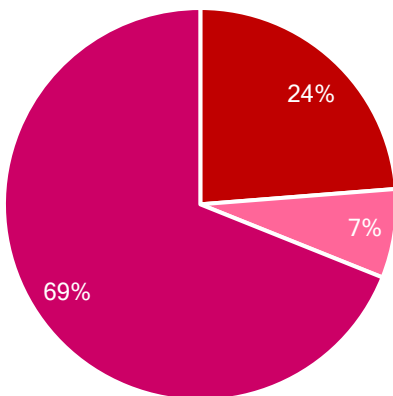
- Our total footprint for the financial year 2021-22 was **386 tonnes CO₂e**.
- The major contributing streams to our footprint were Beverage Production & Warehousing (31%), Material Purchasing (20%), Retail & Consumption (19%) and Packaging Material Production (15%).
- Whilst the major single contributors were propane for our boiler (89 tonnes CO₂e), keg cooling in pubs/bars (64 tonnes CO₂e) and the cans we use for packaging (50 tonnes CO₂e).

Emissions Breakdown (kgCO₂e)



- Disposal, Reuse & Recycling
- Transport & Distribution
- Cultivation
- Packaging and Material Production
- Retail & Consumption - Refrigeration
- Materials
- Beverage Production & Warehousing

Scope Analysis



- Scope 1
- Scope 2
- Scope 3

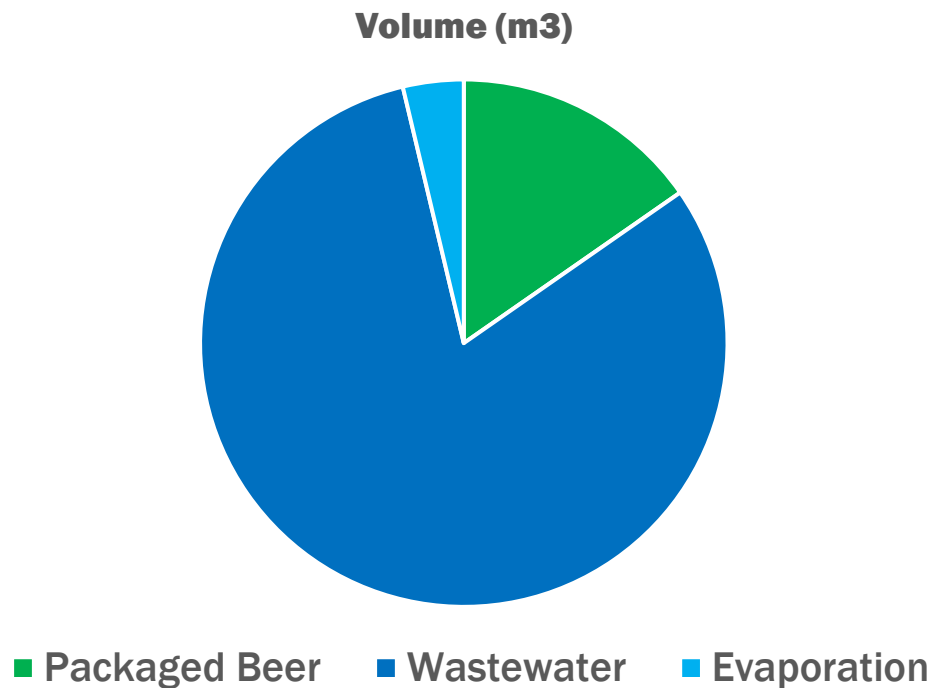
Did you know? – We are one of the first proper craft breweries in the UK to undertake a carbon footprint. Allowing us to understand our emissions and plan for a better future, full of better beer!



Water

Brewing is naturally a water intensive business – but knowing where and how our water is used, means we can ensure we protect this resource.

Between packaged beer, evaporation, and wastewater, we used 3,700 cubic metres of water. 573 cubic metres ended up as packaged beer, whilst 140 cubic metres was evaporated during boiling.



Since we developed a brownfield site on an old rural farm, we don't have mains drainage. To reduce our footprint, and allow us to save water, we invested in a wastewater treatment plant for our Devon home. This new plant will save us 2,100 cubic metres per year, allowing us to **recycle 70% of our wastewater**, and stop us having to tanker our wastewater to Exeter for treatment, **saving 7 tonnes of CO₂e** in the process!



Future

Carbon Capture!

Our new CO₂ capture unit will save us at least 35 tonnes CO₂e per year!

Water Treatment

By treating our wastewater on site, we'll save at least 2,100 m³ water, and another 7 tonnes CO₂e!

Solar

We are also awaiting planning approval for solar panels on our roof, which could save part of 28 tonnes CO₂e per year!

As we continue to grow as a business, **we promise to keep sustainability as a core value.** We are already planning how we might make our next site (when the time comes) as efficient, circular, and sustainable as possible.

Thanks for taking the time to follow our sustainability journey, from the whole team at Utopian Brewing Ltd.

Following in the footsteps of our good friend Eddie Gadd, we invested in a state-of-the-art Carbon Capture unit for our fermentation vessels. This will allow us to capture all the CO₂ emitted during the brewing process, that otherwise would've been emitted to the atmosphere, and **reuse** it to naturally carbonate our delicious beers. This will save us **at least 35 tonnes CO₂e per year!**

Similarly, we invested in a custom built, waste-water treatment plan, due to be installed on-site soon. This will allow us to treat and **recycle** 70% of our own water, as well as stop us having to tanker it away for treatment. Massively **improving the circularity** of our water's life!

We are also in the process of getting planning for on-site solar panels to **reduce our grid-electricity consumption.** This will save us money, increase the security of our business, and help us **reduce our emissions!**



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We are registered in England and Wales under company number 10772137 and have our registered office at 2nd Floor, 100 Cannon Street, London, EC4N 6EU.

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Carbon Footprint & Report created by Samuel Ticehurst, following BIER & GHG Protocol Guidance. Email samticehurst8@googlemail.com for information/verification.

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