

P.H. Hull & Sons Ltd are a waste and recycling company, servicing customers based across the UK. We predominantly work with food factories, supporting them to redistribute, reuse, recycle and recover their factory process residues. We aim for the best waste hierarchy outcomes whilst applying the proximity principle.

In 2020 we became a signatory of the Pledge to Net Zero, to show our commitment to reduce greenhouse gasses and take responsibility for our actions that affect the climate.

PLAN DO CHECK ACT – ISO 14001

We set our science-based targets last year and have incorporated the collation and reporting of these targets into our ISO 14001 management system. The ISO principles of plan do check act are helpful to review and critique how we are doing and where improvements are needed. They highlight quick wins, where we need the R&D industry to develop new technological innovations, and how we check and review them.

PLAN

As part of the planning process, we established our baseline year to enable science-based targets to be set.

We used the Absolute Contraction Approach to set our baseline year providing us with the following goals:

1. Reduce our Scope 1 and 2 emissions, forming of fleet, onsite plant and machinery and electricity usage to meet a reduction of 37.5% to below 299.72 tCO₂e by the end of our target year 2035
2. Reduce our Scope 3 emissions by 37.5% to below 423.99 tCO₂e by our target year of 2035

Our Scope 1,2 and 3 emissions have been collated for 2021 from data gathered across 01/01/2021-31/12/2021. This is our second year of reporting, and this annual time frame will set the parameters for future emission data collation.

UK Government Greenhouse Gas Reporting: Conversion Factors 2021 were used to establish tCO₂e for 2021. Our ongoing annual emissions inventory reporting will be undertaken following The Greenhouse Gas Protocol and UK Government conversion factors for the relevant year and energy source.

		Baseline year 01/04/2020-31/03/2021	2021
Scope 1	Company Owned Fleet	436.25	572.95
	Site plant	37.49	38.25
Scope 2	Electricity	5.81	5.69
Scope 3	Water use supply + treatment	0.12	0.31
	Staff Commute	24.89	23.52
	T&D of electricity	-	0.50
	Material use	-	32.25
	Out sourced activities	653.37	965.95
	Waste	-	6.21
Total tCO ₂ e		1,157.94	1,645.63

P.H. Hull & Sons tCO₂e Data for 2021

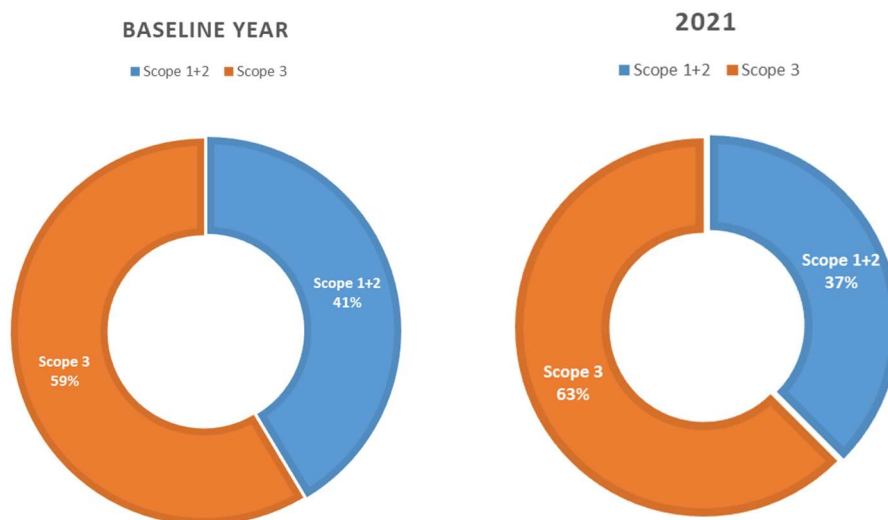
DO

In 2021 we have focussed on staff commute. We saw a significant reduction in emissions through supporting the purchase of an EV vehicle to our FD, who had the longest commute to work.

We predicted growth in 2021, and in fact P.H. Hull experienced an increase of 20% in activity throughout the year. As such, this has increased our emissions across Scope 1 and 3. Our ambition to supply a service adhering to proximity principles results in a significant part of our business being outsourced - 63% of our tCo2e falling within Scope 3 emissions in 2021(see below) is mostly attributed to third party mileage.

In addition to this, we have improved the capturing of transport mileage undertaken by our third-party suppliers and other contractors. We have still not captured all outsourced movements, but have identified areas for further improvements in emissions recording in 2022

As we become more adept at reporting our Scope 3 inputs, we expect further increase in the short term, of these emissions. However, by widening the remit of our Scope 3 emissions we hope to have a greater impact on reducing tCO2e across our sector and raise awareness throughout our supply chain.



Changes in breakdown of Scope1+2, and 3 emissions

By improving reporting of mileage, capacity of loads, vehicles used, and materials used within the day to day running of onsite operations, we will be on track to make greater tCO2e reductions in future reporting years.

CHECK

We will annually review the following:

- Third party collections
- Energy use
- Water consumption
- New resources – IT, stationery, electricals, tyres and parts, PPE, fleet, plant
- Diesel used by fleet and onsite plant
- Waste
- Staff commute

In addition to this, we will regularly check the Govt. conversion factors for further areas that need to be included. We attend SocEnv, IEMA and other webinars provided on Net Zero reporting and listen to other signatories for feedback and good practice.

Our ISO 14001 management review meetings enable regular reflection on the targets set and provide leadership commitment to support and facilitate reductions through top down communication, financial support and company wide policies.

ACT

Our goal for 2022 is to further develop our reporting mechanisms to ensure we capture all emissions. Again, this will have the potential impact of increasing our captured emission levels, but once the system is fine tuned, it will support accurate reporting and show realtime opportunities for improvements.

Office energy outputs and water consumption will be a fast win and given the rising costs in the energy markets, the financial benefits also encourage engagement.

Improvements in recycling within the offices and on site areas can be assessed with more education and emphasis on recycling to reduce emissions from waste.

Using the correct means of communication to staff to support progress around energy and waste is key to making these improvements.

Greater monitoring of new technological developments that support GHG reductions is required and needs tracking carefully to assess if any long term gains can be made from investing in these new technologies over the next year or if there is definite potential further down the line.