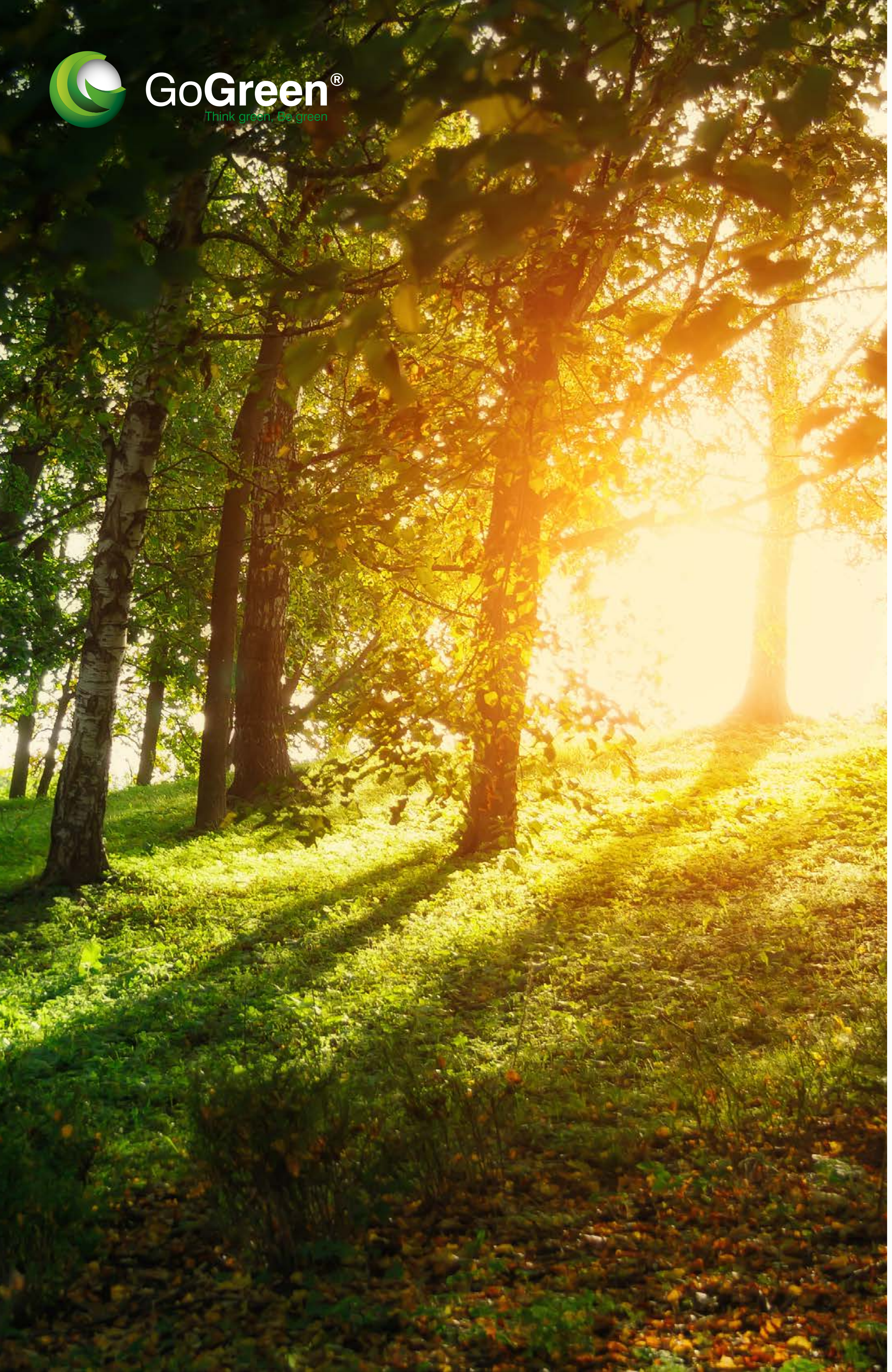
GoGreen®
Think green, Be green

PATHWAY

NET ZERO REPORT | 2023



Inside this report

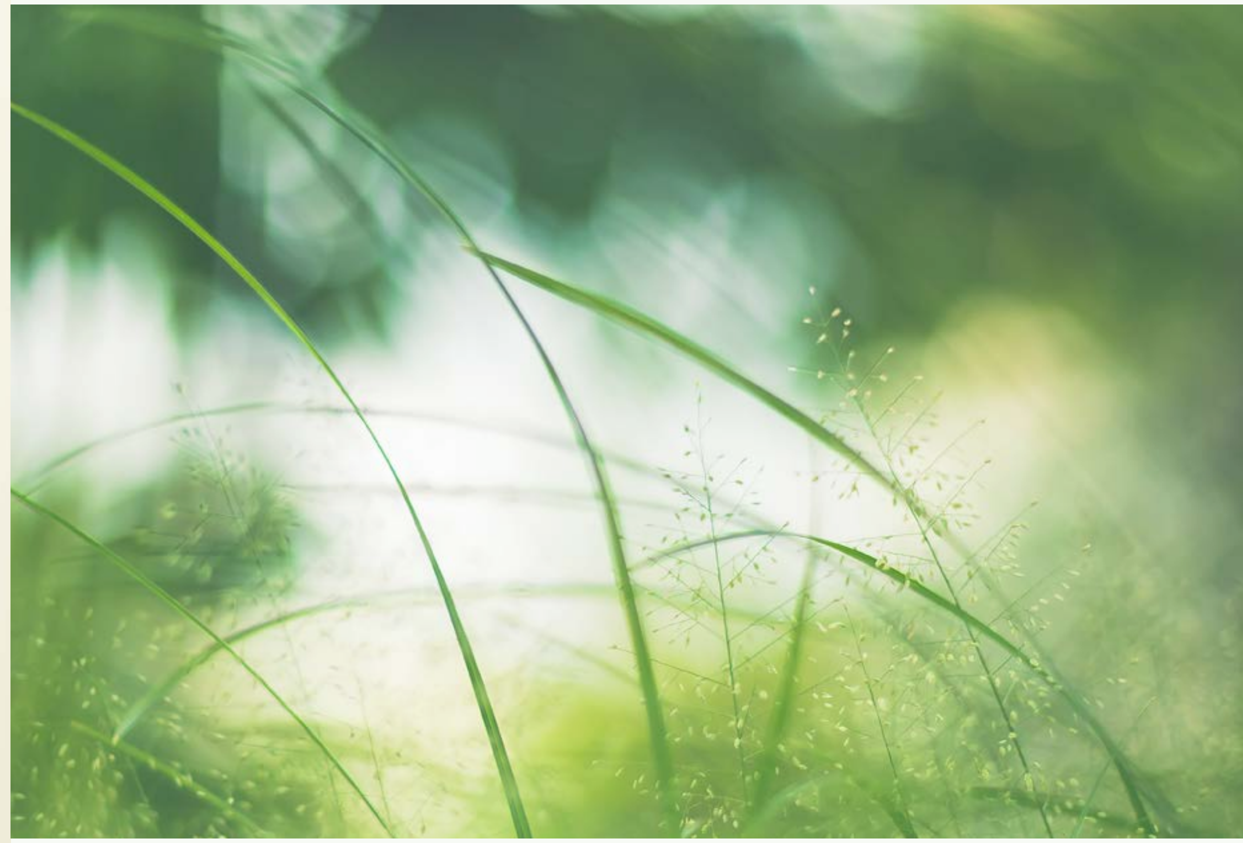
Welcome Message

Go Green was founded on environmental responsibility; over the last two decades we have strived to show continuous improvement on mitigating our negative impact both through our direct business operations, and in partnership with our stakeholders. In recent years, the expectations of carbon reporting have vastly evolved; to continue aligning with best practise expectations, it has been crucial for us dedicate time into reviewing our existing targets and reporting methods, whilst also implementing third party validation to present credence in the data we publish.

We are thrilled to share our revised Net Zero target and our strategic route to achieve that goal, alongside our existing progress and commitments to sustainable development. I hope this report shows the level of ambition Go Green holds, despite operating as an SME, to contribute to a more sustainable world, and evidence that with transparent and honest information.

S Barnett

Sabrina Barnett
Head of Sustainability



Our Commitments

Go Green have made the following carbon reduction commitments:

Near Term Target: Go Green commit to reduce our Scope 1 and Scope 2 GHG emissions by 50% by 2030, from a 2018 base year. Alongside this, we will measure and reduce our Scope 3 emissions.

Net Zero Target: Go Green commit to reduce our Scope 1, Scope 2, and Scope 3 GHG emissions by 90% by 2048, from a 2018 base year.

These targets have been validated by the Science Based Targets Initiative to demonstrate our commitment to our Net Zero Pathway and hold ourselves accountable.

In addition to this:

Go Green will offset all our residual emissions, dating back to our 2018 baseline year.

Go Green will publish annual carbon emissions inventories to show transparency with our target progress.

SCIENCE BASED TARGETS
DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

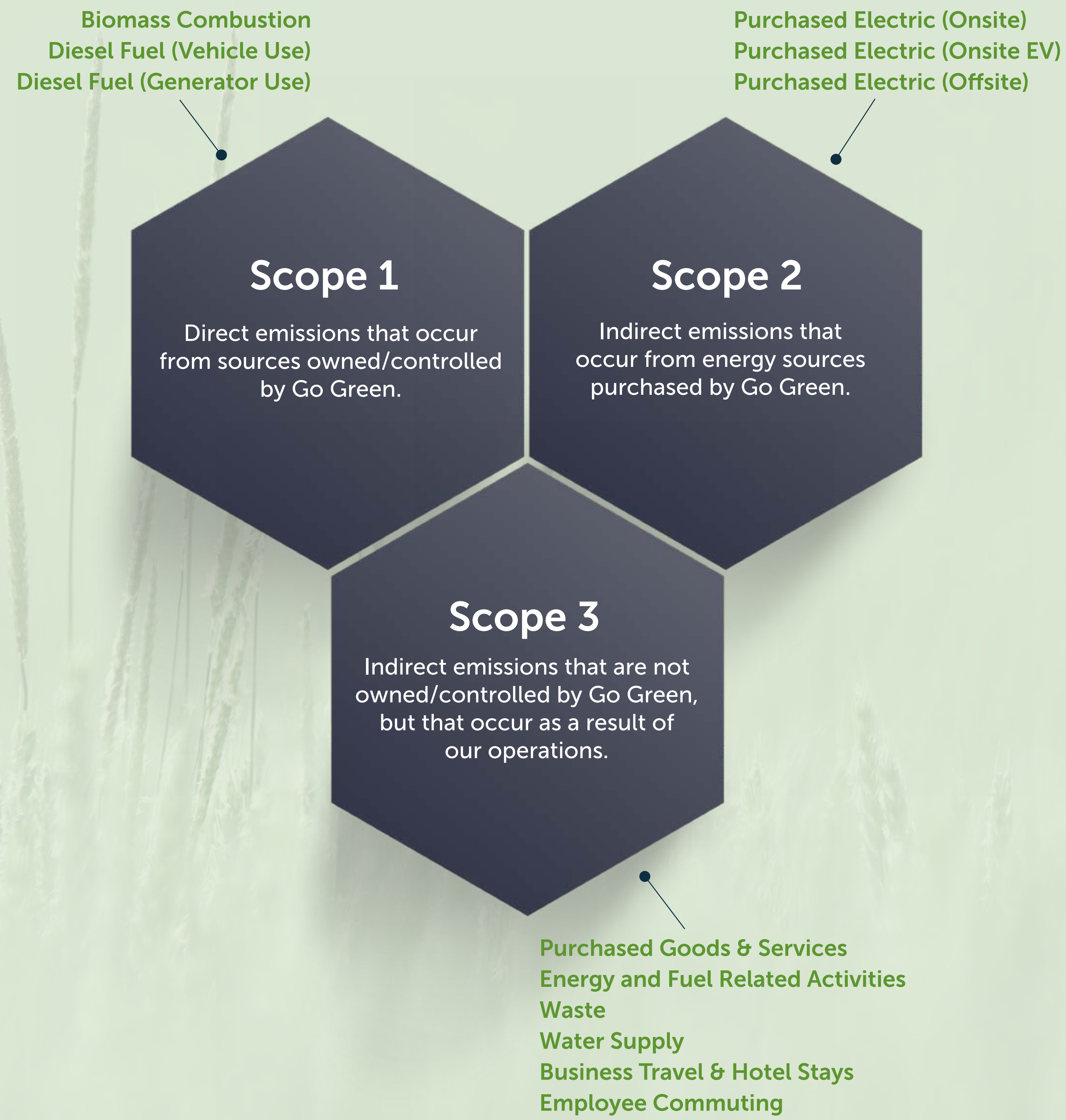
OUR FOOTPRINT

Emissions Summary

Identifying our emissions summary provides a clear picture of relevant sources within our reporting.

In line with SBTi expectations, our reporting and target setting includes Scopes 1, 2 and 3 emissions. Within the scopes, each category follows the guidelines as set out in the GHG Protocol Corporate Standard to provide a true and fair account of our emissions total.

To gain accurate calculations for our emissions, activity-based data has been used for all Scope 1 and 2 emissions. Where possible, our Scope 3 data has also been calculated using activity-based data, with the spend-based method only being used where more precise data was not available. Alongside our reduction targets, our pathway also aims to show improvement of the accuracy of the data we collate.



Baseline & Significant Contributors

Calculating an accurate baseline year has provided us a reference point, against which future emissions and our reduction can be measured against.

Go Green have identified 2018 as our baseline year, due to the relevant resources we had implemented to track accurate data for our emissions sources systematically. With 2018 falling prior to the pandemic, it was unaffected by an uncertain climate and therefore provides a more comprehensive view of our activities.

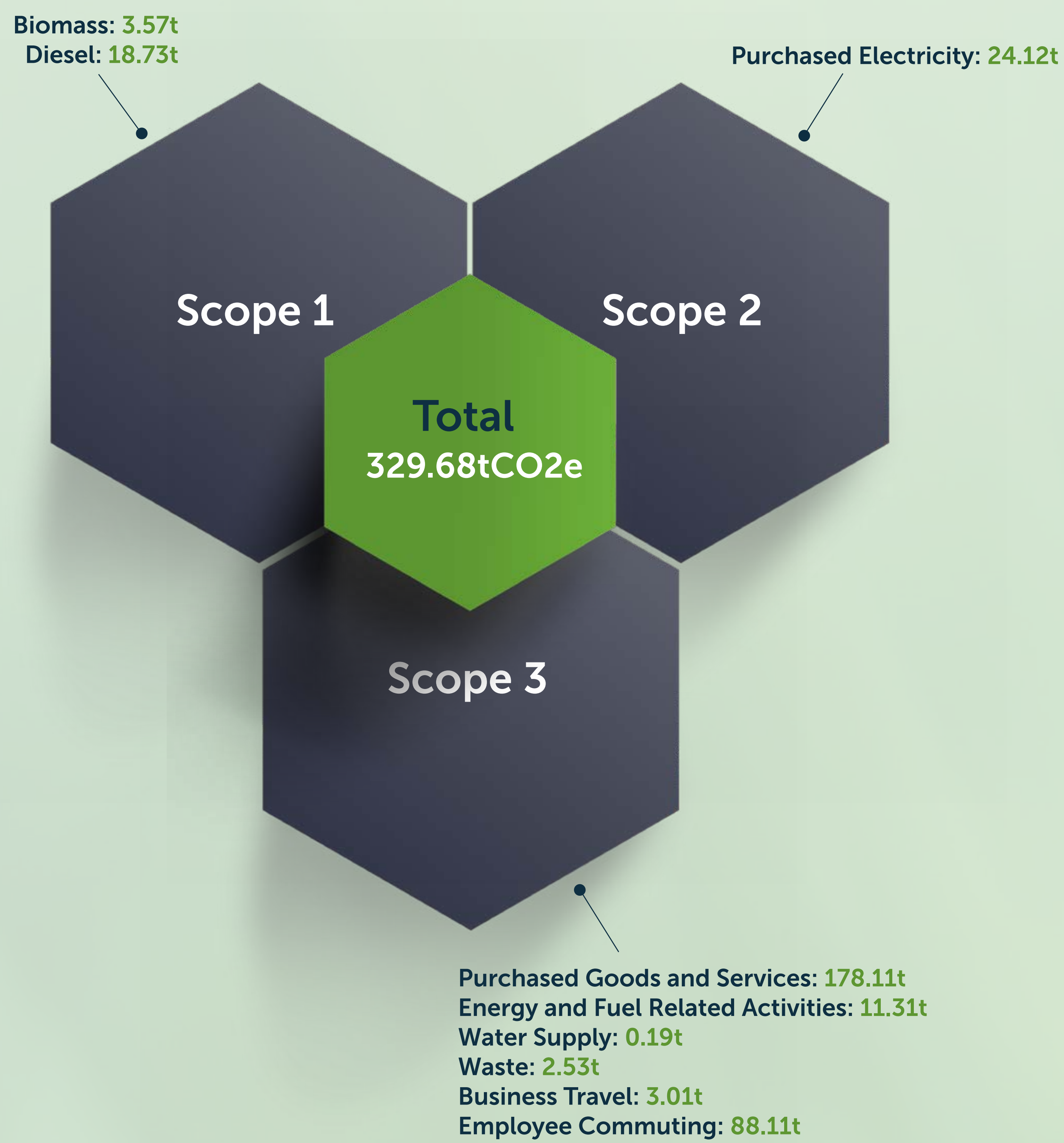
Our carbon inventory for 2018 has been submitted to the Science Based Targets Initiative as part of our validation progress and was approved in December 2023.

Significant Contributors

Within our Scope 1 and 2 emissions, Purchased Electricity and Diesel used for company owned vehicles were identified as the highest contributors to our footprint.

Within Scope 3, both Purchased Goods and Services and Employee Commuting contribute significantly to our total emissions.

By identifying our most significant negative impact within our baseline year, it has allowed us to focus efforts on where we can achieve the biggest reduction early within our Net Zero journey.



REDUCTION OPPORTUNITIES

Our Reduction Pathway

2018

Our baseline year. With reliable reporting methods on all our emission sources, this year serves as the benchmark for us to reduce our impact upon. We are responsible for a Scope 1 & 2 footprint of 46.42tCO_2e and a total footprint of 329.68tCO_2e.

2019

Initial investment into an EV vehicle saw early reductions in our Scope 1 footprint. We transitioned to biomass pellets in order to use our on-site biomass boiler more efficiently.

2022

With operations returning to normal following COVID, we saw a true reflection of our footprint after significant investment in both electric vehicles and on-site solar, alongside our office expansion.

2023

Reviewing our carbon strategy, we were able to gain a full emissions figure including our Scope 3 footprint. This has allowed us to verify our reduction targets with SBTi, setting an approved Near Term and Net Zero target.

2024

We will remove the final diesel vehicle from our fleet, eliminating diesel from our Scope 1 footprint. Efficiencies to the lighting within the office will see additional Scope 2 reductions. Go Green will achieve an ISO14064 certification for our 2018, verifying our carbon reporting methods.

2025

We will carry out an on-site energy audit with an external body, to identify where we can improve insulation throughout the building to establish energy efficiencies. Continuous employee commuting surveys will allow us to demonstrate more granular Scope 3 reporting and see the introduction of an Employee Commuting Strategy.

2026

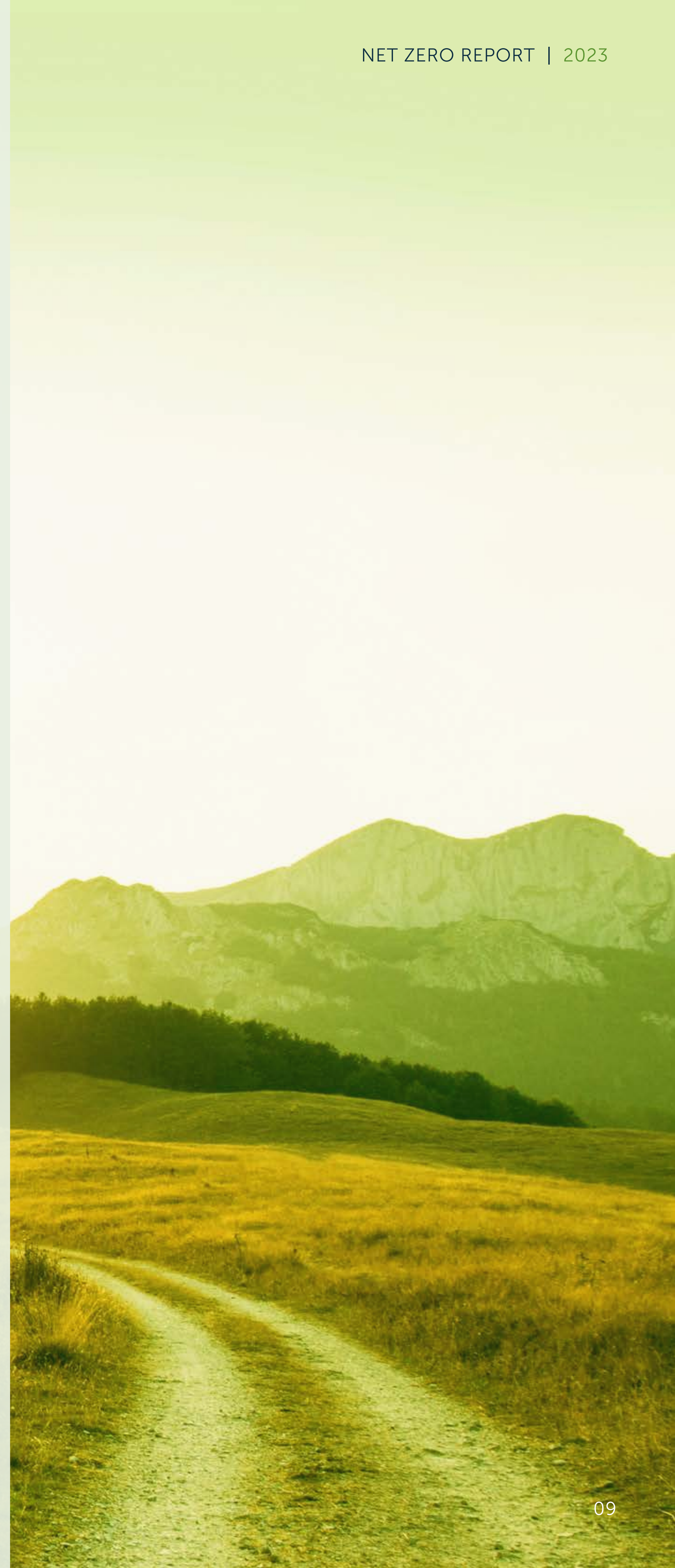
Implementation of solar battery storage will allow us to better utilise our on-site energy generation, reducing our reliability on purchased electric consumption. Working with our supply chain we will identify our top 10 suppliers, by footprint, and create a strategic action plan to improve carbon data from this.

2028

With decarbonisation of the grid improving, the conversion factors that reflect Scope 2 will also progress; this will see our infrastructure investments, in years previous, showing benefit in our footprint numbers.

2030

We will have a Scope 1 & 2 footprint of 23.21tCO_2e, in line with our Near Term objective. We will release an updated Net Zero Pathway defining our strategy on maintaining these figures as our company growth continues. This is alongside outlining our objectives for 2030-2048 to achieve our Net Zero target.



Scope 1

We're Already Taking Action

Together, our Scope 1 emissions contributed 22.30tCO_2e of our total 2018 footprint. Whilst this is only 6.76% of our baseline emissions total, the sources within Scope 1 are within our control to improve.

Diesel Cars

7,131ltr Baseline year usage

Diesel used in our company vehicles is the key contributor to our Scope 1 emissions. Whilst reducing the impact from travel is essential within our reduction journey, we will not compromise our commitment to delivering a high-level of customer satisfaction and compliance through both site and supplier facility visits.

Since 2018, substantial effort has been made to switch from ICE vehicles to an electric fleet. Starting with a fleet of our four diesel vehicles, we have already reduced that down to just one, replacing them with fully electric models. In addition to these replacements, and to complement our business growth, over the last 5 years, we have invested in a further 12 vehicles over the years, these have also all been fully electric models.

Looking Forward

As part of Go Green's 2024 Environmental Objectives, we have committed to replacing our final diesel company vehicle by the end of 2024. This means we will operate utilising a fully electric fleet, and therefore eliminating diesel from vehicles from our carbon footprint entirely.

Diesel Reduction

18.73
tCO_2e in 2018

1.85
tCO_2e in 2023

Zero
tCO_2e by 2025

Wood Chip

62.72t Baseline year usage

Our biomass boiler installed in 2015, is responsible for the heating of our head office site. Powered by wood chip in 2018, our baseline emissions count for 16% of our Scope 1 footprint. Despite increasing the floorspace of our building by 25% since our baseline year due to headcount growth to date, we have achieved an emissions reduction from biomass to 2.81tCO_2e. This was achieved through strategically improving the efficiency of how we use the boiler, alongside swapping from wood chip to wood pellets in 2019 due to their improved burning rate.

Looking Forward

As part of our Near Term objectives, it is crucial that we operate our biomass boiler to its optimal efficiency, with minimal loss of energy. In 2025, working alongside our local authority, we aim to complete an energy audit of our head office to identify any opportunities for insulation in older areas of the building. This will allow us to better retain heat generated from the boiler, and further reduce its use throughout the year.

Diesel Generator

Our diesel back-up generator also falls under our Scope 1 emissions; however, with minimal use and emissions, it is insignificant when looking at a reduction plan.

Biomass Reduction

3.57
tCO_2e in 2018

2.81
tCO_2e in 2023

2.50
tCO_2e by 2025

Scope 2

In 2018 purchased electric contributed to 52% of our baseline Scope 1 and 2 emissions, and 7.32% of our total footprint. As we have continued to make reductions to our Scope 1 diesel consumption, alongside our investment into an electric fleet due to organic business growth, our purchased electric emissions have year-on-year become a larger overall percentage of our emissions.

Investment in Clean Energy

In 2011 we first invested into solar energy at our head office site, to allow us to generate a proportion of our electricity requirements. With initial use of the solar generated supporting the office electric consumption, as we began to invest in electric vehicles, the solar energy created was crucial to contributing towards the running of the fleet.

In June 2022, we expanded our solar capacity, investing in a 35kWp array to accommodate our increased business operations both in office and through our fleet. This investment has been invaluable to our carbon reduction strategy, alongside aligning with our objectives to transition to greener operations. This has been paired with efficiencies that have been implemented within the building such as LED timed lighting and transitioning our electrical equipment to lower consumption alternatives.

A Decarbonised Grid

Despite having to report our carbon for our purchased electric as the UK. average mix, in 2018 we made the shift to a 100% renewable energy supplier, and whilst this does not reflect in our reporting statistics, having influence on the demand required is important to do.

Solar Generated

2018
2,842kWh generated

2022
12,044kWh generated

2023
21,669kWh generated

Transitioning our Fleet

In 2018, our fleet consisted of four diesel vehicles, used to carry out both supplier inspections and customer site visits to support with best practise waste set-up. With the aim to transition to a fully electric fleet, we purchased our first electric vehicle in 2019, and have since continued to invest in electric vehicles as our business operations have grown. Whilst our use of electric vehicles currently contributes 58.62% of our Scope 2 emissions, our investment into generating our own electric has supported minimising the footprint from this shift.

Looking Forward

With a long-term financial strategy of 15% year-on-year growth, we are aware that our operational requirements will naturally increase our consumption of electric, therefore additional investment into generation of our own electric is vital to further reduce and maintain a lower Scope 2 footprint. Whilst still assessing the most effective way to implement this, our considerations include:

- Installation of solar car ports at our head office to aid in operating a fully electric and, ever-expanding, fleet of vehicles.
- Investment into an on-site wind turbine to 'fill the gaps' of generating electric through nighttime hours and winter months, where solar energy is less effective.
- On-site battery storage to better utilise and improve self-sufficiency of generated electricity where it is otherwise being directed back into the grid.

Scope 3

Purchased Goods and Services

Purchased Goods and Services contributes to 63% of our Scope 3 footprint and is the most significant contributor. Our business operations mean that we do not buy singular material sources in bulk, and rather have a predominant need for office-based consumables. This has meant that there are no large quantities of materials we can make quick improvements on, alongside the quality of the data being calculated through the spend-based method. Despite this it is still fundamental, as part of our reduction journey, that we work alongside our chosen supply chain partners to find more sustainable solutions and refine the suppliers that we utilise to improve the carbon performance from this category of emissions.

Whilst Scope 3 categories present more difficult action plans for reductions, our initial objective to reduce purchased goods and services emissions is:

To identify our top ten supply chain partners by carbon intensity and create a corresponding action plan to work with these suppliers. The aim of this plan will be to gain more granular data to move us away from spend based data, alternative product options and, if necessary, transition away from suppliers that are unable to meet the requirements of our Sustainable Procurement Policy.

63%
Purchased Goods & Services Contribution

283.26
tCO_2e Baseline Year Scope 3 Emissions

Click here to view our Sustainable Procurement Policy

When looking at our Scope 3 we have 6 categories that fall under our responsibility:

Whilst reporting against all of the above emissions, there are two main categories that make up the largest contribution to our Scope 3, and total, footprint, and are therefore where we must direct our immediate attention towards.

Employee Commuting

As the business has continued to perform against the year-on-year business growth plans, we have seen our headcount increase accordingly, having an impact on the emissions created through employee commuting. With our footprint for employee commuting in our baseline year standing at 88.11tCO_2e, and a steady increase on that figure across the last five years, it is essential that we begin to mitigate this impact to reach the Net Zero targets we have made.

We are already carrying out quarterly Employee Commuting Surveys within the business to ensure we have accurate data of the commuting impact. We guarantee that it will reflect regular changes in the business, such as recruiting talent from a wider location base to encourage remote working roles.

In Q1 of 2025, we will implement an Employee Commuting Strategy, to reduce the footprint from this emission source, and develop a holistic approach towards mitigating impact whilst delivering against business expectations and requirements. The strategy will consider increasing the number of home working opportunities within the business, and initiatives to promote employee car sharing and walk-to-work schemes.

Remaining Emmisions

Whilst the remaining categories of Scope 3 are being comprehensively measured and recorded, due to the small contribution they have both within this scope and within our total emissions, we will review our objectives towards these emissions as we make progress in the areas that have the current biggest impact towards our carbon inventory.

Balancing our Impact

In line with our commitment to SBTi, Go Green will offset all our residual emissions. Though our Science-Based Target commitment sets out an expectation to offset our residual emissions at our Net Zero year, we are committed to offsetting our emissions dating back to 2018.

This strategy allows us to mitigate our impact from the full duration of our carbon reduction journey, allowing us to claim carbon neutral status retrospectively. This ensures that our attention and financial investment, between now and 2048, is wholly on carbon reductions in line with our pathway objective and not distracted with offsetting, which can be where businesses wrongly address their priorities.

“Through this project, Go Green will demonstrate the vast benefits of converting low-value land into habitat banks which will help nature to thrive. We are proud to partner with Go Green on this work and we are excited to embark on the next stages of this project over the coming months”

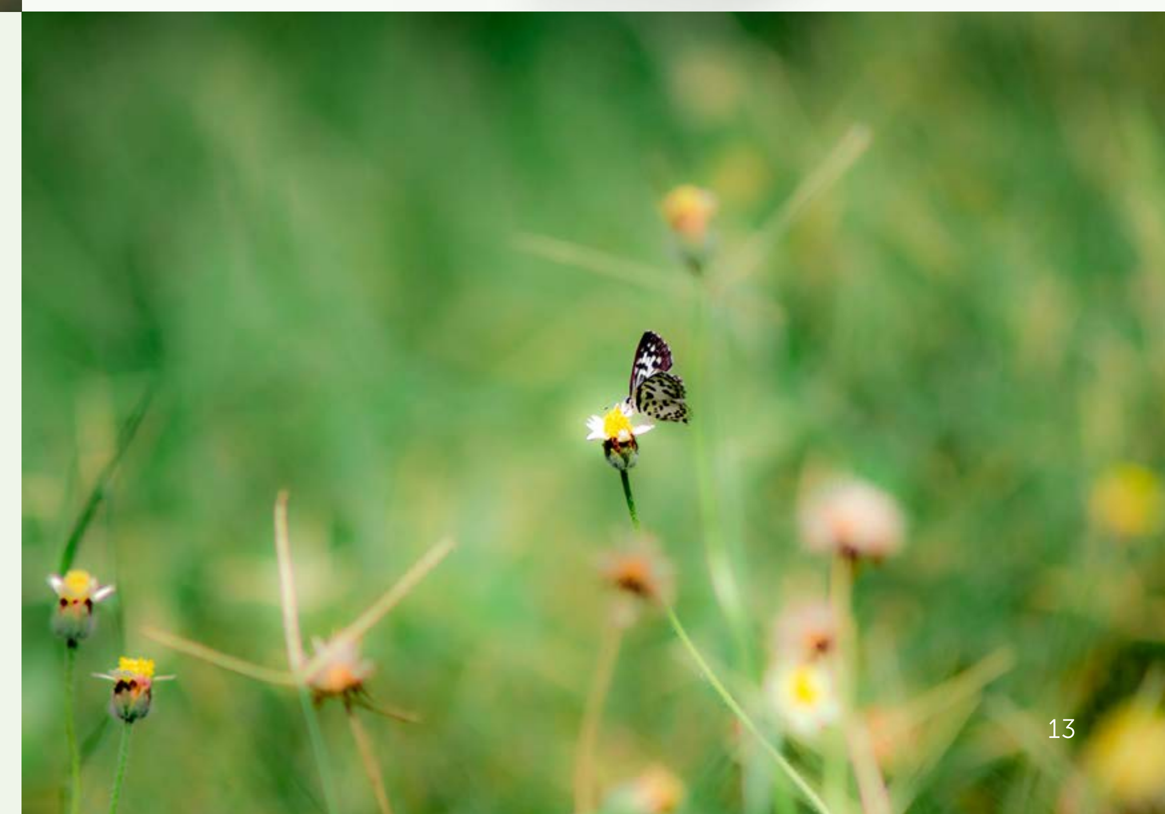
Laura Saunders
Biodiversity Advisor,
Tomson Consulting

TomsonConsulting

Project GROWW Green

Project GROWW Green was first established in 2022 when we purchased 60 acres of land, 6km from our Head Office in Doncaster, for the sole purpose of environmental conservation. Since then, we have invested time and external resource into understanding the current condition of the parcels of land. In 2023, partnering with a local consultation company, we carried out ecological surveys allowing us to now develop enhancement plans for the land. Our priorities throughout the land design are to meet the needs of our own objectives in line with our carbon reduction plans, whilst ensuring we align with local authority sustainability strategies.

Whilst we are still in the process of the new land design, we have committed to using a portion of the land to develop our own accredited woodland creation. This will allow us to offset our residual emissions, as per our Net Zero Strategy, in a way that is local to our operations, and gives us complete control and transparency over the offset creation.



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CONCLUSION

Our 3-Year Objectives

Publishing carbon reduction targets is a significant commitment and therefore it is paramount that we map out actionable, short-term objectives to maintain confidence in the pathway we have established. Over the next three years we have strategically laid out goals that will support our Scope 1 and 2 reduction requirements, externally validate our data, and begin to understand Scope 3 reduction priorities.

Whilst our 3-year objectives are a starting point for our pathway actions, we will review these periodically and continue to set further objectives that will ensure we reach both our Near Term Scope 1 and 2 target, alongside our Net Zero target.

2024

- Remove the final ICE vehicle from our company fleet by Q1: to eliminate diesel for vehicle use from our emission sources.
- Improve lighting efficiencies within the Go Green office by Q2: to reduce the requirement of purchased electric for our operations.
- Achieve the ISO14064 certification by Q3: to verify our reporting methods for our 2018 baseline year.
- Achieve Ecovadis certification by Q4: to further validate our carbon reporting commitments.

2025

- Implement an Employee Commuting Strategy in Q1: to reduce the footprint from this emission source and develop a holistic approach towards mitigating impact, whilst delivering against business expectations and requirements.
- Conduct an energy audit at our head office by Q3: to identify areas of our building that would benefit from additional insulation to improve efficiency of our biomass boiler.
- Establish environmental related objectives within employee performance appraisals by the end of Q4: to enhance the governance of our Net Zero objectives throughout the business.

2026

- By the end of Q4, endeavour to install on-site battery storage. This will enable us to utilise excess solar generation from off-peak hours and weekends, to support in Scope 2 emission reductions from purchased electricity.
- Throughout 2026, identify our top 10 carbon intense suppliers from head office products and services, and create a supporting action plan to reduce these emissions in line with our sustainable procurement policy.

Closing Thoughts

Go Green has always held environmental stewardship within the core fundamentals of our identity, and in more recent years, our carbon performance has been a considerable part of this vision. This report signifies our firm commitment to reducing our carbon impact whilst highlighting complete transparency in our progress, and our review process, which in turn has driven us to amend our initial Net Zero targets.

Building on the momentum of our progress since 2018, our objectives for the next three years will see us move closer towards our 2030 Near Term target year, and achieve our aim to run a fully electric fleet of vehicles whilst reducing our reliance on the grid. Looking further ahead, we have established a solid baseline of our Scope 3 emissions which puts us in a strong position to long-term reduction targets against these individual emission categories.

With a more robust strategy in place, we feel confident in the path we can forge to continue our projected business growth, whilst reducing our environmental impact and exemplifying the sustainable reputation we have worked hard to solidify.

Roger Wells
Managing Director

APPENDIX

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