

SUSTAINABILITY

Update

Welcome to the fifth issue of our Sustainability Newsletter, bringing you sustainability highlights from across the business.

May 2022



Send your highlights
for future issues to
sustainability@lovell.co.uk

Image courtesy of Think Hire Limited

LOVELL

A MORGAN SINDALL GROUP COMPANY

2021 Carbon Emissions

In 2021 we saw a 2,258 tCO₂e reduction in our GHG emissions against our 2019 baseline. This reduction over the course of the last 3 years is the result of our commitment to being a responsible business. By embedding our five Total Commitments throughout our entire life cycle, we have continued to make improvements year on year as we work towards a net-zero carbon future.

At the start of 2021, we introduced new Science Based Targets (SBT's) that better represent our aim to reduce our environmental, social, and economic impact. Having made impressive inroads into our original SBT's, these new targets set the challenge of a 30% reduction by 2025 across Scope 1 & 2 emissions, with the same expected across our Scope 3 emissions. As a business, we have produced a steady reduction across the entire scope of our emissions. However, the challenge now is to continue reducing our impact as we grow and expand.

Scope 1 and 2

30% reduction by 2025 based on a 2019 baseline year and a 60% reduction by 2030 based on a 2019 baseline year.

- Specific target for emissions from vehicle fleet to be reduced by 30% by 2025 based on a 2019 baseline year and a 60% reduction by 2030 based on a 2019 baseline year.

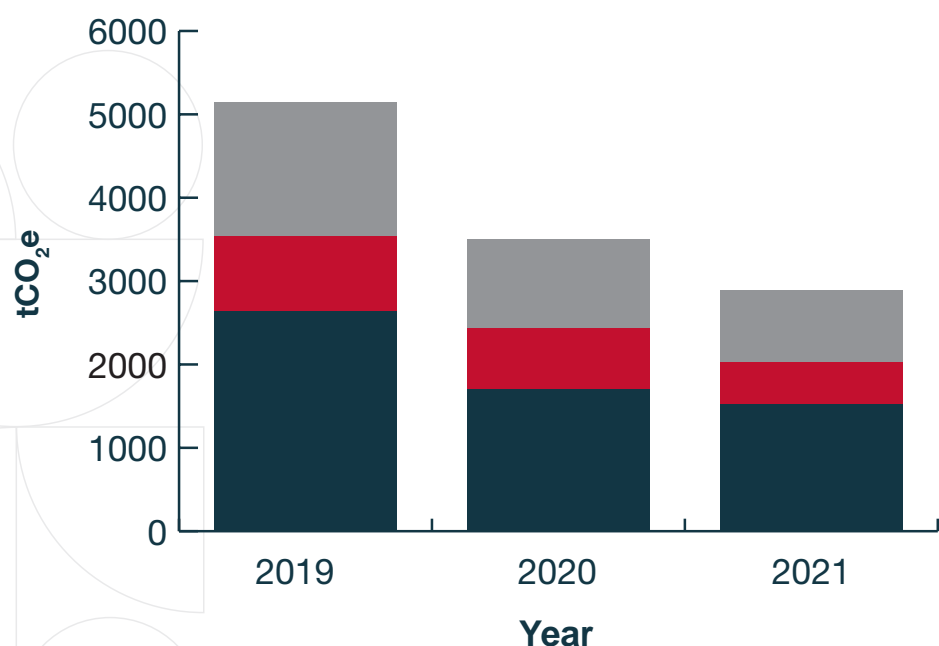
Scope 3

30% reduction by 2025 based on a 2019 baseline year and a 60% reduction by 2030 based on a 2019 baseline year.



30%
by 2025

Scope 1
2019: 2,637
2020: 1,701
2021: 1,520
Scope 2
2019: 903
2020: 738
2021: 505
Scope 3
2019: 1,604
2020: 1,066
2021: 861



One of the main contributors to our significant reduction has been the utilisation of HVO across the latter half of 2021 and the beginning of 2022. Despite facing challenges in supply, the uptake of the renewable diesel alternative resulted in a saving of 1,015 tCO₂e in 2021, and we hope to see an even bigger saving in 2022.

Fleet and business travel have continued to be significant contributors to our absolute emissions. An initial reduction in company car emissions (Scope 1) can be linked to the decision to add electric vehicles to the

company car list. The reduction was then furthered by the impact of the pandemic, as we began flexible working and had no choice but to become well versed on Teams. Our overall mileage decreased due to us simply travelling less. However, despite the anomaly, we have still managed to reduce our Scope 1 and Scope 3 mileage emissions against the previous year, by encouraging lower emission vehicles and ensuring travel is only taken when necessary.

We have also been able to see significant reductions in electricity consumption.

Group are also committed to ensuring that 100% of our energy requirements are procured through renewably certified sources, so it is expected that all temporary building supplies are fully certified renewable energy via our energy broker (UPA).



Waste



Reducing the excess consumption and disposal of materials is not only an ongoing task for Lovell but for the entire construction industry. In 2018 Construction, Demolition, and Excavation waste generated about 62% of the UK's total waste.*

Last year we produced approximately 97,000 tonnes of waste and although we have an approximated landfill diversion rate of 99% not all of our diverted waste is recycled or reused and despite its small contribution to our absolute emissions, it still remains a

huge part of our environmental impact.

The most important thing we can do is reduce the volume of materials we are discarding, especially given the increasing costs of the products we buy. The responsibility falls on all of us

to reduce our consumption. Remember:

- Choose your materials carefully
- Order the correct amount
- Ensure goods are stored appropriately
- Reuse any additional materials where possible



Recent site visits, however, have displayed that we need to continue to prioritize our Waste Strategy and manage our approach to waste through:

- Clear signage
- Segregation
- Material Management
- Use of tipping skips close to plots

*https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/1002246/UK_stats_on_waste_statistical_notice_July2021_accessible_FINAL.pdf

Community Wood Recycling (CWR)

Over the years our work with Community Wood Recycling has helped us to continue to divert wood waste for reuse and recycling.

By collecting wood waste, CWR can maintain stock at their network of reclaimed timber stores, produce and sell a range of wooden products and help to fight unemployment by giving workplace opportunities to disadvantaged people.

We continue to work with CWR on many of our sites and in Eastern we have been successful in receiving two 10-tonne certificates, meaning that over 20 tonnes of timber have been successfully diverted for reuse and recycling, whilst creating jobs and providing training for those struggling to find employment.



Pallet Loop

Morgan Sindall Group has recently partnered with The Pallet Loop to help contribute significantly to carbon emissions and materials reduction.

As pallets contribute up to 10% of the construction industry's waste stream, Pallet Loop has recognised how a circular economy can help to cut the consumption of timber for pallet production by manufacturing stronger pallets for use in a deposit-based collection service. This will allow Pallet Loop to successfully reduce waste of one of the most common items within the industry.

Prior to the roll out of stronger pallets, a collection service in which Pallet Loop collect and repair pallets for reuse, has been set up. This service has been available through Coins for a couple of months, and we have seen some of our sites starting to utilise the collection service. Feedback has been positive with sites stating that the service is efficient, with collections expected within 72 hours of order.

We expect to see more of our sites utilising the collection service in the coming months.

Morgan Sindall Woodlands

In March, Lovell employees were given the opportunity to explore the grounds of the 138-hectare Morgan Sindall Woodlands at Blenheim estate.

The day began at the Forest school, where employees were given a guided tour of part of the site and were able to learn more about the positive impacts of the project.

Together, Blenheim Estate and Morgan Sindall Group have carefully considered every individual aspect to ensure that each stakeholder can explore, enjoy and utilise the woodlands for years to come.

The forest boasts 28 carefully selected varieties of trees which

Employees got stuck in, by helping to plant a handful of the 270,000 trees that will span across the 9 woodlands.

are all fitted with biodegradable tree guards. The woodlands will of course also act as a carbon sink, sequestering 22,000 tCO₂e over the next 25 years, as well as improving the biodiversity, and quality of soil, air, and water within Oxfordshire.

Employees got stuck in, by helping to plant a handful of the 270,000 trees that will span across the 9 woodlands. They selected from several species including French alders and the saplings of 1,000-year-old Oak trees that can already be found on the estate. The team managed to plant a fair few trees before heading off to Blenheim Palace for a visit to the house and gardens. The day was capped off with a wonderful lunch at the Orangery and each volunteer received an Annual pass to Blenheim Palace.





Solartainer Trial

In our efforts to find more sustainable solutions to off-grid power, we previously trialled the Solartainer on a couple of sites to understand how we can successfully utilise the technology.

The Solartainer from ThinkHire demonstrated its ability to produce a substantial carbon emission saving whilst contributing to a quieter environment with improved air quality, often at a cheaper total cost in comparison to a standard generator.

Following on from our previous case studies on the Solartainer, the product has been used at our Drummond Park site from October to January. This 4-month trial has allowed for a more in-depth analysis of how the Solartainer performs, especially in the months with the least amounts of sunlight.

Over the course of 101 days the Solartainer allowed for a decrease in generator run time by 67% which resulted in a 1.7 tCO₂e saving over this period. With rising fuel costs, the increased rental cost of the Solartainer still provides a substantial saving due to the limited amount of fuel required for back up purposes. All



of this comes with the Solartainer operating in its least impactful months. It can be expected that the generator run time would decrease during the lighter periods of the year, leading to reduced fuel costs and a greater CO₂e saving.

As we work towards our 2030 net-zero target, utilising technologies such as these are just some of the steps we can take in reducing our emissions and financial costs on site. Drummond Park has since begun to trial the 2NR X45 + GEN, battery generator hybrid from ThinkHire and we look forward to seeing how it performs.

London Clay Donation



121

COLLECTIVE

to help and upon passing contamination checks two large-sized machine buckets of clay were donated. This first donation was used to build a clay pizza oven at The Farm of Futures (a community farm and making space at the Tolworth Main Allotments) and the 2nd year Architecture students used it to understand the process of clay from how it's sourced, to how it is transformed into a building material.

Following the success of the first donation, 121 Collective reached out again and we organised a second collection. This time 20 bucket loads of clay were donated and the clay was processed by the students to be used as part of a community tile-making workshop at Tolworth Market, organised by The Community Brain, whom 121 actively work alongside to deliver community-led projects within Tolworth.

In London the team was approached by 121 Collective, an Architectural Design & Make Studio made up of Kingston University alumni, some of whom are currently in teaching positions at the University's Department of Architecture and Landscape.

121 Collective run various workshops and courses and were looking for a source of clay

from a local construction site for both educational and recreational use. We were of course happy

To feature your region in a future issue of our Sustainability Update, please email your stories and photos to sustainability@lovell.co.uk. That way, we can share your highlights and achievements with the other regions too.

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