

2023

Economy. Environment. Community.

Our sustainable journey so far...



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Foreword

Contributor: Craig Gibson, Head of Operations & Sustainability, McLaren Packaging

Much has happened in the world since we first started considering our environmental impact and how to reduce it in 2021. COP26 took place in our own backyard later that year with a further COP in Egypt late in 2022. Through those conferences progress was made in agreeing to phase down the use of coal, halt deforestation and the pledging of funding for climate change related damage to the developing world. Despite these promising developments critics claim that “action across all sectors must accelerate dramatically to limit warming to 1.5°C”

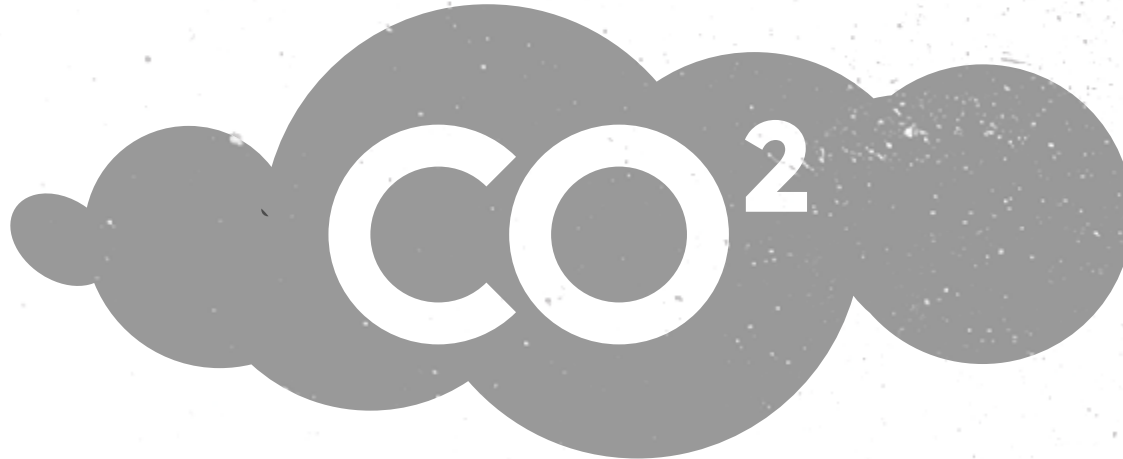
[Climate Action Tracker], the temperature rise below which the worst effects of climate change would be avoided. Indeed, a report this year said there is a 66% chance that we will see warming of 1.5°C by 2027.

International focus on climate change has been diverted by Russia’s ongoing invasion of Ukraine. This has both created an energy-price fuelled inflation crisis highlighting our over reliance on fossil fuels and created a need to provide shelter for millions of refugees fleeing the conflict.

Within the drinks packaging sector we are starting to see an acceleration of sustainability related initiatives. In the past year announcements have been made regarding commercial trials of carbon-free hydrogen replacing natural gas in the manufacture of glass bottles, paper, and the distillation of whisky.

“action across all sectors must accelerate dramatically to limit warming to 1.5°C”

[Climate Action Tracker]



Scientists consider 1.5°C of warming as a key tipping point, beyond which the chances of extreme flooding, drought, wildfires and food shortages could increase dramatically.



Diageo and Pernod Ricard, the two largest spirit manufacturers in the world, have also announced a shift from the use of decorative gift cartons for their blended whisky ranges, in part, to reduce the environmental impact of their packaging.

Despite some high-profile last minute delays, key pieces of environmental legislation are slated to come into force in the next 12-24 months.

- Extended Producer Responsibility (EPR) scheme to improve recycling rates and push the costs of material recovery onto brand owners in the UK;
- Deposit Return Scheme in Scotland also aimed at improving recycling rates of bottles.

Although targeted differently, both schemes are focussed on reducing the amount of packaging that goes into general waste, or worse, ends up as litter. It is evident that well designed, recyclable packaging will be key to complying with the upcoming regulation.

These recent events have only strengthened our belief that improving the sustainability of our packaging should be at the heart of everything we do and that we have the correct strategy. Our focus on reducing waste material and energy use, the embracing of circularity in product design through use of recycled materials to produce recyclable products, expansion of renewables to supply our own energy demands and charitable involvement in the communities in which we operate, all help to address the challenges we see as a business. A recent £14.1 million investment in Compack Cartons and PackSure gives us the most environmentally efficient facility and equipment with which to manufacture and test innovative and eye-catching sustainable packaging designs.

In this report we detail how we are acting to limit global warming to 1.5°C in line with the Paris Climate Agreements whilst having a positive impact on the communities in which we operate.

“A recent £14.1m environmental investment in Compack Cartons and PackSure.”



Our vision:
to be **sustainable**
for life with our
4 key values &
6 focus areas



SUSTAINABLE
DEVELOPMENT GOALS

Our sustainability strategy is aligned to The United Nations Development Goals.
#12 Responsible Consumption and Production #13 Climate Action.

Our 4 key values



01 Community

Promote ethical behaviour to support our people at work, at home and in our wider business community.



02 Principled

Endeavour to ensure all our actions are economically, environmentally and socially sustainable.



03 Collaborative

Work together; to listen, learn and grow - developing sustainable solutions to overcome the major challenges in our path.



04 Responsible

Strive to make the right choices and take ownership of our actions, to protect each other and the planet, now and for future generations.



Our 6 focus areas



Compliance & Measurement



Sustainable Design & Products



Ambassadorship



Reduction



Avoidance



Offsetting: Removal





Our goal is to deliver a sustainable business that has minimal impact on the environment and a positive impact on the communities that we operate in.





Sustained business performance

Jobs for employees and profits to invest



Social responsibility

Contribute to the welfare of local communities



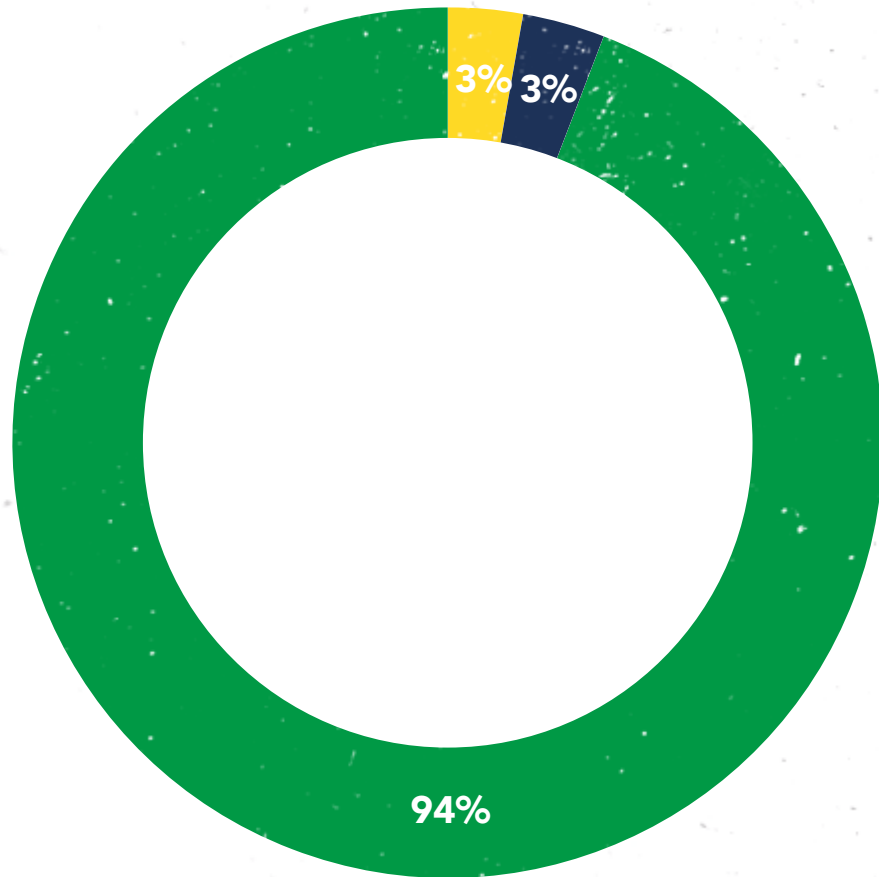
Environmental justice

Lowest possible impact for the products that we produce



A snapshot of our emissions

2022 Group GHG Inventory



Scope 1:

Direct emissions from owned / controlled operations.



Scope 2:

Indirect emissions from the use of purchased electricity, steam, heating and cooling (Location Based Method).



Total Scope 3:

Includes all other indirect emissions that occur in a company's value chain, such as transportation and distribution, leased assets, business travel, capital goods, use of sold products etc.



**Our
progress
so
far...**



Scoping out emissions

Scopes & Categories	2021 Metric tons Co2e	2022 Metric tons Co2e	Change	Commentary
Scope 1: Direct emissions from owned / controlled operations	477	416	-13%	Emissions from burning gas and fuel are down significantly year on year. Predominantly as a result of our focus on shutting down equipment when not in use, reducing sources of heat loss through investment and better monitoring of gas use.
Scope 2: Indirect emissions from the use of purchased electricity, steam, heating and cooling (Location Based Method)	341	397	17%	Electricity use across the McLaren Packaging sites is down an incredible 29% year on year driven by live data and better equipment shut down disciplines. Group electricity use is up due to new equipment installs as part of a large investment program at Compack Cartons. This will be mitigated in 2023 through a focus on site shut down and installation of a 188 kW solar array.
Total Scope 3	11,794	13,331	13%	Scope 3 emissions have increased as a result of increased demand for divisions driving purchases of more paper board. A focus on lightweighting of material will drive improvement in this area.
Total	12,612	14,144	12%	
Sales	£38,771,504	£43,396,848	12%	



Compliance & Measurement



2021 Sustainability Report Targets	Result	2023 Sustainability Report Targets
ISO 14001:2015 Accreditation McLaren Packaging.	●	Sign up to Science Based Targets Initiative in 2023.
ISO 14001:2015 Compack Cartons/Interlok Divisions/Blue Box Design.	● ●	Interlok Divisions achieved in 2022. ISO 14001:2015 accreditation for Blue Box Design and Compack Cartons in 2024.
Carbon Report all companies.	●	Maintain carbon inventory for all companies.
Adopt certified GHG reporting standard.	●	We are now reporting our carbon accounts with our audited financial accounts and see an assurance audit of our 2022 accounts as the best way of achieving 3rd party verification.

● Achieved ● In Process ● Not Achieved



Sustainable Design & Products



2021 Sustainability Report Targets

Result

2023 Sustainability Report Targets

Life Cycle Analysis (LCA) analysis on all products.



Trial sustainability metrics on rigid box quotes in 2023.

100% recyclable products all formats.



Publish sustainable design standards for all formats.

100% recycled content products all formats.



Produce sample 100% recycled content carton and rigid boxes in 2023 (can achieve greater than 90% recycled content in all products).

100% sustainably sourced materials for all products.



Forest Stewardship Council (FSC) Accreditation achieved for McLaren Packaging & Interlok Divisions. Compack Cartons and Blue Box Design in progress.

 Achieved  In Process  Not Achieved



Ambassadorship



2021 Sustainability Report Targets

Result

2023 Sustainability Report Targets

20% reduction community emissions
2021 v 2022.



A lack of reliable data for emissions out with the work place means we will now focus more on sustainability training for the work force (4 hours sustainability training per employee in 2023 and 8 hours in 2024) confident that this will lead to emissions benefits at home.

Create 10 sustainability ambassadors.



Create sustainability league table and awards.

50% promotional spend supporting
sustainable initiatives.

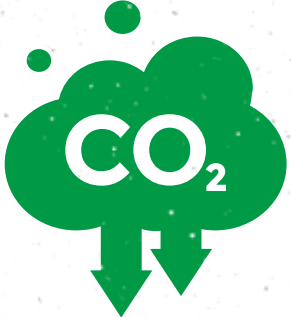


Support Newark Trust Charity and continue
community outreach.

 Achieved  In Process  Not Achieved



Reduction



2021 Sustainability Report Targets

Result

2023 Sustainability Report Targets

Reduce Scope 1 and 2 emissions to Net Zero by 2025.



Continue to reduce Scope 1 and 2 emissions by 2025. All new Fork Lift trucks to be electric from 2023.

Reduce Scope 3 emissions by 25% by 2025.



Reduce Scope 3 emissions by 25% by 2025.

Reduce waste streams year on year.



Improve dry mixed recycling recovery and reduce general waste by 10% in 2023.

Achieved In Process Not Achieved



Avoidance



2021 Sustainability Report Targets

Avoid Scope 1 and 2 emissions through direct investment in low carbon technology.

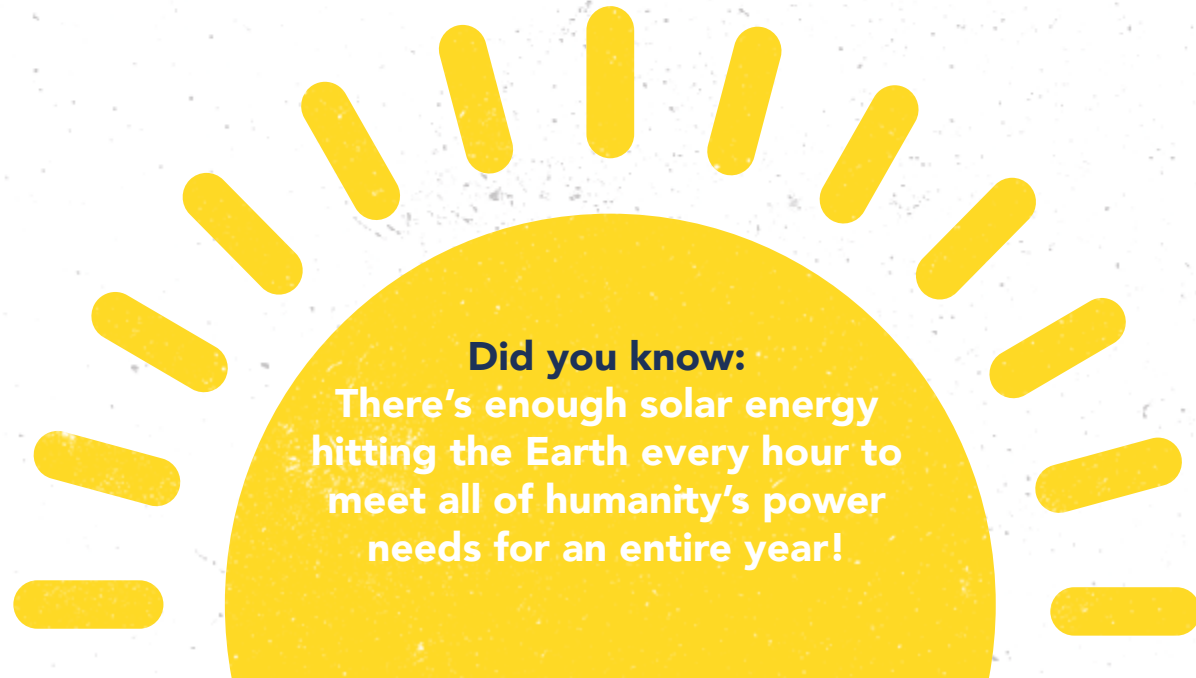
Result



2023 Sustainability Report Targets

Installation of 188 kW Solar Panels at Compack Cartons. Investigate solar panel installation at Interlok Divisions.

 Achieved  In Process  Not Achieved



Did you know:
There's enough solar energy hitting the Earth every hour to meet all of humanity's power needs for an entire year!



Offsetting: Removal



2021 Sustainability Report Targets

Identify credible and verifiable sources for removing hard to eliminate carbon emissions from existing operations.

Result



2023 Sustainability Report Targets

15,000 PIUs purchased across two sites at Millhouse and Accurrach.

Identify more ways to remove carbon in the short term to assist journey to Net Zero in Scope 1 and 2 emissions by 2025.

 Achieved  In Process  Not Achieved





Compliance & Measurement

In November 2022 we achieved ISO14001:2015 accreditation for McLaren Packaging (Tubes & Corrugate) and Interlok Divisions, the international standard for effective Environmental Management and this is being rolled out to the rest of the organisation over the next 18 months.

At Interlok Divisions, we have been assisted by Cara Logan, a recent addition to the Compliance team, who has joined us from the production floor and whose practical knowledge of this area of the business adds a further dimension to our environmental care.





Compliance & Measurement



Interlok Divisions Environmental Update

**Contributor: Paul Durnan,
Operations Manager, Interlok Divisions**

On 26th May 2023 Interlok Divisions achieved the ISO14001:2015 qualification which we are extremely proud of and would like to thank all our staff for their engagement through this process.

We have identified the areas we will be focusing our efforts on to improve our overall environmental impact. To allow us to do this we will be continuing to educate our team through the environmental inductions which will raise awareness and allow for greater staff involvement. In addition to this we will be looking for more volunteers to assist our green ambassador programme.

Our document control is currently being improved and will be aligned with the McLaren Packaging group processes. This will benefit Interlok Divisions to enable us to easily identify areas to improve our efficiency for waste and energy.

The team at Interlok Divisions have also been improving our working environment and our factories are now looking much cleaner and tidier. This work not only improves our working areas it is also helping us identify any build-up of waste ensuring the correct disposal routes are used which in turn reduces our environmental impact.

At Interlok Divisions we are always looking to develop our team's potential with the most recent example being Cara Logan.

Cara joined Interlok Divisions in September 2022 as a hand assembler. Prior to joining our team Cara studied Environmental Management at Glasgow Caledonian University and has now been seconded to an environmental role on a part time basis while still working on hand assembly. Cara was eager to take on the role to develop her studies in a practical environment and has been fundamental in us achieving our ISO14001:2015 certification. Among the responsibilities which Cara has been taking on are COSHH, energy consumption and internal audits. Outside of work Cara's interests are sports, cars and watching documentaries.





In 2021 one of our long-standing Tubes customers, was challenged on the recyclability of its products by Tesco.

It approached us for assistance and we initiated a lengthy development process before coming to a solution – a perforation on the tube to allow the paper and metal parts of the product to be separated from each other and recycled. We have a patent pending for the unique design. Obtaining the official UK recyclability symbol proved another challenge as it set a high bar for what qualifies as easy to separate. Its exact guidance was that your grandpa or granny must be able to get the metal base off the tube without using any tools.

In September this year the hard work paid off when we supplied 250k tubes with perforation for sale in the UK. And the client must be happy because it has asked us to add the perforation to all its tubes for 2023, over 1.5 million units!

Another customer has also adopted the perforated tube in 2023, meaning that by the end of the year over 70% of our shaped tubes will have this unique feature.

This project is a notable example of what we can achieve when all the individual businesses collaborate. To bring this product to market we started with ideas from machine operators on how best to split the tubes open, the design department came up with multiple perforation variants to test, Compack Cartons and Blue Box Design ran trial materials to be tested on the tubes production lines, Blue Box Design added the recyclability instructions to the tubes for the customer to see and the sales team coordinated with the customer to make sure it was happy with the results.



In addition to keeping our customer happy we have produced a design that makes sure more of our products will end up being recycled and turned into something else, which is good for the planet. Whisky (or Whiskey to our Irish friends) is sold all over the world in places that may not have the same facilities for recycling rubbish that we have in Scotland.

Although we cannot control what consumers do with our products when they are finished with them, we can make it easier for them to make the right decision and this perforated tube certainly does that.





100% recyclable rigid box

Contributor: Ewan Stewart, Designer, Blue Box Design

The aim of this particular project was to come up with a box that would be fully sustainable/recyclable. In previous years (as per the vast majority of every box we have produced for multiple whisk(e)y customers) every product we have produced either had magnets, foam or most often than not a combination of both.

For the internal side of things we swapped out what would normally be a padded foam insert and replaced it with a friction fit bottle shaped card fitment with a card based platform to give the pack strength when supporting the bottle. The advantage that we have with this particular project is that the customer's bottle is a square shaped footprint which in turn lends itself to being well suited to a card fitment and naturally displays better with rotation not being an issue. In comparison we are currently in the middle of a project with another customer which has a round bottle footprint, however the customer seems to be relaxed about the possibility of the bottle rotating which indicates that customers/brand owners are beginning to

be more willing to compromise on design in order to reap the benefits of a fully recyclable pack.

On the external we swapped out what would in the high percentage of most projects be a magnetic lid for a full wrap around lid with a tuck in friction fit tab to secure the pack neatly at the right hand side of the front face. For the opening of the lid we have added a fully recycled ribbon pull tab for ease of opening.

Looking forward to seeing the finished article which should be making its way through production hopefully very soon.

“The aim of this particular project was to come up with a box that would be fully sustainable/recyclable.”





Ambassadorship

Meet our Green Ambassador Team

**Contributor: Stewart Hugill,
Environmental Advisor**



We are pleased to welcome the most recent addition to the Green Ambassador team, Ross Drummond. After joining McLaren Packaging in 2019 from Pagazzi Lighting in Braehead he has recently transferred into the compliance team from the shop floor to assist with the Health and Safety and Quality process. As a local family man Ross's general interest in improving the environment has perhaps been challenged by his first forays into the Green Ambassador role, helping clean the green areas around the sites (if only the deposit return scheme was underway, given the number of empty bottles and cans recovered!) and assisting with constructing furniture for the Newark Trust. We have promised more excitement to come!

Our recent addition to the Green Ambassador team, Ross Drummond





Ambassadorship

A community effort

**Contributor: James Hutchinson,
Account Manager, McLaren Packaging**

Back in 2021 we were contacted by Parklea Branching Out to see if we could help them raise £20,000 from local businesses and charitable organisations to gain match funding from The Four Acre Trust. Parklea use horticulture as a vehicle to provide a variety of different training, work experience, supported employment and social facilities for a variety of clients including adults and children with learning and/or physical disabilities, those with mental health problems, school leavers, young and long term unemployed, elderly and community groups.

They were successful and have now been awarded £40,000. We delivered our cheque to Sharon Gemmell, manager at Parklea, she said; "We are really pleased to have achieved our target. This funding will have a major impact on our new community hub development taking place this year and

will assist in fitting out the new community kitchen."

We also donate a pallet of our solidboard euro lids to Parklea whenever they need them. They use the boxes to pack plants and flowers customers have bought to easily transport the goods home in a water-resistant tray.

Parklea have recently secured £250,000 from Inverclyde Council to support the building of a new community hub. With this project, improvements will be made to existing facilities and outdoor areas and allow for the creation of a new building featuring offices, meeting spaces, accessible toilets and changing rooms, a community café, training facilities and garden retail space.

Parklea are helping us restore our planters, keeping the factories looking brighter and more welcoming.



"Recently Parklea have recently secured £250,000 from Inverclyde Council to support the building of a new community hub."





Ambassadorship

The Newark Trust

As a long-standing employer in Inverclyde, we aim to give back to the area which has supported the business and contributed so positively to its success over the last 44 years. In recent years, the company has supported local causes, donating to charities and non-for profits often identified by our employees. While this approach has served us well to date, we wanted to establish a way of providing support for the longer term, therefore the McLaren family has decided to establish The Newark Trust.

The Newark Trust has been officially incorporated as a charity and has appointed Claire Banks, an Inverclyde native, as Charity Manager to run its day-to-day operations. The company has committed to donating a percentage of its annual profits to The Newark Trust and the charity will also develop and run a programme of fund raising to support lesser-known local causes which provide support within the local community.

The idea is that the beneficiaries of the fund raising, and fund raising itself, will be informed by **YOU** and there will be opportunities to recommend initiatives and local causes to support.

The mission of The Newark Trust is for us to help where we can:

- **to provide relief and support for those in need who live or are coming to live, in Port Glasgow or the wider Inverclyde area. The needs may be by reason of age, ill health, disability, financial hardship or other disadvantage, and**
- **the advancement of citizenship or community development.**

A special thank you to Alasdair Miller and Jill Flynn who have been instrumental in setting up the charity – learning the particulars of the third sector and how to establish The Newark Trust which is separate to and will be run independently from McLaren Packaging.

Activities

The first initiative that The Newark Trust completed was to provide temporary housing for two Ukrainian families forced to flee their country due to the ongoing war. The two properties, both in Port Glasgow, are now occupied and the families are establishing new lives, for as long as they need, in the town.





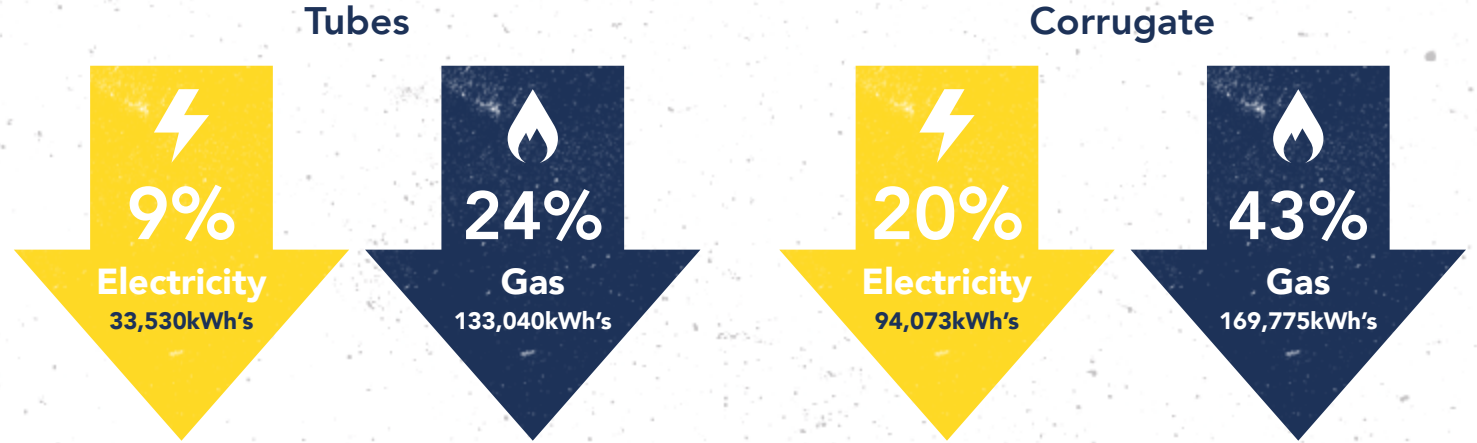
Energy Reduction

In addition to all our current electricity meters being smart AMR units, we are extending this to include the gas meters at all sites which will better allow us to target energy savings.

This is in addition to our current reduction proposals that include replacement of the older Gas Hot Water boiler system with instantaneous electric units for Tubes, continuing to install more efficient LED lighting, staff training and new fast-shutting doors to improve the overall insulation.

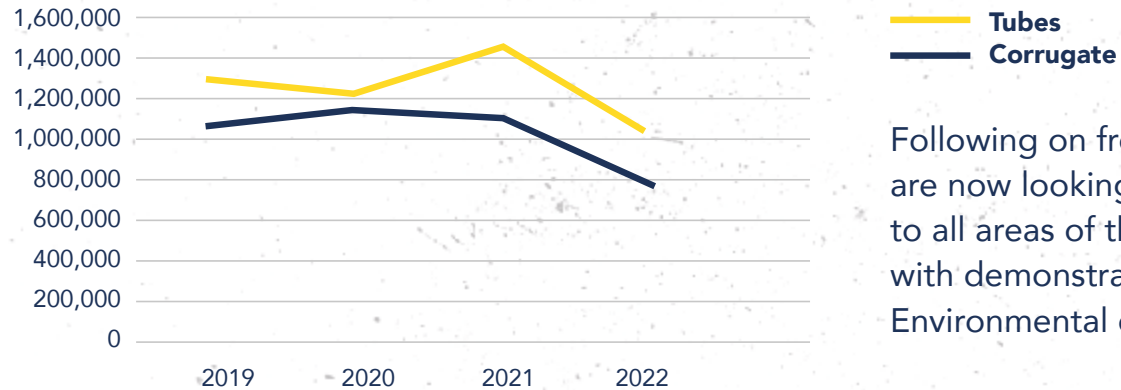
As part of the general office refurbishment at Corrugate, the heating has been upgraded to more efficient Air Source heat pumps and improved wall and ceiling insulation.

These measures, along with better control of our heating and general housekeeping, have helped to contribute to considerable savings in 2022 against our previous three-years.



This is despite the addition of extra staff and the two Porta-Cabins on site.

McLaren Packaging Total Energy Consumption (kWh's)



Following on from this success we are now looking to extend this to all areas of the business along with demonstrating our overall Environmental commitment.





Reduction

Loss & waste: Tubes

**Contributor: Craig Mochrie,
Tubes Operations Manager**

As part of our Tubes Roadmap for improvement with the introduction of DOR comms boards culture to the factory, capturing key performance data with definitive actions and establishing an ownership culture, in parallel with the current data systems – providing real time visibility tracking of data performance spreadsheet by line, including Loss & Waste, we established process controls by line to capture, track and monitor all manufacturing waste streams coming from our Tubes production lines & wider factory activity.

- Waste bins were fully assessed over a period prior to launch to identify the type of waste and component cost allowing us to capture and track true specific weight data and cost by line.
- The waste was split into two categories: **Unavoidable waste** (by that we mean the manufacturing waste necessary in the process, i.e. sticks, off cuttings, set up impact etc.) **Avoidable waste** (self-inflicted product waste because of bad set ups, material QC issues, machine failure, operator skill and fault-finding capability etc.)
- Daily bin waste sheets x line x shift established capturing net weight and average costs called out daily at our DORs.
- This data has been captured since October 2022 and enables positive analysis of the waste data and importantly **TARGETING THE REDUCTIONS**





	Total weight (kg)	Total weight (kg)	Cost round lines (£)	Cost shaped lines (£)
	Round Lines/CA	Shaped Lines	Rate x £1.07	Rate x £4.93
Wk comm 5th Dec	2,461	249	1,854	1,228
No of Bins	176	15		
Wk comm 12th Dec	2,045	231	1,543	1099
No of Bins	153	13		
Wk comm 19th Dec	1,231	83	936	409
No of Bins	97	8		
Total			4,334	2,736
Total costs Dec			£7,070	

Summary of 2022

Waste v Output		Total Passes		
2022	Total Waste	Round	Shaped	Total
August	£18,601	420,171	629,686	1,049,857
September	£14,847	458,873	602,653	1,061,526
October	£14,243	476,180	533,249	1,009,429
November	£16,808	494,796	751,462	1,246,258
December	£7,070	264,602	335,341	599,943
Total	£71,569	2,114,622	2,852,391	4,967,013

As part of the 2023 Tubes targets & objectives, we have now given each operator set line waste team targets for this year.

- **Round Lines** - 125k x line x shift = £100
- **Shaped Lines** - 20k x line x shift = £100

This will enable us to identify phased waste improvement targets as we mature across the wider Tubes Roadmap & Environmental strategy.



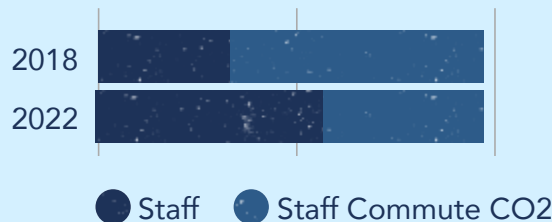
Cycle to Work Programme

Contributor: Mark McCracken, Trainer, McLaren Packaging

From the start, one of our key goals has been to deliver a sustainable business that has minimal impact on the environment and a positive impact on the communities within which we operate.

As the business is set in the heart of the local community, we quickly identified that understanding how far employees live from work and how they travel to and from site was a key area we could focus on, as this not only has a direct effect on our carbon

Staff Level vs CO2e



output but also on air quality and pollution at a local level. We established our baseline for 2018 when we had approx. 85 staff with a carbon output of 53t CO2e from commutes of all types including private vehicles, bus, train, and taxi journeys.

We then implemented a phased approach, with schemes such as:

- Cycle2Work (12% uptake)
- Promoting Car Share
- Interest Free Electric Car Loan Scheme
- Update Company Vehicles to All Electric (5/7 vehicles now electric)

In 2023 the business has 119 employees who in 2022 output 45t CO2e, representing a 30% increase in people with an 18% decrease in our carbon output from commuting, which is a fantastic result.

We have plans to set up workshops to examine how we can support our people to reduce their commuting emissions

even further, including the opportunity for drivers to undertake an Eco Driving course to help improve their MPG figures. It will be fascinating to see how numbers continue to change as we progress.

“30% increase in people with an 18% decrease in our carbon output from commuting, which is a fantastic result.”





Avoidance

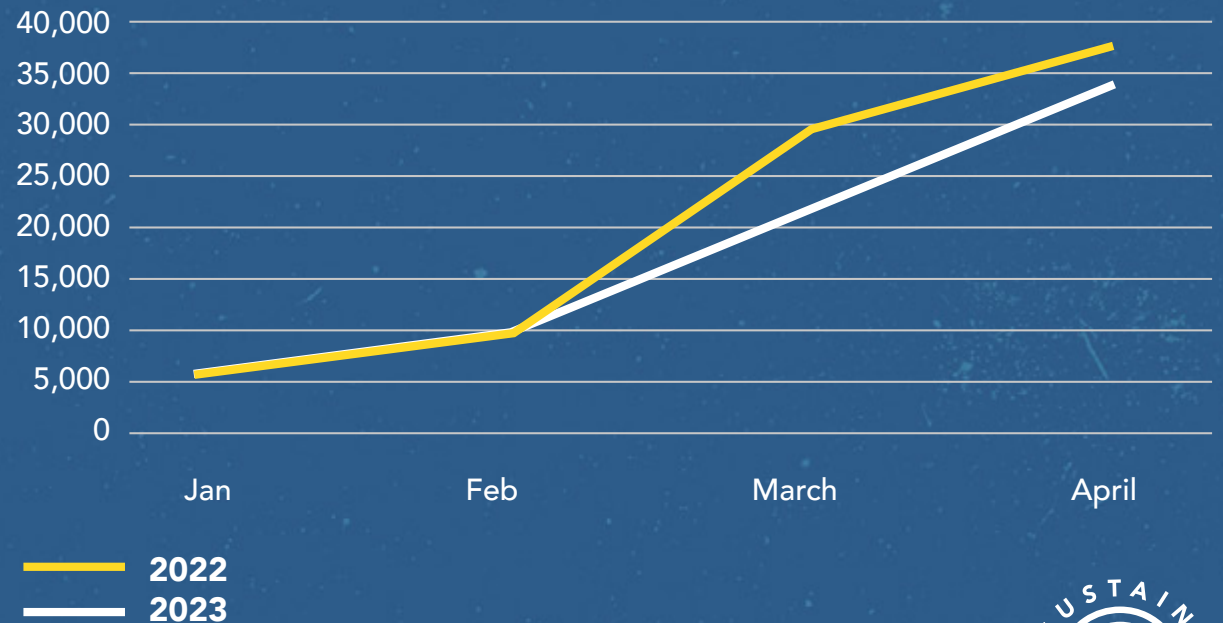


"Overall, our solar panels are producing 37% of all electricity used at Tubes and Corrugate. (Equivalent to 109 houses)."

Avoidance Section

Our on-site renewables, typically our Solar PV panels, tend to confirm the slightly poorer weather for the year to date with production at 71,442kWh's, but improving as the summer progresses. Overall, our solar panels are producing 37% of all electricity used at Tubes and Corrugate (equivalent to 109 houses).

Solar (PV) Generation (kWh's)





Avoidance



Reduction

Achieving our sustainability vision

**Contributor: Steve Railton,
Managing Director, Compack Cartons**

A key element of the vision for the new Compack Cartons was to create one of (or maybe) the most environmentally friendly packaging sites in the UK.

In order to achieve this, and taking inspiration from Carl Elefante who professes that “the greenest building is the one that already exists”, we tasked developers with incorporating a number of low carbon and energy saving technologies into the building.

Exceeding our vision

When we purchased the site in 2021, it had an **Energy Performance Certificate (EPC) rating of E**. Through careful planning and

refurbishment, we managed to achieve an **A rating with a numerical figure of 11**. For perspective, a brand-new building of this size would achieve an A rating with only a slight improvement. However, this doesn't consider carbon emissions associated with materials consumed and the physical construction of a new build.

Our EPC suggested we could achieve a figure of 9 if we upgraded the existing heating system and fit 100 solar panels.

We decided we could improve on this even further, and on July 29th, we completed the installation of 312 panels (155kW). With an additional 33kW's of panels added to the old Compack Cartons' roof. We are confident that we have already exceeded the potential figure on our EPC, however we have started to investigate the improvements an updated heating system could also bring.

Other initiatives

- Central location on / off switches for the compressors – to avoid people having to go outside and unlock the compressor room door to switch off the compressors.
- Power consumption monitoring is allowing us to push down our “lights out” base level consumption.
- Poster campaign located at the factory exits and clocking off machine to remind people to switch off their equipment.
- Continued engagement with our staff to collectively explore other options that drive down our carbon emissions.
- Increasing machine efficiencies by setting up a pre-make ready team to aid switching between jobs.



"We decided we could improve on this even further, and on July 29th, we completed the installation of 312 panels (155kW). With an additional 33kW's of panels added to the old Compack Cartons' roof."





The new and refurbished Compack Cartons site

We improved the existing structure to minimise energy expenditure whilst future proofing services



- **LED LIGHTING**
Reducing Energy Demand.
- **WASTE EXTRACTION**
Ensuring all waste is appropriately categorised and managed to recycling.
- **GROUND SOURCE HEAT PUMP**
Heat transfer from the earth into air handling unit.
- **POINT OF USE WATER HEATERS**
Minimising energy usage by only heating water when required.
- **PIR WATER SHUT OFF**
Water only on demand. Increased efficiency of water conservation.

The greenest building is the one that already exists



- **SOLAR CONTROL GLAZING**
Enhanced thermal performance reducing heat loss & heating demand.
- **ROOF LIGHT GLAZING**
Maximises daylight contribution, reducing lighting demand.
- **EV CHARGE POINTS**
Facilitating & encouraging future expansion of EV vehicles.
- **SOLAR POWER**
188kW solar PV installation.
- **INSULATE ROOF**
Increases heat retention.

Our renovation features considerations for low & carbon zero technologies



- **PRINTING PRESS**
Industry leading in-line automated print adjustment greatly reduces set-up and live carbon footprint and benchmarking information for each job.
- **HEAT RECOVERY**
Using waste heat to reduce energy and gas demand of the building.
- **ROOF FANS**
Recirculating warm air back down to occupied spaces.
- **AIR CURTAIN**
Mitigating cold air into warehouse, reducing energy usage.





Offsetting: Removal

Carbon Offsetting

In the first edition of our Sustainability Report, we mentioned that our focus must be on reducing our carbon footprint as much as possible to fulfil our commitments to reduce our emissions by 50% by 2023 and become a Net Zero business by 2050. We are making progress, although there is a long way to go on our journey.

There remain emissions within our business that, based on currently available technologies, remain difficult to eliminate at this time. Examples include diesel for our trucks, gas for heating, employee commutes and business travel.

That is why we have invested in planting a second Scottish woodland, in Accurrach, located just north of Inveraray, Argyll and Bute.

The woodland covers 32 hectares of what was previously marginal farmland with over 50,000 young trees native to Scotland and will remove 6,000 tonnes of carbon from the atmosphere over its duration.

Species include Scot's pine and broadleaf trees, such as alder, birch and rowan and the planting will significantly enhance the areas ecology and improve biodiversity.

The restoration of the land to its natural, wooded state will also help protect the local environment, creating new habitat for native birds and other wildlife through the careful management of the new woodland.

We believe emissions should be sequestered where they are created, via a verified nature based scheme, which is why we have invested in woodland creation in Argyll & Bute, less than 30 miles from our production sites in Port Glasgow. Not only will this help minimise our carbon footprint, it will also help our customers achieve the same.

“That is why we have invested in planting a second Scottish woodland, in Accurrach, located just north of Inveraray, Argyll and Bute.”

This is our second investment in recent years in woodland creation following Millhouse, a 34-hectare woodland capturing 9,000 tonnes of carbon located 25 miles south of Accurrach.

Together, the planting of the two woodlands have brought jobs and economic activity and a myriad of other benefits to a remote area of Scotland. The two woodlands combined will remove from the atmosphere around 15,000 tonnes of carbon in the coming decades and help to invigorate Scotland's natural heritage and beauty.

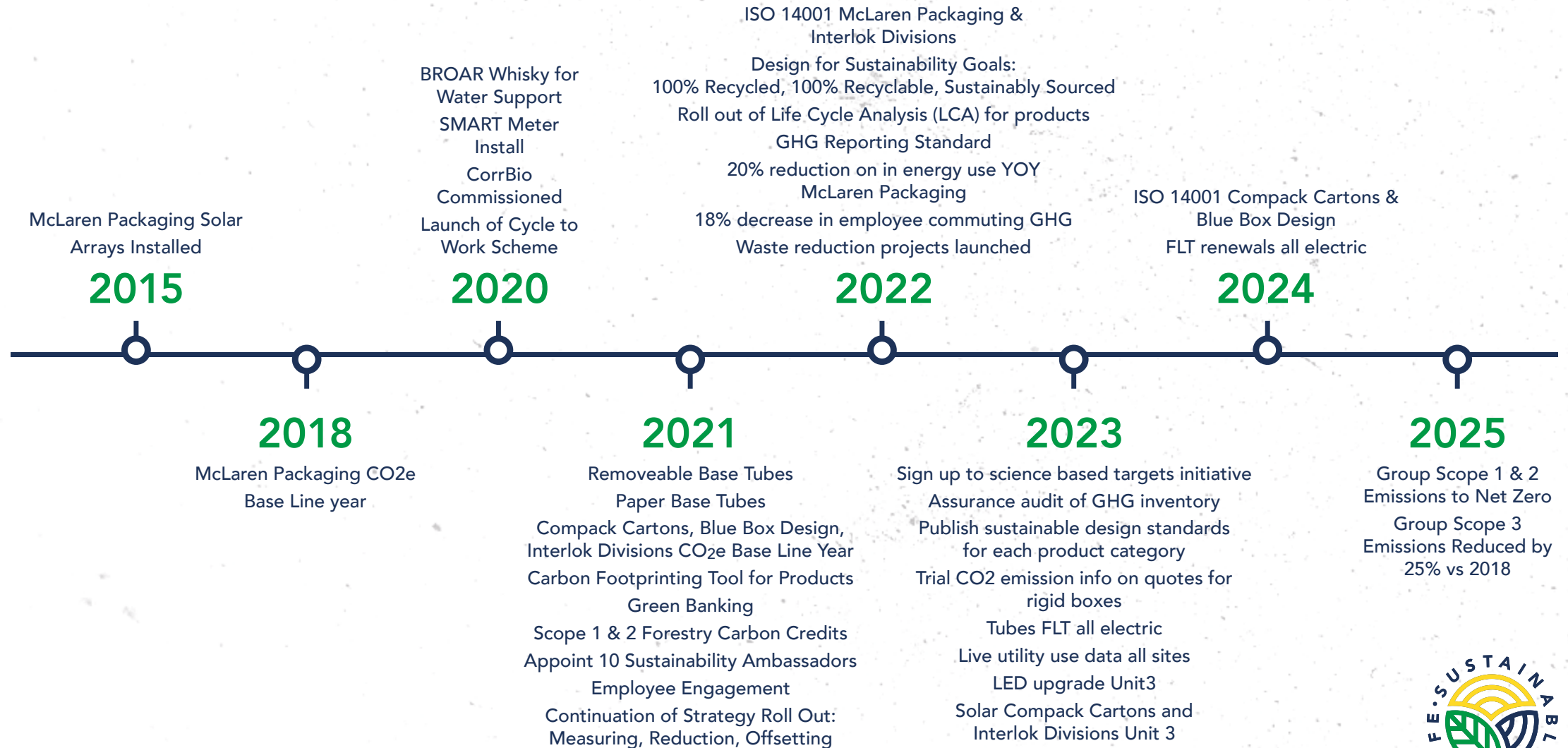


The woodland covers 32 hectares of marginal farmland with over 50,000 young trees native to Scotland and will remove 6,000 tonnes of carbon from the atmosphere.

Accurrach, Inveraray, Argyll and Bute



Our sustainable for life timeline





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