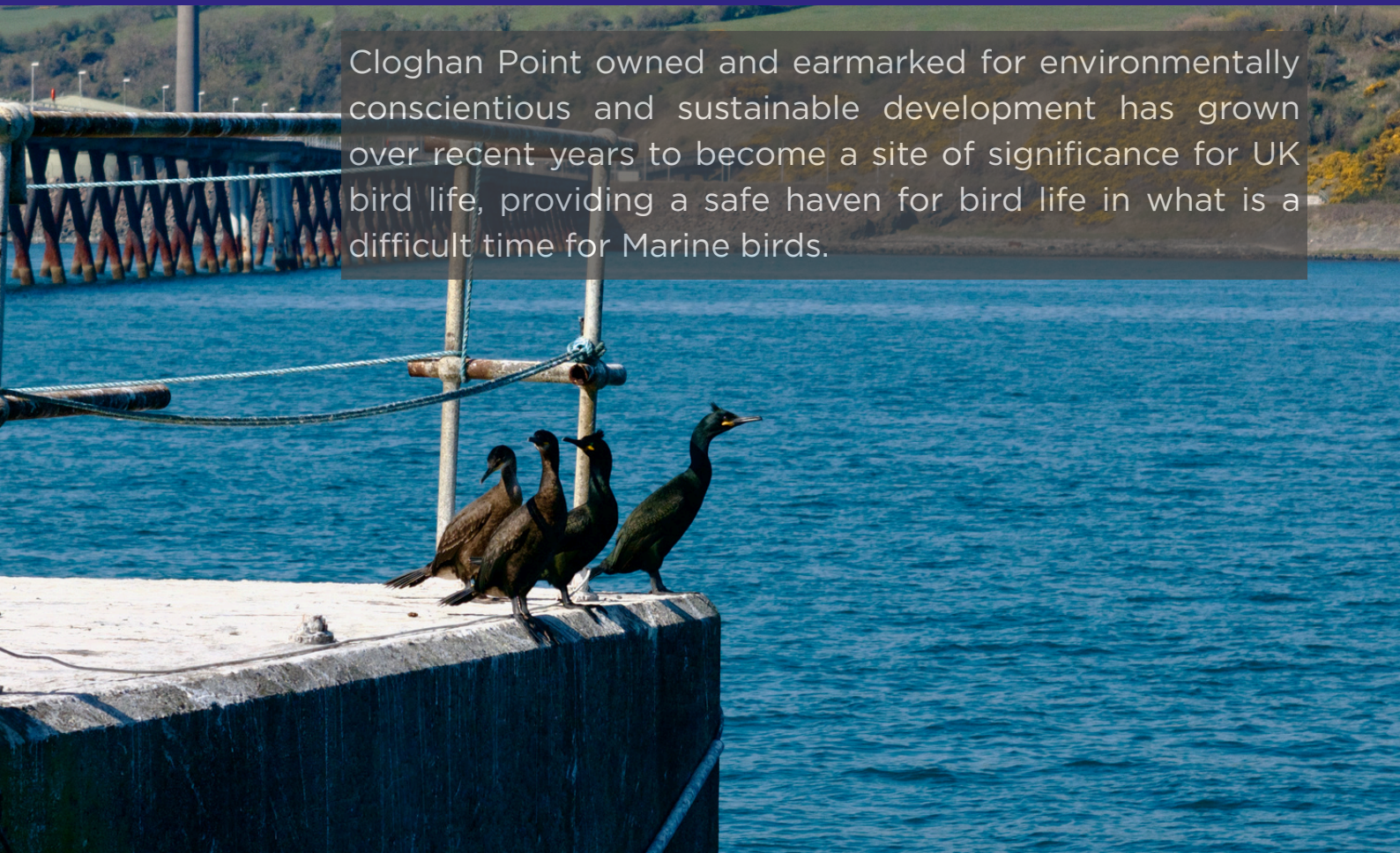


# Sustainability Report

2024-2025



Cloghan Point owned and earmarked for environmentally conscientious and sustainable development has grown over recent years to become a site of significance for UK bird life, providing a safe haven for bird life in what is a difficult time for Marine birds.

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## Introduction by Our Sustainability Partner

This report was produced by The Change.

The Change and LCC Group have been working together since 2022. It is our view that unlike other fossil fuel suppliers, LCC Group continues to buck the trend of today's market, which sees many large processors of liquid and solid fuels shifting away from their commitments to the environmental agenda.

LCC Group has remained unchanged in its focus on its people, its environmental footprint and the wider communities it serves, delivering improved efficiencies through care and passion for the people who work for the organisation and the communities it serves.

The Change is an impact-focused company whose goal is to empower large firms such as LCC Group to innovate, decarbonise and reduce environmental impacts across all operations. The Change has supported LCC Group on its journey towards a sustainable future.

At The Change, we believe in embodying "the change we want to see in the world" and this report serves as a testament to LCC Group's commitment to this message.

The Change see it as our mission to bring an environmental focus to the world's most likely polluters and to support them in transforming their carbon footprint.

We hope this report is useful in your assessment of LCC Group's sustainability and carbon reduction plan as we support the group on its way to carbon neutrality and on through that goal to a net zero future.



Andrew Cuthbert  
Founder of The  
Change



# LCC Group: Driving Towards Sustainability



## LCC Group – A Summary of Our Decarbonisation Plan

Formed in the 1980s by Michael Loughran Snr LCC Group has remained a values-driven organisation. The Loughran family's insatiable drive for quality, and their belief in their people, have created a loyal and driven organisation which is coupled with a desire to continue to perfect processes that others deliver as a mere commodity. The people at LCC Group have the confidence to take on the largest challenges and a commitment to deliver at scale. This passion, when coupled with LCC Group's desire to do what is right for the communities and customers served by the company, underpins years of success and growth.

LCC Group authentically believe that people matter. People at LCC Group are not numbers, they are the life blood of our success and are an extension of our family. We are committed to and value our people and we know it is because of this that we have grown to become the company we are today.

LCC Group approach sustainability with a commitment that is grounded in the carbon transition and driven by our people. Unlike many petro-chemical companies, we have remained steadfastly focused on a carbon transition. We are expanding our global footprint in the field and developing our knowledge to be aware of and capture the opportunities available to us in the carbon market. As a family-owned company, we are prepared to weather the turbulence of short-term market conditions. We see opportunity in the complex, highly volatile global economy and feel safe in our knowledge that the company has the fortitude and commitment to benefit from opportunities that come when others have pivoted direction due to short-term shareholder pressure.

Many in the petro-chemical and fossil fuels industry have begun to step back from the decarbonisation ambitions they once set. We continue to honour the commitments we have made, recognising that responsibility does not waver with shifting priorities or changing headlines. It is based on substantial and meticulous technical and market research that LCC Group reach decisions on where, when and in whom to invest.

We are proud to invest in meaningful projects and initiatives that support progress

toward a more sustainable future. At the same time, we remain keenly aware of our core business and the essential role it plays in today's economy. As global political and regulatory landscapes evolve, we are vigilant in assessing potential impacts, ensuring that our path forward balances innovation with stability, opportunity with risk.

This report reaffirms our dedication to acting responsibly, investing wisely, and staying true to the values that have guided LCC Group for decades. We remain committed to the communities we serve, the industries we support, and the integrity with which we operate today, tomorrow, and after.

## LCC Group – A Summary of Our Decarbonisation Plan

The group has continued a focus on the environment during 2024 and 2025 and has improved its awareness of available technologies through its investment in R&D partnerships and new technology opportunities.

At LCC Group, our people, our customers and our communities come first. We continue to expand our product portfolio and together with our partners, are making significant long-term investments in the transition despite what is seen as an unpredictable global market.

### **Past & Present:**

The story of LCC Group emerges as a testament to adaptability and foresight. Michael Loughran Snr began trading as Lissan Coal Company in 1980. The company embarked on its journey as a stalwart of the coal industry, catering initially to the domestic coal needs of Northern Ireland. The company then progressed to commercial and industrial uses of steam coal. The primary focus in the beginning, was thermal coal, the company is now undergoing a transition towards a 100% renewable future.

### **Current Operations:**

Today, LCC Group has transcended its origins in coal to become a multifaceted organisation spanning four main sectors: solid carbon, gas, electricity, and liquid fuels. The group's diversified portfolio includes a range of businesses, including LCC Coal, LCC Oil, Go Power, and several others. While coal processing remains a significant aspect of LCC Group's operations, the company has evolved beyond its thermal coal-centric origins to embrace a broader spectrum of energy and carbon material solutions. Alongside its coal operations, LCC Group has made significant strides in the liquid fuels sector, distributing over 1 billion litres of liquid fuel throughout Ireland and the United Kingdom. Additionally, the company has emerged as a prominent provider of natural gas, catering to the energy needs of residential and commercial clients across Ireland.

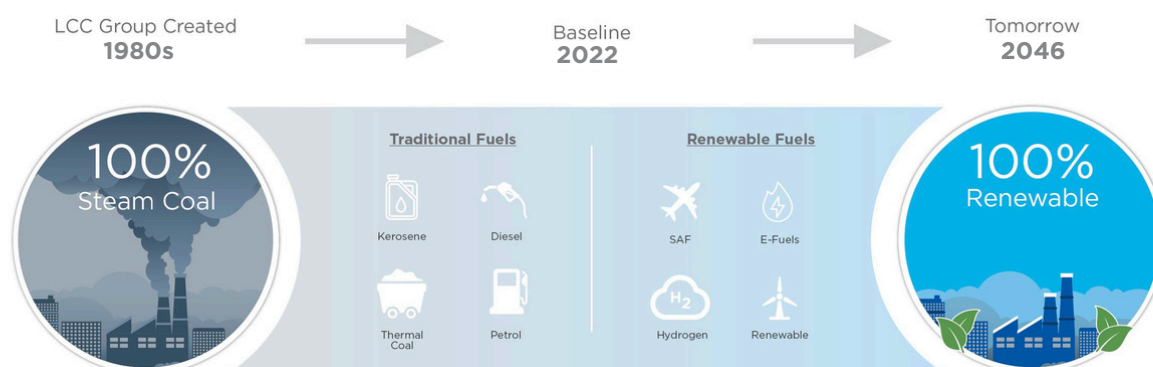
LCC Group's diversification extends to the electricity sector, where its subsidiary, GO Power, stands as a leading supplier to the industrial and commercial sectors in Ireland. Moreover, the group's oil division, established in 1996, has expanded the range of fuels available to customers, including petrol, diesel and aviation fuel, thus solidifying its presence in the liquid fuels market.

The group has identified renewable alternatives to all elements of its traditional portfolio of products and services. LCC Group is committed to a transition to carbon neutrality by 2036 and to becoming a net-zero company by 2046.

## LCC Group – Decarbonisation Strategy

As LCC Group charts its course into the future, a radical but carefully planned transition towards environmental sustainability takes centre stage. The company envisions a transformative shift from being a coal-centric entity to a pioneer in solid carbon production and carbon additives. This strategic pivot will see LCC Group cease coal processing for burning purposes, instead focusing on producing solid carbon products such as graphite, graphene, carbon nanotubes, electrode paste, pre-cursor materials for silicon metals and water purification.

Furthermore, LCC Group is poised to facilitate the UK’s transition to electric vehicles by establishing the country’s first graphite production facility. This move underscores the company’s commitment to supplying critical materials for the manufacturing of lithium-ion batteries, thereby supporting the rapidly growing electric vehicle market.



In the gas division, LCC Group will embark on a journey of diversification, expanding its focus from natural gas to significant investments in biomethane and hydrogen production. Hydrogen and biomethane will emerge as a renewable alternative fuel for industries.

The electricity division will see a shift towards renewable energy generation, with LCC Group transitioning from non-renewable to renewable electricity sales through its subsidiary, Go Power. Simultaneously, the liquid fuels division will undergo a transformation, moving beyond traditional fuels to produce and distribute sustainable alternatives such as hydrogen, kerosene, ethanol, methanol, e-fuels, and sustainable aviation fuel (SAF).



## LCC Group – Decarbonisation Strategy

With investments in hydrogen production, LCC Group will double down on its efforts towards carbon capture and utilisation (CCU), leveraging captured carbon dioxide to produce e-fuels like methanol, ethanol, and SAF. This holistic approach to sustainability encapsulates LCC Group's commitment to driving positive environmental change while meeting the energy needs of society in a responsible and forward-thinking manner.

In essence, LCC Group's journey towards a more environmentally sustainable future represents a paradigm shift in the energy landscape, where innovation and sustainability converge to shape a brighter tomorrow for generations to come.

### LCC Group's Transition from Thermal Coal to Coal as a Material

**Carbon from ROM coal can be used in each of the following applications:**



Despite public perception that coal is of the past, LCC Group continues to invest in coal assets due to the fact that carbon, as defined by the IETF and the EU, are seen as critical materials in the production of each of the above products.

## LCC Group – Decarbonisation Achievements to Date

In 2024, LCC Group reduced its overall carbon footprint in Scope 1, 2 and 3 by an estimated 1,928,239 tonnes of CO<sub>2</sub>e against the baseline year of 2022. Year on year, this

represents an annual decrease in emissions of approximately 624,418 tonnes of CO<sub>2</sub>e. The decrease in emissions was as a result of both LCC Group's decarbonisation efforts and market conditions. The reduction has come in the main due to our reduction in the processing of steam coal for energy purposes in favour of coal being processed into a reducing agent (a patent-pending product).

LCC Group continues to reduce the amount of coal used for energy consumption purposes, from a high of 44% in 2022 to approximately 20% in 2024.

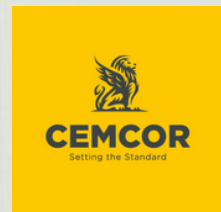
LCC Group's wholly-owned subsidiary, Go Power, is a leading supplier of electricity to the commercial and industrial sectors in Ireland. In 2023, 47.3% of Go Power's total electricity sales in Northern Ireland were certified by SEMO, Ofgem and GREX as derived from renewable sources, 100% of Go Power's electricity sales in ROI were renewable in 2023 (Certified by SEMO). Third party certified figures are not yet available for 2024.

As a distributor of liquid fuel, LCC Group takes every opportunity to encourage its customer base towards bio e-fuels and hydrogen. With a growing storage capacity for HVO, bio-diesel and ethanol, as well as the aim to produce and blend Sustainable Aviation Fuels in the future, the group is leading the trend toward a sustainable liquid fuel industry.



GO has created consumer curiosity around HVO, which has enabled consumers to access sustainable liquid fuels that replace traditional fossil fuels.





Setting the standard

Majority owned by LCC Group the team at CEMCOR is leading the transition from traditional CEM I and CEM II products to advanced future materials.



## LCC Group – Future Vision of Sustainability

“At LCC Group, we are aware that the impacts of climate change present significant challenges to economic stability and growth.”

This report provides a comprehensive insight into our sustainability performance in 2024, underlining our initiatives aimed at advancing toward a more sustainable future for all. Under the aegis of our corporate mission, we are dedicated to embedding sustainability into the core of our business strategy. Our annual sustainability report stands as an essential document of that ongoing commitment.

The report is designed to present a transparent and accurate reflection of our efforts, progress, and challenges in creating sustainable, long-term value for our stakeholders.

As part of our drive towards sustainability, we recognised the need for financial disclosures related to climate risks and opportunities, which led us to voluntarily use the recommendations provided by the Task Force on Climate related Financial Disclosures (TCFD) as guidance for this report.

This report has applied the TCFD principles within ongoing annual reports and we will endeavour to improve the accuracy of our carbon data with upstream suppliers and downstream customers. LCC Group takes seriously its commitment to align with the 2050 with the target for net zero aligning with global best practices in sustainability reporting. We intend to be carbon neutral by 2036 and net zero by 2046.

Daniel Loughran



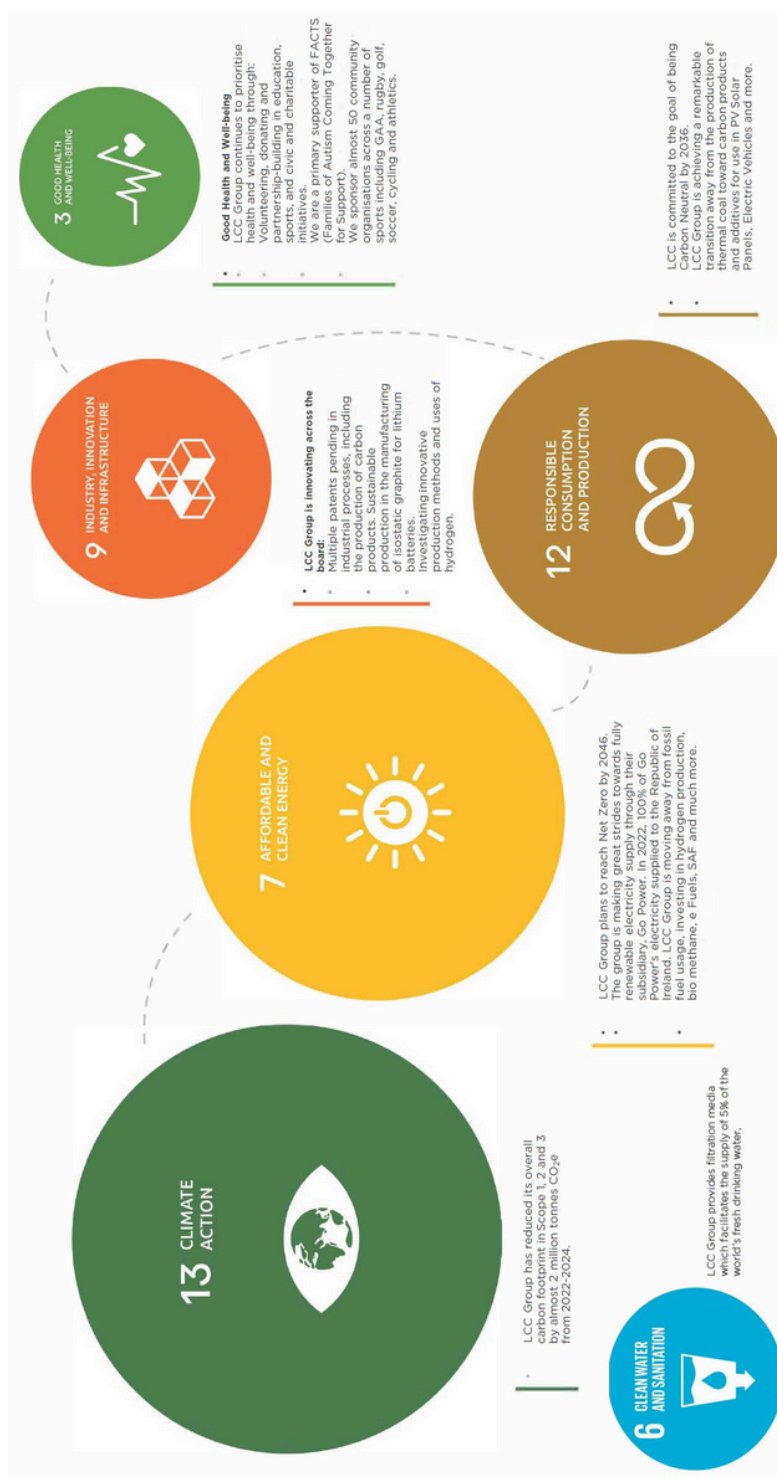
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# LCC Group's Commitment to the United Nations Sustainable Development Goals

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LCC Group is dedicated to accelerating progress  
towards the SDG goals outlined by the UN

## LCC Group – Future Vision of Sustainability



*Since our baseline year in 2022, LCC Group has reduced its carbon footprint by 1,928,239 tonnes CO<sub>2</sub>e.*



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This sustainability report reinforces our commitment to decarbonisation and sustainability, outlining our strategies and actions in the realm of Environmental, Social and Governance matters.

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The GO Brand owned by LCC is focused on the distribution of sustainable liquids such as HVO as an immediate option for vehicles owners to embrace a sustainable transition.

## Future Sustainability of Solid Fuels

### Strategic Investment in Milling & Micronisation: Enabling Sustainable Carbon Product Diversification

As part of LCC Group's ongoing commitment to transitioning away from thermal coal and aligning with the needs of a low-carbon economy, the Group is investing significantly in a new coal milling and micronisation facility located in Mallusk, Belfast, Northern Ireland.

This project marks a strategic shift in LCC's operational focus — from the production of coal primarily for combustion to the development of value-added carbon products for industrial and environmentally responsible applications. Several million pounds have already been committed to the project, covering advanced engineering design, site infrastructure, and the acquisition of specialist micronisation equipment.

The site has been configured for phased expansion, with the Group actively securing adjacent land to support anticipated future growth.

The Mallusk facility will enable the controlled micronisation of coal and carbon-rich materials, producing ultra-fine particles suitable for a broad range of industrial processes where carbon is used not as a fuel, but as a functional input. These include:

- Castings and foundry applications, where micronised carbon is used to improve mould release and surface finish;
- Brake pads and friction materials, where carbon enhances thermal resistance and performance;
- Specialty metallurgical processes, where it serves as a reductant or structural agent;
- Precursors for activated carbon, with downstream applications in water treatment, air purification, and solvent recovery;
- Agricultural and soil enhancement products, including biochar-type amendments currently being explored in regenerative farming systems;

Advanced composite and polymer materials, in which carbon contributes to conductivity, reinforcement, and durability.

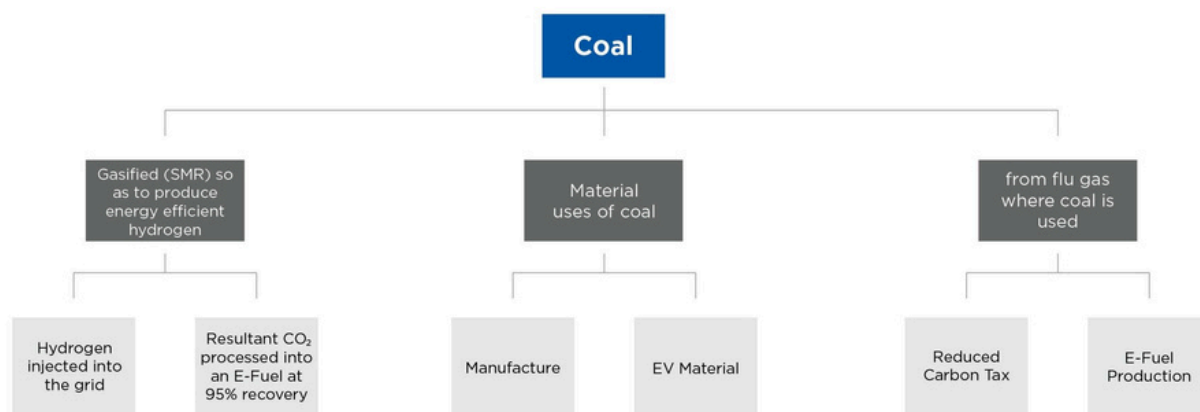
While the Group is not currently manufacturing all of these products, the investment in micronisation technology provides the foundational processing capabilities to serve these sectors. It positions the business to adapt and respond to market demand for low-emission, high-performance carbon materials — in line with broader industrial decarbonisation goals.

This investment is a core component of LCC Group's wider sustainability strategy, which is focused on reducing reliance on fossil fuel combustion and expanding into circular and resource-efficient markets. It reflects a responsible approach to long term business resilience and provides a pathway for the Group to offer carbon products aligned with evolving regulatory, environmental, and financial expectations.

## Future Sustainability of Solid Fuels

### Coal: A Roadmap to Sustainability

LCC Group sees opportunities for reducing the emissions produced in coal-intensive industries.



Coal has multiple applications, and we believe that in the future it will be used in various ways once viable e-fuel and carbon capture technologies become available.

Coal presents diverse opportunities across various industries, where it is used as a catalyst rather than solely for its calorific value.

In manufacturing, coal remains a vital resource for producing steel and cement that is essential for infrastructure development. Emerging innovations are also leveraging coal as a source for valuable materials like electrochemical materials, which are crucial for the growth of electric vehicle technologies.

Additionally, advancements in carbon capture and storage technologies offer the potential to significantly reduce carbon tax liabilities, making coal a more sustainable option in the face of regulatory pressures. Coal is being explored for its role in e-fuel production, a promising avenue for generating synthetic fuels that can help decarbonise transportation and other sectors.

These evolving uses underscore coal's adaptability and potential to contribute to a range of industrial applications while addressing contemporary environmental and economic challenges.

## Future Sustainability of Gaseous Products

### Gaseous Products

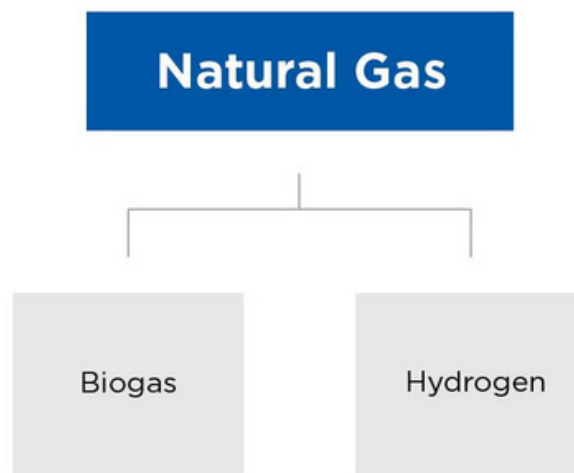
LCC Group estimates that the gas distributed in 2024 produced approximately 75,850 tonnes of CO<sub>2</sub>e. Reducing these emissions will require a change of source from natural gas to alternative energy sources, including hydrogen and biogas.

Biogas from AD plants is generally seen as a non-consistent fuel source with a number of problems, mainly due to a lack of consistency of supply. However, biogas does have the potential to make existing processes more circular and as a result is a key area of research for LCC Group.

Hydrogen is a hot topic within energy today. Hydrogen can be produced in a variety of ways with options including "Blue" (Steam methane reforming combined with carbon capture) and "Green" hydrogen produced through electrolysis. The company is investigating a number of hydrogen projects that may replace natural gas as a source of fuel.

### Natural Gas: A Roadmap to Sustainability

LCC Group sees opportunities for reducing the emissions produced in gas-intensive industries.





## Future Sustainability of Gaseous Products

Replacing natural gas with biogas and hydrogen involves several steps.

Biogas is produced through the anaerobic digestion of organic matter such as agricultural waste, manure, municipal waste, plant material, sewage, and food waste. This process generates a mixture of gases, primarily methane and carbon dioxide, which can be purified to enhance methane content, making it suitable for use in existing natural gas infrastructure.

Hydrogen, on the other hand, is produced through various methods, including electrolysis of water, which uses electricity (preferably from renewable sources) to split water into hydrogen and oxygen, and steam methane reforming, which extracts hydrogen from natural gas but requires carbon capture to reduce emissions.

Both biogas and hydrogen can be injected into natural gas pipelines or used in dedicated applications such as fuel cells for hydrogen, providing cleaner alternatives to fossil based natural gas and significantly reducing greenhouse gas emissions.

## Future Sustainability of Liquid Fuels

LCC Group sees opportunities for reducing the emissions produced in industries reliant on utilising liquid fuels.

Reducing carbon emissions through the use of sustainable liquid fuels offers numerous environmental and economic benefits.

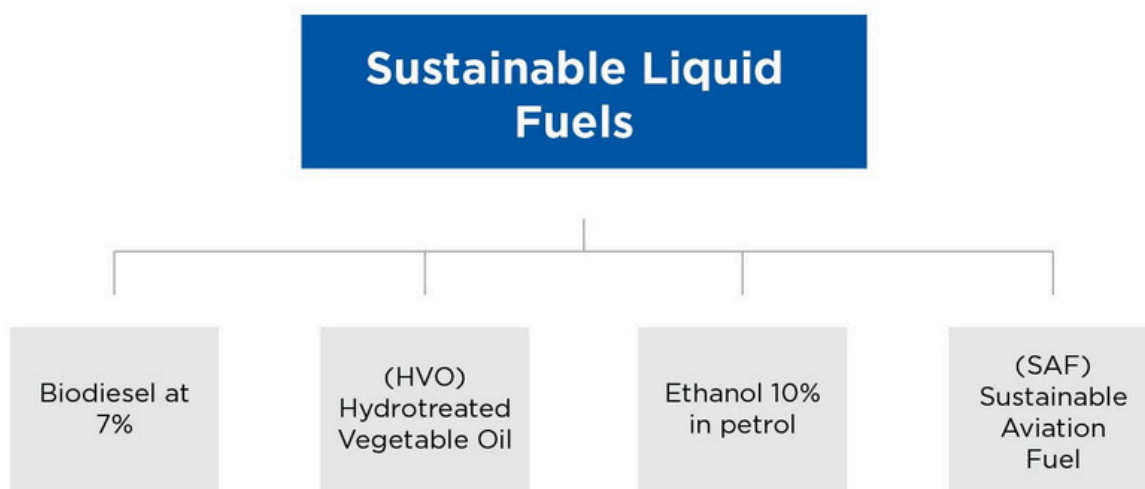
### Liquid Fuels: A Roadmap to Sustainability

Biodiesel, when blended at 7%, significantly lowers greenhouse gas emissions compared to conventional diesel. This reduction helps mitigate climate change and improve air quality. HVO, used in diesel engines without modifications, offers up to a 90% reduction

in CO<sub>2</sub> emissions along with enhanced engine performance and reduced maintenance costs due to its cleaner-burning properties.

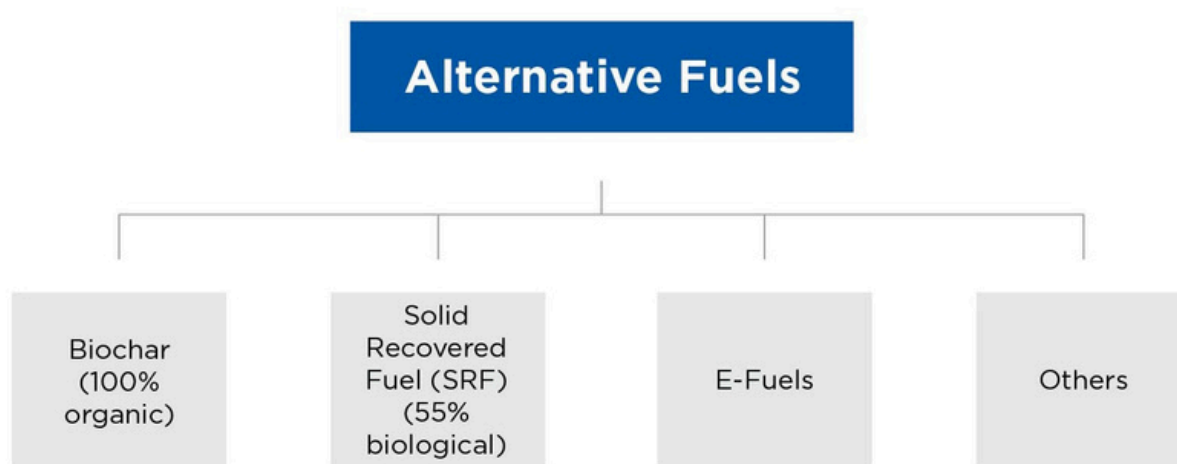
Ethanol, blended at 10% in petrol (E10), decreases carbon emissions and boosts octane levels, improving engine efficiency and performance. Sustainable Aviation Fuel (SAF) plays a critical role in reducing the carbon footprint of the aviation industry, which is a significant contributor to global emissions. SAF can reduce life cycle greenhouse gas emissions by up to 80% compared to conventional jet fuel. This reduction is vital for meeting international aviation emissions targets and promoting sustainable air travel.

Adopting these sustainable fuels not only helps in reducing the carbon footprint of various transportation sectors but also promotes energy diversity and security by decreasing reliance on fossil fuels. Overall, the use of biodiesel, HVO, ethanol, and SAF contributes to a cleaner environment, better public health, and a more sustainable energy future.



## Future Sustainability of Alternative Fuels

LCC Group sees opportunities for decarbonisation across industries in alternative fuels.



### Alternative Fuels: A Roadmap to Sustainability

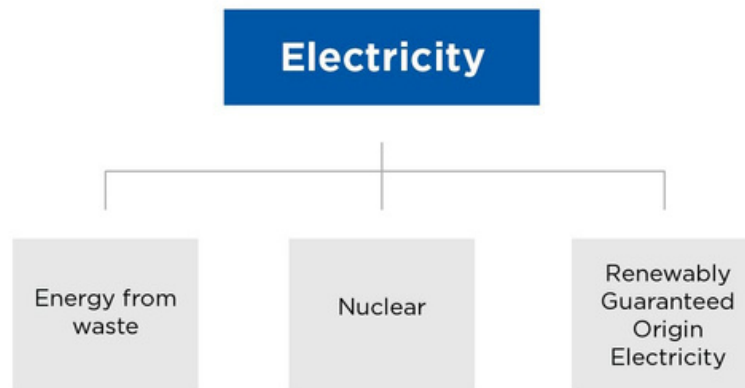
The adoption of alternative fuels like biochar, solid recovered fuel (SRF), and e-fuels presents significant opportunities for carbon reduction across various sectors.

Biochar, produced from biomass, sequesters carbon when added to soil, enhancing soil health while locking away CO<sub>2</sub> for centuries. SRF, made from non-recyclable waste with a high biological content, reduces landfill use and lowers greenhouse gas emissions by replacing fossil fuels in industrial processes.

E-fuels, synthesised using renewable electricity and captured CO<sub>2</sub>, offer a carbon neutral solution for hard-to-electrify sectors such as aviation and maritime transport. These fuels not only reduce carbon emissions but also promote sustainable waste management, improve energy security and support the transition to a low-carbon economy, fostering a cleaner and more sustainable future.

## Future Sustainability of Electricity

LCC Group sees opportunities for decarbonisation across industries consuming electricity.



### Electricity: A Roadmap to Sustainability

The shift towards electricity from energy from waste, nuclear energy and renewably guaranteed origin electricity presents substantial opportunities across various industries. Energy from waste (EfW) transforms waste into a valuable resource, reducing landfill use and providing a stable electricity source, which enhances energy security and promotes a circular economy.

Nuclear energy offers consistent, high-output, low-carbon electricity, supporting grid stability and helping industries meet carbon reduction targets. Meanwhile, renewably guaranteed origin electricity boosts sustainability credentials, attracts eco-conscious consumers, and can lower long-term energy costs as renewable technologies become more cost-effective.

Together, these energy sources drive innovation, support environmental goals, and foster economic growth, helping industries transition to a cleaner, more resilient energy future.



## LCC Group's Adoption of The Transition Plan Taskforce (TPT)

### The Gold Standard in Sustainability Reporting

The TPT's goals are to help organisations meet their climate goals, support the UK government's pledge to achieve net zero by 2050, and drive good practice based on three key principles: ambition, action, and accountability.

The TPT Disclosure Framework recommends disclosing a company's strategic climate ambition, implementation and engagement approaches, governance and accountability arrangements, and financial plans. Companies are expected to adopt the framework and start disclosing their transition plans from 2025 onwards, with the first reporting scheduled for 2026.

### The History of the TPT

- November 2021: The TPT was announced at COP26.
- April 2022: The TPT began operations and HM Treasury launched it to establish a gold standard for corporate climate transition plans.
- May-July 2022: The TPT called for evidence on a sector-neutral framework.
- October 2022: The TPT began a sandbox on the Disclosure Framework and Implementation Guidance, focusing on transition plan preparers.
- November 2022: The TPT began a consultation on the Disclosure Framework and Implementation Guidance
- February 28, 2023: The consultation on the Disclosure Framework and Implementation Guidance closed.
- July 27, 2023: The TPT published a Status Update that included next steps, timelines, and consultation feedback.
- October 2023: The TPT launched its Disclosure Framework, which includes recommendations for transition plan disclosures.
- November 2023: The TPT launched seven draft Sector Deep Dives, including one on banks, which are open for consultation until December 29, 2023

### Aligning LCC Group with UK Targets

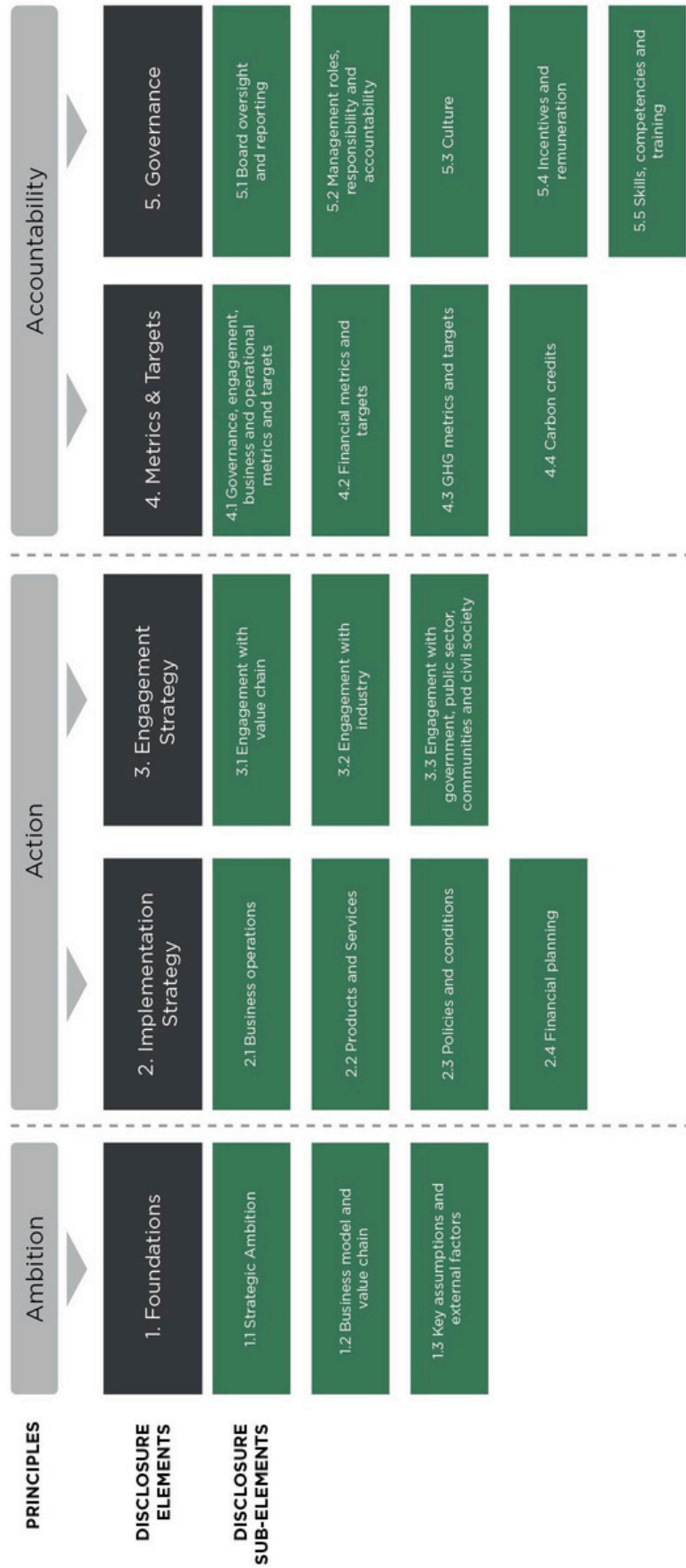
The UK government aims to reduce all direct emissions from public sector buildings by 50% by 2032 and 75% by 2037 respectively this is against a 2017 baseline. All UK emissions are to reach net zero by 2050.

LCC Group has seen a substantial reduction in its direct emissions since its baseline year in 2022 with an overall reduction in emissions in 1 year by an impressive 1,303,821 tonnes CO<sub>2</sub>e and a further reduction in the second year of a further 624,418 tCO<sub>2</sub>e.

# The TPT Disclosure Framework

The Transition Plan Taskforce (TPT) was launched by HM Treasury to develop a gold standard for best practice climate transition plans. The Taskforce includes organisations from finance, the real economy, government, regulators, civil society and academia. The Disclosure Framework helps organisations set out a credible and robust climate transition plan as part of annual reporting on forward business strategy.

Transition plans should take a strategic and rounded approach which explains how an organisation will meet climate targets, manage climate-related risks, and contribute to the economy-wide climate transition. Transition planning is an iterative process, and companies should get started now.



## LCC Group's Adoption of The Transition Plan Taskforce (TPT)

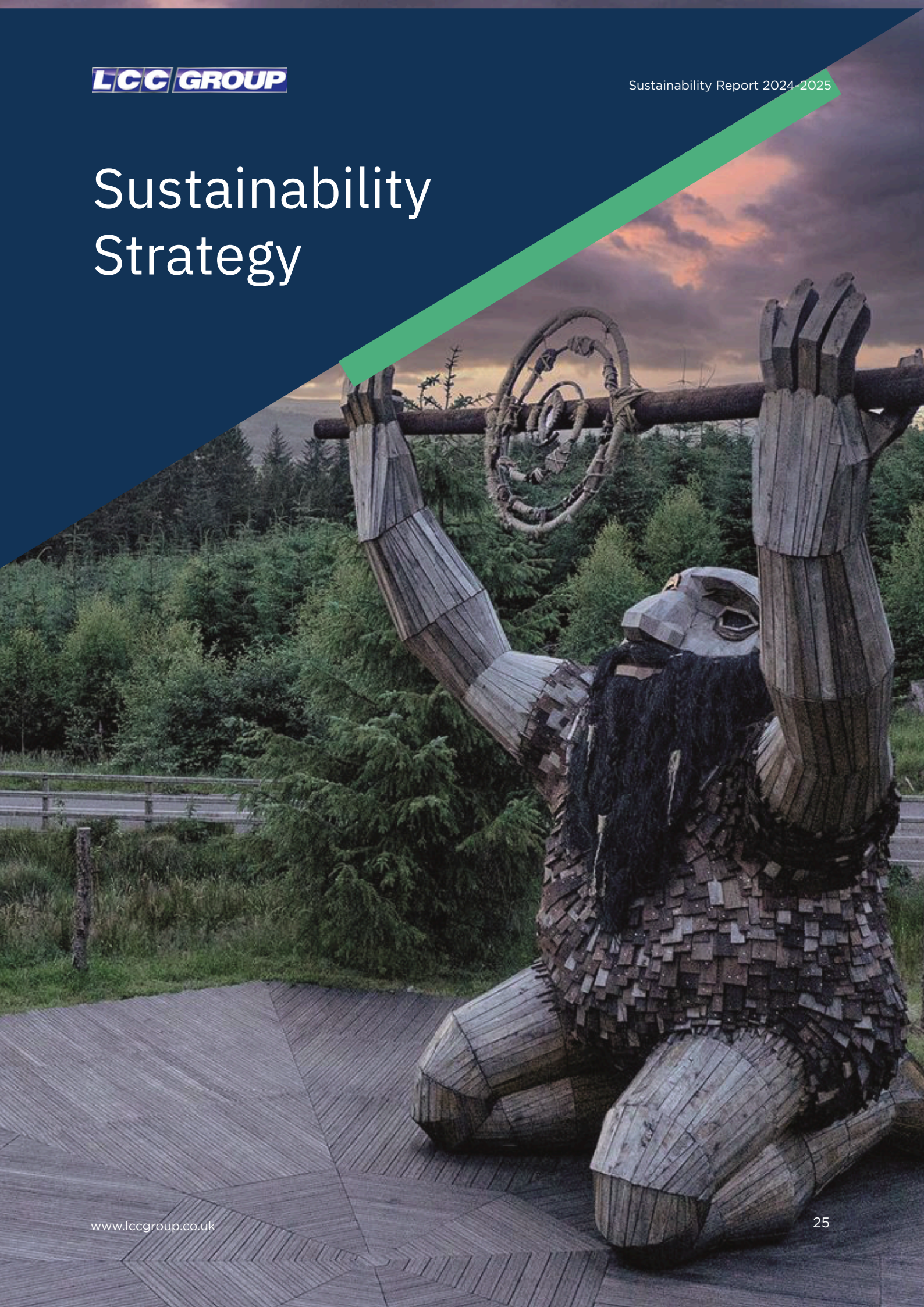
LCC Group applies the TPT to direct its efforts in achieving net zero.

LCC Group is fully committed to develop its reporting on carbon to the highest possible standards and to explain its aims and goals in line with the principles of the TPT.





# Sustainability Strategy





## Framing the International Agenda

### Our Business Approach to Climate Change

At COP28, there were renewed commitments on energy transitions and gradual phase out of fossil fuels to meet with global climate ambitions. More countries, including the Republic of Ireland, have signed up to the Powering Past Coal Alliance (PPCA)\* which underscores the global drive to transition from unabated coal power generation to clean energy.

In Europe, the European Green deal targets a net zero by 2050. Similarly, the United Kingdom has pledged a net zero target by 2050. Northern Ireland has also set a target of a 100% reduction in greenhouse gas (GHG) emissions by 2050.

In the United States while President Trump has realigned their emissions reductions, projects continue apace set in motion by the Green New Deal, part of the Inflation Reduction Act.

Given these commitments and the critical nature of our business in providing access to energy, we are committed to making positive strides in the environment through an integrated value chain that meets these climate objectives. We aim to achieve this by transitioning our business operation emissions to alternative sources of energy and diversifying the energy mix.

This sustainability report sets out the actions we have taken so far to achieve our commitments and sets the objectives that we will work towards to achieve the targets set by the Northern Ireland Climate Change Act and the European Green Deal.

### Our Journey to Carbon Neutrality by 2036

The LCC board acknowledge the necessity to transition towards a sustainable business model, demonstrating our purposeful action against climate change and alignment with local, regional and global climate ambitions.

Recognising the urgency and scale of the concern, we affirm our pledge and commitment to our decarbonisation plan. Together with management, we are committed to systematically reducing our greenhouse gas emissions across all aspects of our operations, especially our Scope 1 and 2 emissions.

## Framing the International Agenda

### The UK's Decarbonisation Policy

In November 2008, the UK passed the Climate Change Act with an overwhelming majority across political parties.

The 2008 Climate Act committed the UK to reducing its greenhouse gas emissions by 80% by 2050 compared to 1990 levels, formed the Committee on Climate Change, and established UK carbon budgets. In June 2019, this was strengthened, committing the UK to bring all greenhouse gas emissions to net zero by 2050. This is referred to as the UK net zero target.

The UK was the first country to set legally binding carbon budgets, which place restrictions on the total amount of greenhouse gases the UK can emit over five-year periods. To date, six carbon budgets have been set, up to 2037. For the purposes of international reporting, emissions are measured and reported on a 'whole of UK' basis through the UK's Greenhouse Gas Inventory. This is also the basis for the UK's Nationally Determined Contributions (2), which give a single, economy-wide emissions reduction target for England, Scotland, Wales, and Northern Ireland together.

Most aspects of climate change and decarbonisation policy are devolved matters. There are complexities within this, as some related areas (including energy security, and some aspects of energy efficiency) are reserved matters with policy made on a 'whole of UK' basis. However, for the most part decarbonisation of the public sector in the UK is a collective effort, with differences in approach between the administrations at Westminster, Holyrood, Stormont and the Senedd.

1. The Climate Change Act 2008 (2050 Target Amendment) Order 2019.

1. National Determined Contributions (NDCs) are international emissions reductions commitments made under the UNFCCC framework.

## Framing the International Agenda

### Rolling out Decarbonisation across the UK

There are a number of policies in place to reach the UK net zero target, which for England are summarised in the Net Zero Strategy (Build Back Greener) 2021, updated in 2022, which builds on the 2020 Ten Point Plan for a Green Industrial Revolution.

Further updates were made in the 2023 policy paper Powering Up Britain. The Scottish Government has set a target date for net zero emissions of all greenhouse gases by 2045. This includes the Scottish public sector. The Welsh Government has set out the ambition for the public sector in Wales to be net zero carbon by 2030. In 2021, Wales published its Net Zero Carbon Status by 2030: Public Sector Route Map which provides an overview of the actions and milestones needed for the Welsh public sector to reach this ambition.

Net Zero Wales sets out the target for Wales to be net zero by 2050. In Northern Ireland, The Energy Management Strategy and Action Plan to 2030 was formally adopted by the NICS board in January 2019. This strategy sets a target for Central Government to reduce net energy consumption by 30% (from a 2016/17 baseline) by 2030. Since the strategy launch, Northern Ireland has passed its first climate legislation, The Climate Change Act (Northern Ireland) 2022, mandating a net zero emissions target for 2050. This Act also identifies 'Public Buildings' as a specific sector.

In November 2022, ahead of COP27, the UK joined the Net Zero Government Initiative as a partner and signatory. This Initiative is led by the United States and participants agreed to develop and publish a roadmap laying out how they would bring their government emissions to net zero by 2050.

The UK government aims to reduce all direct emissions from public sector buildings by 50% and 75% by 2032 and 2037 respectively, against a 2017 baseline. All UK emissions are to reach net zero by 2050. There are also ambitious targets within each of the four nations. Scotland aims to reach net zero from all emissions by 2045, Wales has an ambition to reach net zero emissions in its public sector by 2030, and Northern Ireland aims to reduce its government emissions by 30% by 2030 (from a 2016/17 baseline year). These key targets demonstrate the UK-wide commitment to reaching net zero goals within government and beyond.

## LCC Group's Sustainability Strategy

*In 2024 LCC Group has already made a significant reduction in its CO2e footprint since its baseline year.*

In the Net Zero Strategy the UK set a target to reduce emissions from public sector buildings by 50% by 2032 and 75% by 2037 against 2017 levels.

*2024 saw an overall reduction in the CO2e footprint of LCC Group across Scope 1, 2 & 3 was 20.5% on the baseline year of 2022-2023.*

Although detailed Scope 3 records are not available for this period, a summary of the steps towards net zero are listed below:

- LCC Group is already distributing 100% renewable energy to its electricity customers in the Republic of Ireland.
- LCC Group has observed a significant reduction in emissions over this period and plans to further decrease the use of thermal coal, with the goal of eventually eliminating it entirely. Although this is an immediate and absolute priority for the group, we currently project that all emissions from coal burning for industrial purposes will be eliminated by 2046. This timeline is a contingency measure, as our aim is to achieve this reduction by 2026 if at all possible.
- LCC Group is a leading force in the adoption of HVO, actively rolling out the product across its Go Station network. We are optimistic that the product will gain traction in both domestic and commercial markets over the coming years. However, we anticipate that the adoption of 100% biological alternatives to current fuels will not be fully realised until 2046, due to the uncertainty surrounding government policy and the inability to predict cross-market price fluctuations in the coming years.
- Although LCC Group is prepared to purchase Guarantees of Origin (GOs) and Renewable Guarantees of Origin (REGOs) to offset emissions, the group's primary environmental goal is to reduce direct emissions through investment. Offsetting will be reserved for persistent and unavoidable emissions within the group.



## LCC Group's Sustainability Strategy

The increased momentum for energy consumption has propelled us to evolve as a business and provided opportunities to target. At LCC Group, we have a strong track record of rising to meet the everchanging demands of our customers.

As a fair, accountable, effective and proactive energy distributor, we see opportunities for LCC Group to be an effective energy transition provider and change agent as part of the global shift in energy demand.

We have the established structures, competitive advantage and strong market position to provide reliable, affordable and flexible energy, as clean energy technologies scale-up and reach maturity in the longer term.

As countries strive towards net zero targets in the 2050, 2060 and 2070 time horizons, we see opportunities to consolidate our market position and offer more effective services through economies of scale. Our business is underpinned by key resources, relationships and enablers that drive our ability to operate in an efficient manner and on a continuous basis.

We will continue to use our leadership position to help steer positive changes across the energy industry and engage and adapt our business model to the changing policies and investment landscape. We aim to position our business to meet the unique challenges while seizing the strategic opportunities in the energy consumption, so we remain an industry leader for years to come.

We are continuously improving the carbon performance of products and services we provide.

We promote a positive culture of ethical behaviour and effective governance.

We foster a strong communication culture within the Group by creating a flow of information up, down and across the organisation.

Our integrated business model benefits from the efficient allocation of capital and continuous business improvements across LCC Group.

We encourage a culture where managers and staff feel motivated and empowered to contribute to the organisation and where communication and sharing of knowledge is seen as a joint responsibility.

## LCC Group's Sustainability Strategy

### Our Sustainability Strategy

LCC Group commits to a more sustainable transformation in the coming years. Our strategy includes tangible initiatives for reducing our environmental footprint and focuses on driving our business towards cleaner and sustainable sources of energy. For that we have chosen to focus our sustainability strategy on:

**Reducing Carbon Emissions:** We strive to reduce our operational carbon emissions and achieve carbon neutrality by 2050. To perform this, we aim to enhance our efficiencies, reduce fuel usage, and promote the use of alternative and cleaner fuels in our operations.

**Transitioning to Cleaner Fuels:** We aim to continually replace a portion of our fossil fuel portfolio with alternative and environmentally friendly fuels such as HVO, Biofuels, ethanol and biodiesel. We aim to increase the proportion of these sustainable fuels in our portfolio by the end of 2030.

**Promoting Renewable Energy Sources:** We devote a part of our annual investment towards the research and development of new and promising renewable energy technologies. Expanding our renewable energy portfolio is one of our primary aims for the next decade.

**Supporting Sustainable Aviation:** We aim to progressively substitute a portion of our aviation fuels with Sustainable Aviation Fuels (SAF), planning to integrate 10% of all aviation fuels with SAF by the end of 2030.

### Embracing Circular Economy Principles:

We endeavour to leverage our waste residuals, recycle and re-use them, thus reducing our overall waste generated.

### Developing Sustainable Infrastructure:

We continually invest in developing sustainable infrastructure that promotes the use of renewable energy, encouraging clean transportation. As part of our initiative, we have begun implementing EV charging stations at our fueling stations. We currently have one in operation at our Banbridge site and will be adding another in Cloghan by 2025. Our roll out is dependent on adequate supply of electricity, infrastructure investments from NIE and availability of adequate space at our locations. We are committed to, where possible, establishing charging stations at all viable locations by 2036.

### Community Engagement and Education:

We commit to engaging with our communities, sharing knowledge about the importance of environmental conservation and sustainable practices while supporting initiatives that promote sustainability locally.

### Demonstrating Corporate

**Responsibility:** We continue to strive to be a responsible corporate entity, ensuring compliance with all regulations and guidelines set by government and regulatory bodies.

### Employee Training and Engagement:

For us to be successful in this transformation, it's critical to ensure our employees are well trained and motivated. We have initiated an employee engagement program to educate and elicit their ideas to drive our sustainability strategy forward.

## LCC Group's Sustainability Strategy

### Carbon Emission Reporting

#### Baseline Year for Emissions: 2022

Baseline emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions.

LCC Group has recorded emissions in line with its reporting requirement as a large company. The group has defined its baseline year as 2022, given this was the first year figures were available. GO's (Guarantees of Origin) and REGO's (Renewable Guarantees of Origin) for 2023 have not yet been finalised and audited. Baseline emissions are the reference point against which emissions reduction can be measured. Figures for 2022 have been revised, only where necessary, in line with data updates, clarification of conversion factors and revised electricity fuel mixes.

#### Baseline Year: 2022

Additional Details relating to the Baseline Emissions calculations.

- LCC Group have taken our baseline year as 2022 due to incomplete data until this point.
- LCC Group will be carbon neutral on its Scope 1 and Scope 2 emissions by 2036
- LCC Group aim to be net zero by 2046 a goal achievable with support from upstream suppliers and downstream customers
- Refrigeration/cooling system data has not been included in Scope 1
- \*\*Scope 3 emissions are estimates based on standard emission data statistics from 360 energy
- \*\*\*Kerosene emission average from energypedia.info, derv from natural-resources.canada.ca unleaded from www.comcar.co.uk
- \*\*\*\* Ethanol, FAME and HVO as natural products have not been included as emitters of CO<sub>2</sub>
- \*\*\*\*\* Scope 3 emissions do not currently include upstream sources or emissions from natural gas
- \*\*\*\*\* An estimate of 20% of our downstream scope 3 emissions has been given for the emissions made by our upstream suppliers regarding refining logistics and related processes.

Table 1: Baseline Year Emissions

Baseline Year Emissions: 2022	
Emissions	tCO <sub>2</sub> e
Scope 1	2,598
Scope 2	990
Scope 3	6,355,280
Total Emissions	6,358,868

## LCC Group's Sustainability Strategy

### Our Roadmap to achieve Carbon Neutrality

At LCC Group, we understand the urgent need to address climate change and recognise our responsibility as an energy company in this global challenge. Our sustainability agenda reaches beyond our corporate social responsibility; it embodies a strategic initiative to gradually transition our business practices towards a sustainable, low- carbon future.

This upcoming section of the report provides an outline of our comprehensive roadmap for carbon neutrality. Each sub-section represents a strategic priority in our sustainability journey, embodying our firm commitment towards lowering our carbon footprint.

The roadmap encompasses our short-term goals, and we intend to update this roadmap as we progress, based on new technologies and the evolving market regulations. To further enhance our sustainability commitments, we plan to conduct a thorough climate scenario analysis. This analysis will shed light on potential climate-related risks and opportunities over the medium and long term, further refining our roadmap.

### Reducing Our Carbon Emissions

We are working hard to deliver a sustainable transport model.

Most of our transport of products by road is by our own coal and fuel trucks, with the remainder transported by contractors or customers. We are focused on developing initiatives that allow us to promote efficiencies and reduce total distance driven, fuel consumption and ensure that we are selecting the most efficient mode of transport. We currently have Initiatives in place to optimise transport use include GPS route planning; load optimisation; fleet management; and engine idling alerts.

At our Go Fuel Stations, we utilise full-stage two vapour recovery pumps on site, which collect the vapours from the nozzle and vacuum them back into the tank, minimising vapour release into the atmosphere. We also employ a system on all sites, which continuously monitors fuel stock ensuring any risk of contamination is minimised.

Our partnership with The Change has seen us committing substantial funds to research and development initiatives. This investment is geared towards identifying new intellectual property aimed at enhancing the efficiency of coal processing. In turn, this will enable us to diversify and penetrate new material markets.



## LCC Group's Sustainability Strategy

### Transitioning to Cleaner Fuels

We hold the chair of Fuels for Ireland and have led the organisation towards a more sustainable future also holding active membership of the Biofuels Obligation Scheme and through this we continuously strive to lead the green transition, to replace carbon intensive fuels with carbon neutral biomass and non-fossil fuels. Biofuels can help reduce emissions in transportation and can be used in existing cars and infrastructure without major changes.

**Hydrotreated Vegetable Oil (HVO):** We actively promote the use and sale ("HVO") as a low carbon, low emission, fossil-free and sustainable alternative to conventional fossil diesel. It is fully interchangeable with conventional diesel and can be mixed at any percentage. HVO fuel is synthesised through the hydro-treatment of vegetable oils, which eliminates up to 90% of net CO<sub>2</sub>e emissions and significantly reduces nitrogen oxide ("Nox"), particulate matter ("PM") and carbon monoxide ("CO"). As of now, the importation of HVO occurs in small quantities via road tankers from the UK. We have extended the availability of HVO to our commercial and industrial customer through a series of on site filling capability for what where previously fleets run on diesel. We aim to execute test runs at selected GO stations in Northern Ireland, UK and the Republic of Ireland in 2025. Phased operation continued through 2024 having begun with our flagship site at The Outlet Dungannon. This expansion will facilitate the import and distribution of HVO on a larger scale. With successful trials at our GO stations, we are committed to distributing HVO at all our GO stations by 2036. This rollout is a phased operation which began in 2024.

**Ethanol:** We have initiated a strategic operation to import, blend and supply denatured ethanol. Currently, we are successfully incorporating a blend of 10% denatured ethanol into our unleaded fuel supply, actively reducing our reliance on non-renewable fossil fuels, subject to the fossil fuel base grade being reduced by refiners and the output being compatible with conventional engines. We intend to increase the percentage of ethanol in our petrol where and when advances in technology allow increased capability to deliver fuel that will be effective in the fuel tanks of our customers.

## LCC Group's Sustainability Strategy

**Biodiesel (FAME - Fatty Acid Methyl Ester):** We successfully ventured into the importation, blending and supply of FAME Biodiesel, a sustainable solution manufactured from recyclable materials such as waste animal fats, used cooking oil and waste residues. At present, we are integrating a 7% blend of this biodiesel into our road transport fuels significantly offsetting the environmental impact of traditional fuels. We plan to extend this 7% blend into non-road mobile machinery in commercial and agricultural sectors during 2024 and offer 7% blends in commercial heating gas-oil fuels throughout 2025.

**Animal By Products (ABP) & Used Cooking Oil (UCO):** We are presently registered with the Department of Agriculture, Environment and Rural Affairs (DARO) for the licensed purchase, trade and distribution of category 1 Animal by Products (ABP) that can potentially be susceptible to Bovine Spongiform Encephalopathy (BSE). These ABPs serve as feedstock for local Bio Diesel producers in Ireland. Post processing, we procure the finished biodiesel to blend with fossil fuel diesel and gas oil at our terminal. Our strategic focus on ABPs and UCOs further emphasizes our commitment to a more sustainable future.

### Promoting Renewable Energy Sources

Go Power presently serves as a leading supplier of electricity and natural gas to Commercial and Industrial (C&I) sectors throughout Northern Ireland and the Republic of Ireland (ROI). As a part of our unwavering commitment to sustainability and renewable energy, we decisively enhanced our strategy in 2023. During the past two years, Go Power executed Power Purchasing Agreements (PPAs) with various renewable energy generators.

### Supporting Sustainable Aviation

#### *The use of Engineered Anthracite in the production of Water Filtration Media*

Part of our ongoing initiative is to progressively reduce supplies of industrial coal for thermal power stations within the shortest time frame possible. One key use of anthracite from our facility in Wales is the production of water filtration media. The plant currently produces media that cleans approximately 5% of the world's demand for filter media, enabling access to clean, fresh drinking water.

We recognise the need for sustainable alternatives in aviation. We have commenced preparation work to construct new import tanks at our LSS depot, a project that will facilitate the import of additional volumes of biofuel. We are also exploring technology opportunities to produce SAF in-house.

## LCC Group's Sustainability Strategy

### Embracing Circular Economy Principles

We support the principles of the circular economy. Our activities give rise to several residual by-products, such as coal residues, dust and other production by-products. To reduce the waste generated from our processes, we maximise our reuse of these by-products in the production loop, largely avoiding disposal. For example, we blend coal fines of various chemical characteristics as an additive to produce product-specific, value added blended coal products. These are more efficient and of higher value to industrial global customers. This delivers significant cost savings and reduces the overall quantity of raw materials used in the fuel blending process.

### Developing Sustainable Infrastructure

We continue to monitor grid infrastructure capacity and Electric Vehicle (EV) user demand to be able to roll out EV charging facilities at GO sites and alternatives for other elements of the charging infrastructure so as to provide commercially and practically feasible access to EV points in the future.

In addition to this, we continue to consider the optimisation of liquid and solid fuels so as to facilitate a green transition including being involved in the production of future and high grade materials through investment in technologies that will enable clean liquid and solid fuel consumption.

### Projects Undergoing Feasibility Studies

In addition to the initiatives we are embarking on to meet the carbon reduction targets, we are investing in research and development and have envisioned an assortment of sector-wide initiatives and projects to reduce our carbon emissions, thereby propelling us closer to our ultimate goal of carbon neutrality.

Each of these projects is currently being studied in detail, factoring in feasibility, cost implications, potential carbon savings, and regulatory considerations. The most compelling projects will then form an integral part of our strategic move towards sustainability.

## LCC Group's Sustainability Strategy for 2025

Some examples are described below:

### Hydrogen

LCC Group is investigating the usage of “Green” Hydrogen across their operations in partnership with the Industrial Energy Transformation Fund. Methods of production will include biogas, electrolysis and large-scale production across the company.

“Blue,” hydrogen is also being considered by the group as an opportunity to generate synthetic.

E fuels and as a source of direct fuel that could be injected into the gas network. The group is actively searching for carbon capture technologies that are applicable for land based solid fuel gasification to realise a truly green method of capturing solid carbon and reducing emissions.

### Animal By-Products (ABP) and Used Cooking Oil (UCO)

As part of our ongoing commitment to increasing sustainable energy resources, we are setting our sights on significant investments to upgrade and expand our storage terminals.

This project primarily aims to refurbish our storage tanks, enabling optimal heating and lagging, while simultaneously enhancing truck loading and unloading facilities.

A standout feature of this initiative is our goal to augment our storage capacity for two crucial components - Category 1 & Category 3 Animal By-Products (ABP) as well as Used Cooking Oil (UCO) for infrastructure to supply these feed stocks for bio fuel production.

### Battery Material Production

LCC Group have begun to consider the development of new carbon-based materials having started the registering of patents on a series of uses of solid carbon for new materials including Graphite, Graphene and Carbon Nanotubes. Our work includes the exploration into potential production of critical materials from the EV battery industry. Graphite is seen as a critical material to the UK EV battery industry.



## LCC Group's Carbon Reduction Plan for 2025

LCC Group is committed to achieving carbon neutrality in its Scope 1 and 2 emissions by 2033. We believe our continued investment in decarbonisation and high focus on efficiencies will make this possible.

We have set goals for future years with a baseline set in 2022. We expected our carbon emissions to increase in 2024 because of increased business activity and an unexpected demand for processed solid carbon materials in 2023. However, due to an unexpected increase in demand for processed solid carbon materials coupled with a reduction in demand for thermal coal, our emissions decreased.

As an energy company who supply electricity, gas, liquid fuels and solid carbon products, it is our Scope 3 emissions that are the most significant. The group is running a series of high-impact initiatives, with the interest and support of customers, we are fully committed to a Scope 3 emission reduction in line with the UN target for net zero by 2050. Within Scope 1 and 2, LCC Group is committed to using renewable fuels for our organisation.

Evidence of this commitment includes a series of developments at LCC Group. In regard to gas, we are exploring the use of hydrogen and biomethane injection into the gas network. LCC Group continues the effort through sourcing of megawatts of biomethane output from Tyrone Energy.

## LCC Group's Carbon Reduction Plan for 2025

### Approaches to Carbon Reduction

In our liquid fuel division, LCC Group has been blending ethanol as a biological additive to petrol and is currently blending FAME/ Biodiesel for use in our own fleet and with our customers.

We began supplying HVO in 2023 as a drop-in replacement for diesel. LCC Group distributed 1.6M litres of HVO in our first year. Go Power, our electricity division, supplied our customers in the ROI with 100% guaranteed origin (GO) renewable electricity in 2023-2024. LCC Group traditionally processed steam coal for thermal purposes. Today, the group has moved towards processing coal into carbon products and additives for use in industry and manufacturing. This move has dramatically reduced our Scope 3 emissions, when compared with our base line figures.

These combined approaches will enable LCC Group to reduce our Scope 1 and Scope 2 emissions to zero by no later than 2036. Leveraging support from our upstream supply chain and downstream customer base, we anticipate achieving full net-zero status by 2046, ahead of the global 2050 target when including Scope 3 emissions.

LCC Group is a supplier of carbon products and thus is unable to meet a net zero mission without the support of its upstream and downstream partners. As a result, LCC Group has set a carbon neutrality target whereby both Scope 1 and Scope 2 emissions are reduced to zero by 2036 as a first step.

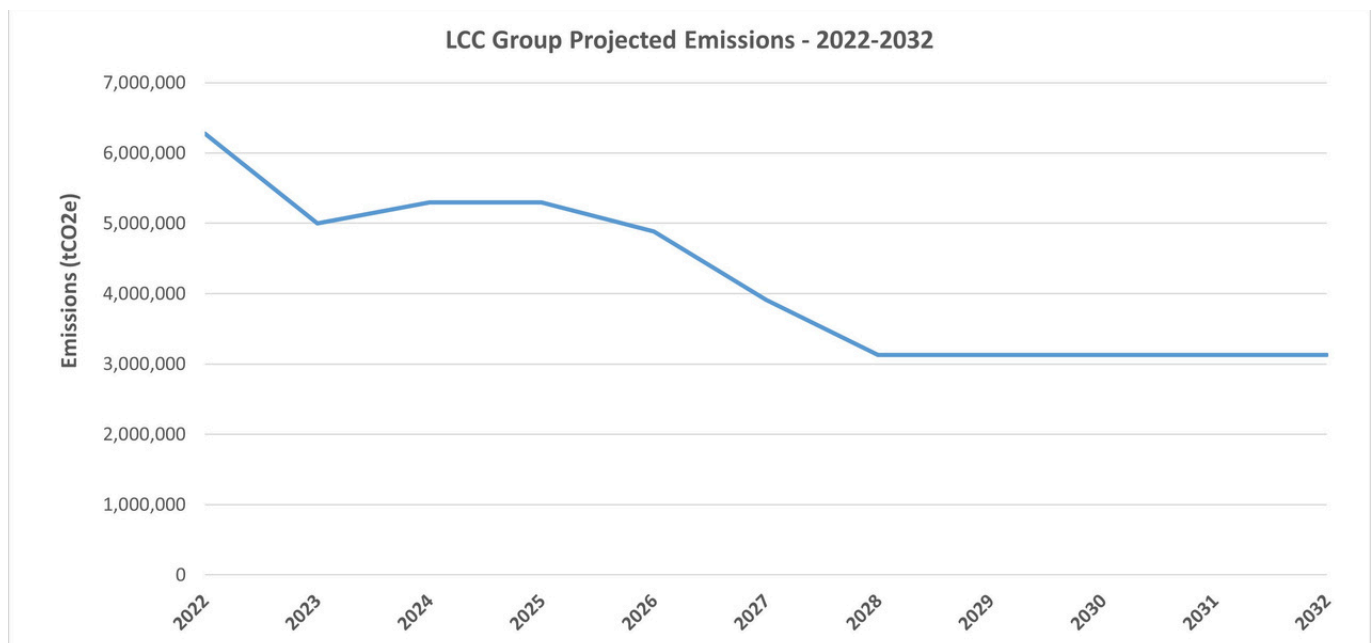
## LCC Group's Carbon Reduction Plan for 2025

### LCC Group's 2032 Carbon Reduction Estimates

#### 2032 - 50% reduction

LCC Group is on track to hit an overall reduction of emissions across Scope 1, 2 and 3 to 49.86% of our baseline 2022 levels by 2032. This is in line with the 2032 target of reducing emissions by 50%.

Figure 1: Projected Emissions 2022-2032



### Projection based on 2024 Overall Emissions

#### Explanation of flatlines across our strategy 2022 - 2032

LCC Group aims to deliver a clear consistent carbon reduction strategy. LCC Group will focus its efforts on reducing emissions as quickly as possible however we endeavour to be both authentic and accurate in our predictions requiring the below caveats to be made:

- An expectation of increases in overall Scope 3 emissions due to full disclosure of emissions from our supply chain.

## LCC Group's Carbon Reduction Plan for 2025

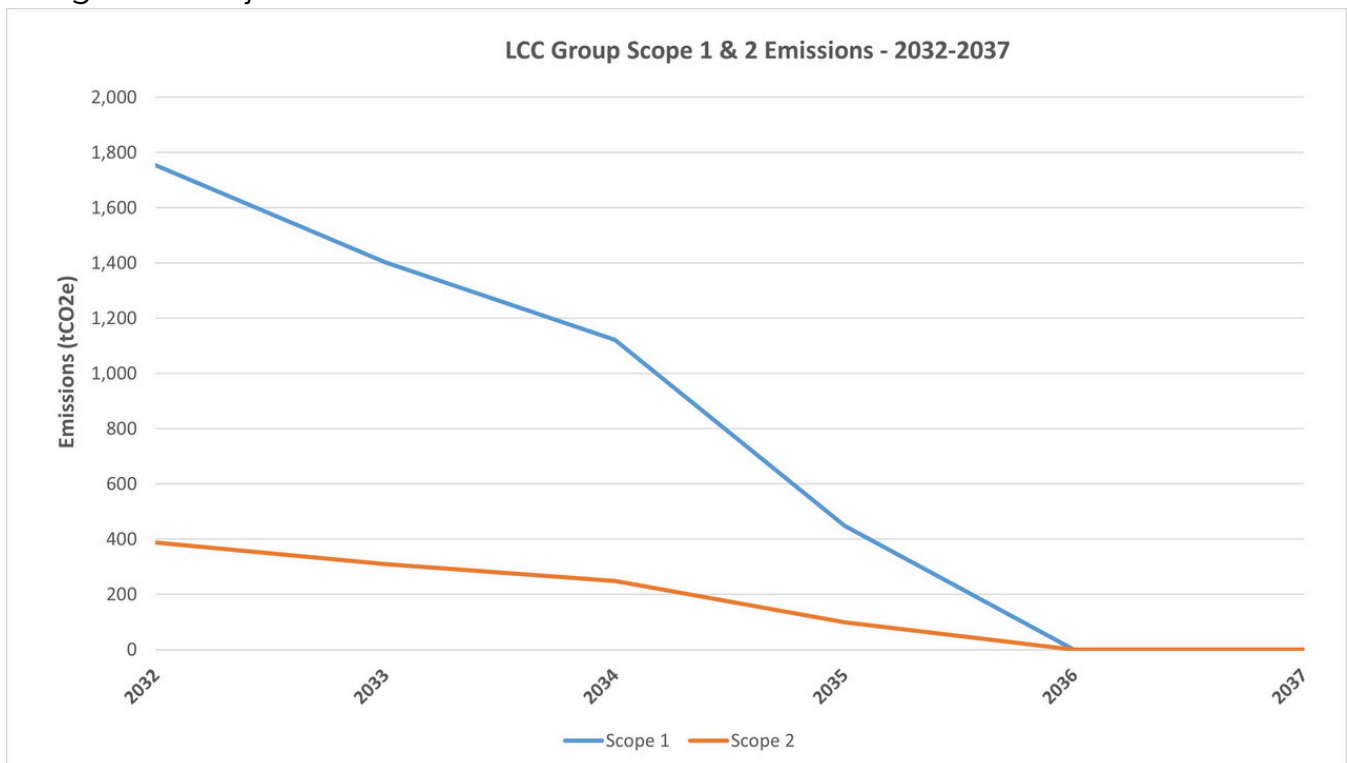
### LCC Group's 2037 Carbon Neutrality Target

#### 2037 - 75% reduction

LCC Group is on track to achieve a 100% reduction on Scope 1 and 2 emissions by 2037, using offsetting only where essential. This goes beyond the UK target and demonstrates LCC Group's absolute focus on its transition, and how the group wishes to set an example for suppliers, customers and competitors to follow.

Regarding our Scope 3 emissions, LCC Group still expects public demand for diesel, kerosene and natural gas to exist. Therefore LCC Group expects the wider UK to miss its 2037 target of a 75% emission reduction unless government policy dictates or mandates alternative fuel products.

Figure 2: Projected Emissions 2032-2037



LCC Group plans to replace the oldest vehicles in its fleet by 2036, resulting in the last of the group's emissions from this source being removed. LCC Group believes that any move towards a more rapid replacement would increase Scope 3 emissions due to the adoption of new vehicles before the lifespan of existing vehicles had been fully depreciated.

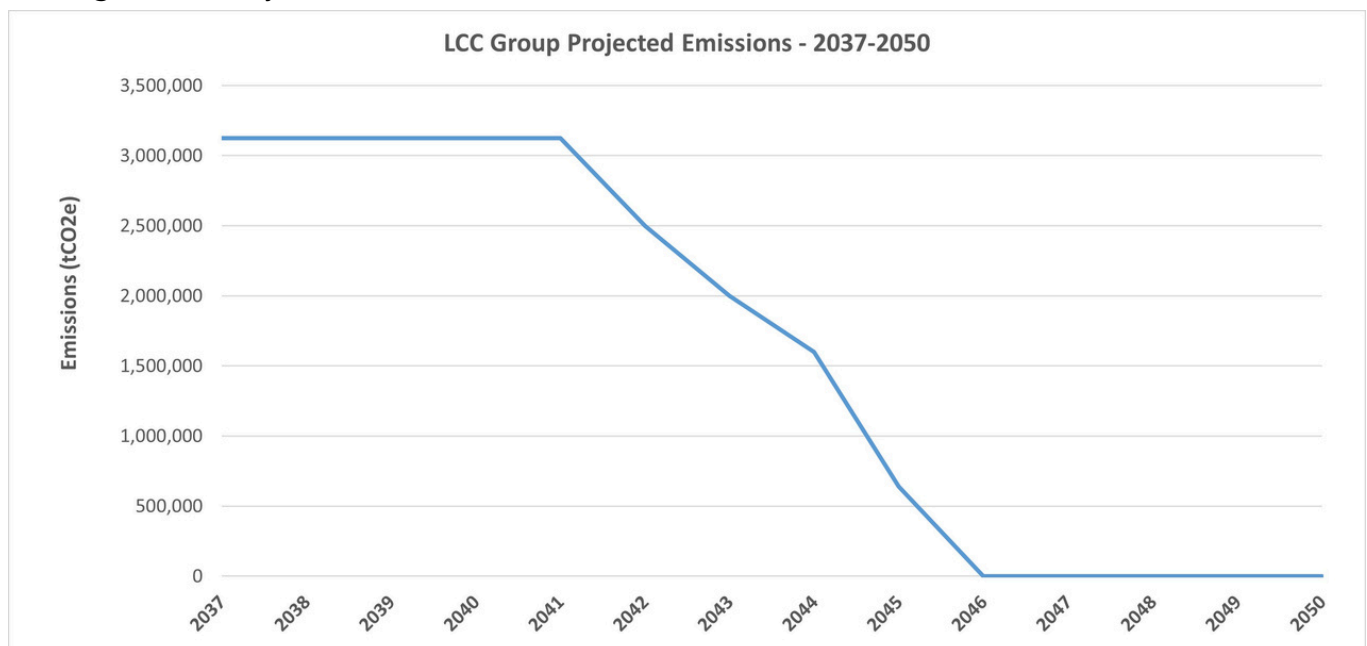


## LCC Group's Carbon Reduction Plan for 2025

### LCC Group's Target of Net Zero by 2046

LCC Group achieving carbon neutrality on its own emissions in 2036 will support government initiatives and continue to lead the way in the decarbonisation transition through investment. As a result, we hope to ensure our Scope 3 emissions can reach zero by 2046, again beating the wider UK target for 2050.

Figure 3: Projected Emissions 2037-2050



#### Explanation of flatlines across our strategy 2037 - 2050

LCC Group aims to deliver a clear consistent carbon reduction strategy. LCC Group will focus its efforts on reducing emissions as quickly as possible, however we endeavour to be both authentic and accurate in our predictions requiring the below caveats to be made:

- Despite significant effort on the part of LCC Group towards a net zero strategy, gaps in governmental policy, availability of finance for the transition from fossil- derived fuels to green fuels and a lack of price competitive and readily available renewable fuels have required LCC Group to be conservative in its prediction of its carbon neutrality (Scope 1 and 2) and net zero strategies.

# Governance

## LCC Group's Corporate Governance

### Our Business

LCC Group is the leading energy and product supplier in Ireland & the UK, handling and delivering domestic and industrial carbon additives and products at all levels of the supply chain.

Since our establishment in 1986, we have effectively connected energy demand with accessible supply, thereby meeting the energy demands of our customers. Our existence as a corporate entity has been fuelled over the years by providing personalised and dedicated services to our customers, centred on a strong work ethos of equality, responsibility, and accountability.

We are a fair, accountable, and effective energy distributor, whose operations hinge on connecting energy demand with associated supply.

### Our Brands

As part of our business, we operate a diverse portfolio of companies, each with a unique focus on energy production and distribution, contributing significantly to our overall business goals and aspirations.



## LCC Group's Corporate Governance Plan 2025

### Our Values

At our organisation, our core values serve as the guiding compass for all our actions and decisions. LCC Group's values are centred around customer focus, innovation, independence, fairness, empathy and the environment.

### Our Focus

The world has changed a great deal since the establishment of the company in 1986, but our reason for being - our why - has not. Our strategic focus is on continuously improving the quality of products and services we provide and ensuring that our systems and processes allow us to deliver on those objectives.

To successfully deliver on these objectives, we promote a positive culture of ethical behaviour and effective governance. At the core of our business operations is our mission, vision, and values. These are the hallmarks of our corporate existence, and we strive to live by them every day.

### Customer Focus

We aim for excellence and professionalism in the delivery of our services. We will meet defined quality standards and continuously review our performance to ensure that the customer remains at the heart of everything we do.

### Innovation

We will deliver continuous performance improvements and avail of best practice methods for delivering first-class service and products in doing so enhance confidence in our brand.

### Environment

We are committed to a renewable-based future, replacing traditional fuels with renewable alternatives, wherever that is viable and possible.

#### Independence

We will examine complaints, conduct reviews, and make decisions in a fair, objective and impartial manner.

### Fairness

Treating all people with respect, dignity and fairness is fundamental to our relationships with all stakeholders.

### Empathy

We will listen carefully to our customers with a view to understanding and being sensitive to their concerns.



## LCC Group's Corporate Governance Plan 2025

### Our Corporate Governance

We have established an appropriate governance structure, along with a set of core values, which provide a clear direction to all employees and suppliers about how we expect everyone working for and with LCC Group to behave: ethically and in accordance with our policies and standards.

The company's sustainability and ethical practice applies to all employees and directors. All staff must certify that they have read and understood this document as it forms part of their terms and conditions of service. Staff are also provided with the Disciplinary Code and the Health and Safety Statement. These documents are covered during staff induction, which also incorporates a module regarding values, behaviours and ethics. The Group strives to continuously improve the quality of products and services provided and to refine our processes to allow us to deliver on these objectives.

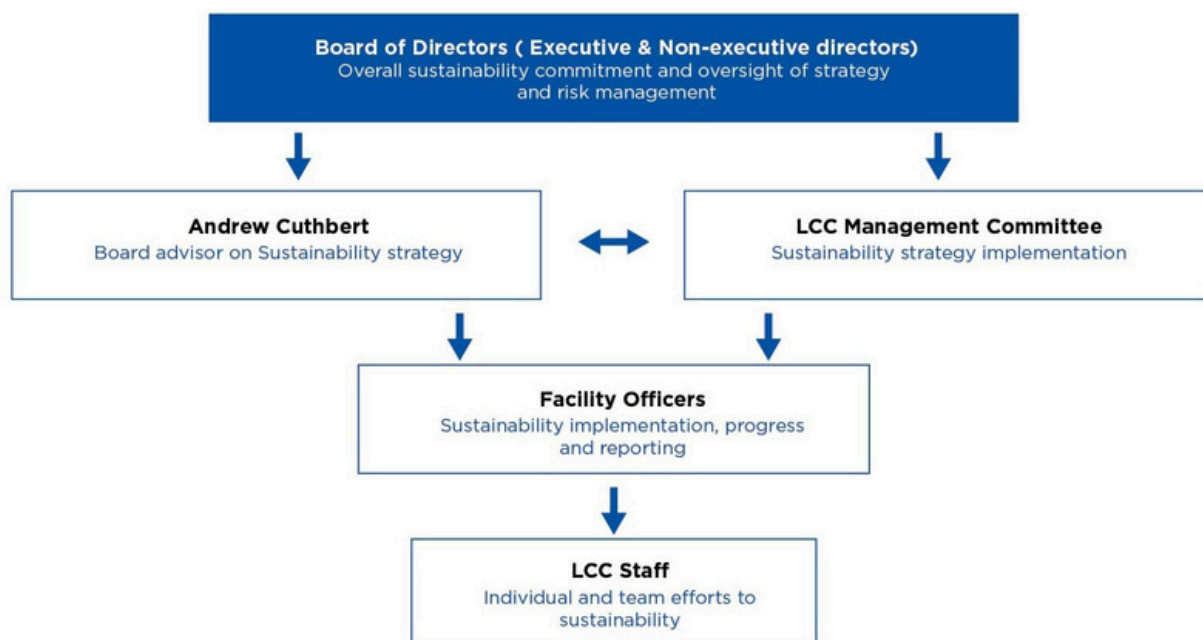
We instil a positive culture of ethical behaviour and effective governance, using shared values to underpin our strategic objectives and shape the way in which we deliver products and services. While each division carries out separate and distinct business, they function as a single amalgamated Group under the Board of Directors comprising four Directors and three Non-Executive Directors (as outlined below) and the Senior Management Team.

Table 2: LCC Group Board of Directors

Name	Position
Michael Loughran (Snr)	Managing Director / Company Secretary
Michael Loughran (Jnr)	Coal Operations Director
Daniel Loughran	Oil Operations Director
Laura Loughran	Director
Geraldine Quinn	Finance Director
David Millar	Non-Executive Director
Andrew Cuthbert	Board Advisor on Sustainability

## LCC Group's Corporate Governance Plan 2025

LCC Group's organisational structure, with respect to the Board of Directors, the Board Advisor on Sustainability Strategy, the Management Committee, Facility Officers and LCC Group staff is shown in the figure below.



### Responsibilities of the Board

The high-level responsibilities of the Board of Directors are as follows:

- To outline the strategic direction and objectives of the Group. To review the implementation of the Group's strategic planning on a Group-wide and divisional basis.
- To enable and support the delivery of the Group's strategic planning.
- To review the priority of Group activities to ensure the most effective and efficient use of resources.
- Ensure employees are trained to the highest standard so all customers receive the highest standards of service.
- Evaluate financial and activity performance against agreed key outputs/targets to ensure effectiveness of financial and management controls.
- Review and consider the threats and opportunities in the risk environment, review and oversee existing risks.
- Review and monitor the effectiveness of policies and procedures in the Group.
- Ensure effective customer communication.

## LCC Group's Corporate Governance Plan 2025

### Management Role

Each month, the Senior Management Team brings together the heads of each division to co-operate in the leadership and management of the various divisions.

By taking collegiate responsibility for cross organisational issues, the Senior Management Team balances the individual divisional responsibilities with their corporate responsibility. The remit of the Senior Management Team is to oversee operations and deliver on strategic plans for all of the companies.

The responsibilities of management are set out as follows in the figure below.

- Support in the development and delivery of Strategic and Business Plans, including actions to address reduction of our carbon emissions.
- Evaluate financial and activity performance against agreed key outputs/targets to ensure effectiveness of financial and management controls.
- Proactively identify threats and opportunities in the risk environment, review and manage existing risks.
- Manage and monitor the effectiveness of policies and procedures in the Group.
- Ensure projects deliver optimum output and effectiveness through appropriate allocation of resources.
- Encourage and promote innovation through out Group activities.
- Foster effective team working across the range of Group companies to ensure optimum efficiency and effectiveness.
- Promote working methods and conduct that reflect the core values of the Group.

The Group's risk management approach provides the mechanisms to identify, prioritise and rank corporate and environmental risks and ensure that the appropriate mitigation actions are implemented to address these risks. The main responsibility for identifying corporate risks lies with the Senior Management Team, as its members are well placed to identify and monitor corporate risks.

## LCC Group's Sustainability Governance Plan 2025

### Board's Governance and Oversight on Sustainability

Going forward, we intend to prioritise climate change as a strategic board-level agenda. Senior management meetings occur on a monthly basis. In these meetings, we plan to discuss our climate change plans and commitments, so we keep on track as we progress towards our goal.

In our view, effective board governance is instrumental in guiding LCC Group towards sustainable growth and maximizing long-term value for our stakeholders in a socially responsible and environmentally conscious way.

### Role of the Board in Sustainability

The role of the board with respect to sustainability will include:

#### Setting Sustainability Policies

The board of LCC Group will be responsible for establishing and approving sustainability policies including those related to climate change and public sustainability goals and targets. These policies will help lay the groundwork for our company-wide sustainability practices.

#### Overseeing our Sustainability Strategy

The board will be responsible for overseeing the formation and implementation of our company's long-term sustainability strategy and ensuring it aligns with our overall business goals.



## LCC Group's Sustainability Governance Plan 2025

### Integrating ESG into Risk Management

The board will be responsible for ensuring that ESG factors are integrated into LCC Group's risk management process. This will include integration in our risk register and risk management policy.

### Tracking Sustainability Performance

The board will engage in regular monitoring of our sustainability performance and progress towards our ESG goals including our decarbonisation plans.

### Driving Stakeholder Engagement

We intend to regularly engage with our diverse stakeholders in identifying material topics and areas of focus as we progress on our sustainability journey. The board will be critical to guiding this stakeholder engagement and ensuring we get regular feedback on stakeholder perceptions of LCC Group's sustainability efforts.

### Promoting Sustainability Culture

Our board will be forerunners in fostering a sustainability culture throughout our company and setting a proper tone at the top which will cascade down to all employees. This may be through incentivising sustainable practices among employees or ensuring that sustainability is a key factor in decisions and operations. We will provide updates on these efforts in our regular sustainability reports.

### Ensuring Regulatory Compliance

With the increasing incorporation of sustainability regulations and commitments in Europe and Northern Ireland, the board of LCC Group will play a pivotal role in ensuring that we comply with all relevant local, regional, and global regulations on sustainability.

# Risk Management

## LCC Group's Risk Management Approach 2025

### Management Committees

Our Corporate Governance Framework also outlines the roles and responsibilities of several management committees and functions, including the:

#### Health and Safety Committee

Responsible for the establishment and maintenance of an effective Health and Safety policy. The Committee consists of staff from each division.

Their main role is to advise and assist management and staff on Health and Safety matters. The overall responsibility for the establishment and maintenance of an effective policy for Safety, Health and Welfare at Work rests with the Board of Directors. They are supported in this responsibility by the Health and Safety Officer and the Health and Safety Committee.

The Committee's main role is to advise and assist management and staff on health and safety matters. Meetings are held quarterly (or more frequently should a health and safety related emergency arise).

#### Risk Committee

As part of the Group's control environment, it is responsible for providing advice regarding the suitability and robustness of the Group's internal control systems and procedures.

The Accounting Officer appoints the membership of the Committee, which comprises of members from the Board of Directors and an external board advisor on sustainability. The risk committee assists the board in overseeing and reviewing emerging risks. The risk committee prioritises risks, including climate-related risks.

LCC Group is committed to addressing sustainability and climate-related topics. We integrate considerations on sustainability, including climate change, into our organisational structure and function. Currently, we have set climate change as a board-level issue, intertwined with our business operations and strategic planning.

The external sustainability advisor makes recommendations to the board which are considered and approved as is economically viable to the LCC Group.

## LCC Group's Risk Management Approach 2025

### Risk Management Framework

Our risk management framework includes the identification, assessment and prioritisation of risks, followed by co-ordinated application of resources to mitigate, monitor and control the impact of these events or threats.

It is also the foundation for management of risk and integration into LCC Group's approach to decision making and strategy formation. In our endeavour to endorse sustainable practices, we acknowledge the existence of ecological, social and governance risks that have the potential to influence our operational efficacy and long-term resilience. Therefore, we have instituted a comprehensive risk management plan to identify, assess and manage these risks in all our operations.

### Tackling Climate Risks

As we recognise the significant adverse implications of climate change, we are committed to identifying and understanding the associated risks that might affect our business. A substantive part of this commitment involves conducting a comprehensive climate scenario analysis. Therefore, ensuring a robust and proactive risk management strategy.

Our approach to climate impact assessment aims at evaluating both transitional and physical risks. Transitional risks constitute changes in technology, market conditions and laws. These changes could result from society's transition towards a lower-carbon economy. For instance, the introduction of carbon emission related regulations may lead to compliance costs, a need to revamp operational processes or even potential penalties for non-compliance.

Similarly, with market preferences leaning towards environmentally friendly products, our product portfolio requires a significant shift in its strategic direction. Our approach to climate impact assessment includes different paths to a lower-carbon, climatically-secure future, each with differing socio-economic, technological and policy changes. From the worst-case scenarios to the ideal ones, this analysis covers a wide spectrum of situations. This approach helps us develop flexible strategies that can address an array of possible risks.



## LCC Group's Risk Management Approach 2025

Furthermore, we employ forward-looking metrics to evaluate these risks in terms of their probabilities and impact on our financial and operational performance, like the impacts of associated carbon taxes and emission reduction projects. Further to this, the identification of the energy transition scenarios and associated risks is used to determine our capital expenditures as we continue to reduce our carbon footprint whilst maintaining our role as effective energy distributors.

### Tackling Climate Risks

Our approach to tackling climate risks not only allows us to build organisational resilience against potential detrimental effects but also enables us to recognise and seize the accompanying opportunities amidst these challenges.

For example, we continue to invest in renewable energy and sustainability innovations, reiterating our commitment to playing our part in the global transition to a sustainable, low carbon economy. Technological advances offer both a challenge and an opportunity. While new, green technologies might make some of our processes outdated or less efficient, they also offer the door to innovation and enhancement in our operations and products. Physical risks, on the other hand, may comprise severe weather events such as floods, cyclones, or even long-term shifts in climate patterns like rising sea levels or increasing temperatures. These can lead to direct operational challenges like disruption in our supply chain, production downtime or damage to infrastructure. The indirect challenges include community displacement, an increase in occupational health hazards, scarcity of natural resources and threats to biodiversity.

### Overview of Climate Risks

Herein, we have outlined some of the climate-related risks that may have potential impact in the short, medium, and long term on our strategic objectives. This is an indicative risk and impacts matrix based on our business and local context. As we continue our climate scenario analysis, the risks identified will be updated.

## LCC Group's Risk Management Approach 2025

Period	Risk	Description of Impacts	Potential Financial Impact	Mitigation
Short Term	<b>Steam Coal</b>	Changes in climate regulations and increased local and regional climate change commitments can have an impact on our day-to-day operations and overall bottom-line. These can include carbon pricing, emission limits, or new laws aimed at reducing dependence on fossil fuels. Increasingly stringent regulations can necessitate significant changes to manufacturing methods and increase costs associated with permit applications, emissions control technology and adherence to regulatory standards.	Regulatory compliance can elevate operational costs, affecting profit margins and potentially requiring increased capital expenditure for infrastructure and processes needed to meet new regulatory requirements.	LCC Group is committed to clear carbon reduction targets and has put together a sustainability plan that sees LCC Group become carbon neutral by 2036 and Net Zero by 2046.
	<b>Liquid Fuel Risk</b>	Not all transport is likely to be able to convert to battery technology and as a result liquid fuels will remain in use. The synthetic and renewable alternatives that are available today are not produced in sufficient quantities to replace the volume requirements of traditional fossil fuels.	Due to the demand for liquid fuels for a wide range of applications including transport, logistics, aviation and industrial use there is a need to continue to use liquid fuels	LCC Group has invested in storage and distribution capability in Hydrotreated Vegetable Oil (HVO) as an alternative to diesel and has invested significantly in ethanol, and tallow processing so as to facilitate the blending of bio fuels with traditional fuels at levels that current combustion engine technology can deal with.

Table 3: Summary of Climate Related Risks over the Short, Medium and Long Term

## LCC Group's Risk Management Approach

Table 3 (continued): Summary of Climate Related Risks over the Short, Medium and Long Term

Period	Risk	Description of Impacts	Potential Financial Impact	Mitigation
Short Term	<b>Market Risks</b>	The market for steam is likely to become more volatile as countries including Ireland and the European Union work to transition to a low-carbon economy. Declining demand for coal, combined with the increasing affordability and popularity of renewable energy sources, may put downward pressure on steam prices and constrain market growth.	Volatility and decline in demand for steam can lead to lower sales revenues, squeezing profit margins and potentially leading to write-downs on coal-related assets.	LCC Group are committed to a future strategy which involves the production of carbon additives for critical materials as listed by the UK and EU such as silicon metal and the production of isostatic graphite for electric vehicles and the supply. Despite falling demand and prices in steam coal prices carbon based material prices are on the increase.
	<b>Electricity supply related risks</b>	Net Zero targets require the group to purchase GOs and REGOs both on behalf of its customers and on behalf of its own internal operations.	Failure to purchase GOs and REGOs to validate the groups carbon neutral and net zero targets would result in an inability to met its net zero target.	LCC Group is committed to GOs and REGOS being in place for all internal operations by 2036 and for all customer processes by 2046 leading to achievement of a net zero target.
	<b>Gas supply related risks</b>	LCC Group would be unable to operate on hydrogen that may be expected to replace natural gas in the future.	LCC Groups equipment would not be able to operate on increasing percentages of Hydrogen.	LCC Group are replacing turbines and equipment that run on gas with state of the art hydrogen ready equipment.
	<b>Financial risks</b>	The transition to a low-carbon economy implies a significant shift in asset values away from steam coal. This poses a risk of stranded assets.	A shift in asset values away from steam coal can lead to stranded assets. LCC Group could face an impairment, potentially affecting our steam coal asset value.	The move towards carbon additives for critical materials such as silicon metals and the production of graphite will mean that the base carbon product price will increase rather than decrease. Synthetic Graphite prices often reach more than 20x the value of steam coal.
Medium Term	<b>Technology Risks</b>	As advancements in renewable energy technologies increase, there is a real risk that steam coal as a primary source of energy may be phased out. The lack of innovation and inability to adopt evolving technologies in the value chain might make it difficult for LCC Group to compete.	Failure to innovate or adopt new technologies can affect competitiveness, reducing market share and revenues. It might also necessitate retroactive investment in technology, raising costs.	LCC Group are investing significantly in research to produce new carbon additives and products. The group is currently considering investment in a graphite production facility with the support of the Advanced Propulsion Centre in the UK.
	<b>Litigation Risks</b>	Environmental awareness has heightened among the public and advocacy groups, and this can translate into potential lawsuits, criminal liability, and legal action against companies including LCC Group who are not doing enough to combat climate change if the group should not commit to a carbon reduction strategy.	Legal action can not only lead to penalties and court fines but also increase legal defence costs and potential settlement fees. It may lead to reputational damage, which can affect LCC Group's market share, profitability, and stock price.	LCC Group have invested significantly in its future sustainability strategy and meets all expected government requirements within the sectors it operates. LCC Group do not expect this to change in the medium term future.
	<b>Regulatory Risks</b>	The raw materials required for carbon additives and products manufacturing may become more scarce and costly due to the environmental impacts of climate change and increased regulatory scrutiny of extraction and transportation processes.	Increased costs for Run of Mine Coal (ROM) can lead to squeezed profit margins. Climate events disrupting the supply chain could mean an increase in operational costs and potential loss of revenue due to production downtimes.	LCC Group have a global reach and expect to continue to access carbon from a wide range of suppliers in a wide range of geographies. This includes Run of Mine (ROM) coal from assets in Columbia and in Wales (UK). The LCC Group feels it is well placed to continue to access materials up until 2050 and beyond.

## LCC Group's Risk Management Approach

Table 3 (continued): Summary of Climate Related Risks over the Short, Medium and Long Term

Period	Risk	Description of Impacts	Potential Financial Impact	Mitigation
Long Term	<b>Political &amp; Social Risks</b>	Over the long term, a sustained shift in public sentiments towards greater environmental protection and sustainability could influence political will and policy-making, leading to a more adverse operating environment for coal companies.	Adverse climate policies could lead to stranded assets, decreased demand, and increased costs. Shrinking public support can lead to losses in consumer base, reducing sales and revenues.	LCC Group's Sustainability strategy meets all regulatory requirements expected to become law within the medium to long term. CBAM, Battery Passport and Emission Trading Schemes have been analysed by the LCC Group until legislative changes as far out as 2034.
	<b>Reputational Risks</b>	Stakeholder pressures, including from investors, consumers and employees, may increase. Stakeholders may expect higher levels of sustainability, and this could harm LCC Groups' reputation and our capacity to attract investment and maintain customer loyalty.	Damage to reputation can affect the ability to secure financing and can drive away potential customers leading to drop in sales. Investors may divert funds into more climate-friendly industries, making fundraising challenging and possibly increasing the cost of capital.	LCC Group believe that with a net zero target of 2043 it will be a leader in the reduction of carbon. Its plans to enter the EV materials market and to produce future carbon products such as Graphite, Carbon Nano Tubes (CNT) and graphene. Will be supported with LCC Groups leading position in supplying Hydrotreated Vegetable Oil (HVO), Sustainable Aviation Fuels (SAF) and other renewable liquid fuels. Its renewable energy target at Go Power through the supply of GOs and REGOs to its customers, and its recent commitment to hydrogen production and usage as an alternative to natural gas will prevent the group from experiencing negative PR. an
	<b>Transition Risks</b>	The longer the transition to a low-carbon economy is delayed, the more abrupt and disruptive the transition could be. The risk includes the potential for reduced demand for some commodities, abrupt and surprising shifts in energy prices, emerging capacity constraints, and unexpected advances in technological solutions.	In the case of an abrupt and disruptive transition, the potential for reduced demand, shifts in energy prices, and capacity constraints, could result in loss of revenues, increased costs, and stranded assets.	LCC Group believe its Sustainability strategy will put it ahead of its competitors in achieving a successful transition away from fossil fuels. The Group are investing in R&D and making significant investment in assets that will facilitate a successful future business in the future circular economy.



## LCC Group's Risk Management Approach 2025

### Managing Environmental Risks

The energy industry is, by nature, an environmentally intensive sector and we strive to comply with all applicable environmental regulations and permits required to minimise or eliminate negative impacts on the environment.

We have established an appropriate Environmental Management System (EMS, in line with local environmental permit requirements, and we are proud to be certified to ISO 14001 EMS standards.

The Group continues to conform to the requirements of ISO 14001:2015 - Environmental Management System Certification, ISO 45001:2018 (Occupational Health and Safety and ISO 9001:2015 Quality Management System Certification following a successful assessment of the Company's Management system.

We are pleased to report continued excellence in environmental compliance in 2024. During the reporting year, and indeed over the last number of years, no breaches were reported to regulatory authorities.

### Process Safety, Personal Safety and Environmental Risks

The nature of our operating activities exposes us to a wide range of health, safety and environmental risks such as incidents associated with releases of hydrocarbons when fuelling, operating facilities and transporting hydrocarbons.

#### **Our Approach**

- Our operating management system helps us manage these risks and drive performance improvements.
- Our Health and Safety Committee is responsible for the establishment and maintenance of an effective Health and Safety policy.

We frequently monitor implementation of our environmental policy at Board level

## LCC Group's Risk Management Approach 2025

### Changing Market Dynamics

External factors outside the direct influence of the Group, including economic cycles and technological changes can significantly impact on our performance.

#### **Our Approach**

- The impact of external factors is mitigated through a focus on strong financial management, a broad spread of products, customers across the group and prudent expansion due diligence requirements.
- We are privately owned, managed by a Board of Directors, which enables us to respond to opportunities quickly and gives us the freedom and control to ensure that all strategies pursued create superior value for customers and the communities in which we operate.

### Compliance with Legal and Ethical Standards

A material failure to comply with applicable legal and ethical standards could result in penalties, costs and reputational harm and damage to relationships with suppliers or customers.

#### **Our Approach**

- We promote a culture of compliance and run our business the right way consistent with our values of Customer Focus and Independence.
- We aim for excellence and professionalism in the delivery of our services and strive to examine all complaints, conduct reviews and make decisions in a fair, objective and impartial manner.





# People and the Community

## LCC Group's Approach to People and Community 2025

### Investing in our People

LCC Group has a global reach with over 320 talented employees. In addition to our sound strategic operations, a big reason we continue to grow and prosper is due to our ability to recognise and attract talented people. We provide competitive compensation, outstanding benefits and recognise the importance of allowing individuals room to explore opportunities and grow their careers.

### Building a Sustainable Work Culture

We employ several initiatives to create a positive and supportive work environment where every individual feels valued and can have their say. Central to achieving this culture is ensuring the following:

- Staff are well informed and have the information to carry out their jobs efficiently and effectively.
- Staff are encouraged to put forward their views and concerns.
- Staff are actively involved in planning and decision making.
- Relevant information is communicated to the appropriate people, in the appropriate manner and at the appropriate time.
- An environment of openness, honesty, consistency and clarity of communication is encouraged.
- Everyone understands the Group's objectives and values and shares in its culture.
- Staff are actively supported and challenged to deliver on their ambitions and that of the Group.
- Staff, regardless of their location, are kept informed of what is going on within the Group.
- Staff receive feedback on their work and development needs are addressed.
- There are clear channels for communication including, a newsletter and team meetings.



## LCC Group's Approach to People and Community 2025

### Diversity and Inclusion

We need a diverse workforce to be successful as a company, to help us solve complex challenges that matter and to build long-term and trusted relationships. We want to attract, develop and retain the best talent and to create a diverse and inclusive working environment, where everyone is accepted, valued and treated fairly without discrimination.

Our definition of inclusion covers both visible and invisible differences, stressing the value of both. These include differences in thoughts and ideas, cultures and approaches as well as more visible aspects. This starts with our attraction and recruitment processes and continues through the way we support employees and unlock their human energy while working with us.

### Employee Development

We are committed to the development of our staff at all levels across the business. We encourage continuous learning and development to ensure our people are equipped to meet the demands of a rapidly changing and increasingly digital world of work. We invest in training and development, at all levels, enabling us to build a strong succession pipeline of future leaders.

We invest in our people to help them become future-ready, developing their skills as the energy sector evolves. We encourage our senior leaders to hold regular and constructive performance coaching conversations to help drive personal improvement.

Our transition toward a more digitised workplace has been underway for the past couple of years.

The requirement for many of our office-based employees to work from home owing to the pandemic greatly accelerated this transition. Traditional ways of working came to a halt, almost overnight. The shift to remote working could have been disruptive and challenging. But with our digital infrastructure firmly established and new ways of working well understood, it was exceptionally smooth. We worked rapidly to further enhance our existing technology capabilities, enhancing our remote-work capacity and developing tools to keep employees informed and connected.



## LCC Group's Approach to Safety and Wellbeing 2025

### Talent Attraction and Retention

Our Group strategy articulates the need to attract, develop and retain people who are passionate about energy and are motivated to deliver exceptional customer experiences. Our key leadership teams have remained stable. Most appointments this year constituted internal appointments and transfers which bears testimony to our succession depth and ability to deploy talent across different areas of our business. Employee turnover has also remained low. The identification of potential successors for Executive roles forms an integral part of discussions at Board level. We continue to strengthen our talent pools and succession pipelines to ensure sufficient depth and breadth in line with the capabilities we need to succeed.

### Leadership and Qualifications

Facilitating and maintaining a safety culture is an essential part our day-to-day operations. We ensure individuals with the appropriate qualifications have authority to take the necessary measures to avoid safety risks. Our continued on-the-job training is pivotal to achieving this.

### Product Safety

We assess our product range to identify any potential health, safety or environmental concerns and ensure compliance with chemical control and product safety through continued monitoring of all our facilities.

Customers trust us to provide them with safe, high-quality products. All our products are sourced and manufactured to be safe for their intended use. In line with our value of empathy, we monitor customer feedback and work closely with regulators to continue to progress safety standards.

### Effective Safety Management

To continuously improve safety, our businesses implements safety management systems, as relevant to their activities. We have been assessed and certified as meeting the requirements of ISO 45001:2018 (Occupational Health and Safety). Our certification covers the following activities:

- Handling, packaging and distribution of solid fuel for industrial and domestic use;
- Storage and distribution of coal, kerosene, diesel, gas oil and bottled gas;
- Sale and supply of electricity to commercial and industrial customers and sale and supply of gas.

## LCC Group's Approach to Safety and Wellbeing 2025

On an annual basis, we carry out a comprehensive review of the Health and Safety performance of all our operating sites. We focus on eliminating hazards at source, carefully planning our activities, identifying potential hazards through risk assessment, managing risks and investing in necessary areas for improvement.

We have invested in all aspects of Health and Safety including mobile plant safety, such as machinery guarding, improvements in platforms and fall protection measures, electrical system upgrades and emissions and dust reduction initiatives.

### Safety in our Supply Chain

When suppliers enter our sites to deliver products, we have control over compliance with our safety requirements. However, ensuring rigorous safety Standards within our supply chain is more difficult to influence.

To address these challenges, our procurement processes comprising monitoring, risk analysis and third-party auditing, ensures that supplier safety is a core part of our supply chain management.

At the heart of our operations is our commitment to a safe, conducive and supportive work environment. We strive to ensure that our workforce and everyone at our facility can perform their duties in a safe and supportive environment. We do this by employing several protective measures and investing significantly in personal protective equipment.

We conduct our business in a manner that protects the health, safety and security of all personnel, including employees, contractors and supply chain partners. Our commitment to Health and safety is met through our comprehensive policy and the Health and Safety committee.

Our Health and Safety Policy focuses on the following four pillars, namely:

### Adhering to Established Rules

Our established rules of safety guide our workers in staying safe while performing tasks. The rules are aligned with best practice in operating environments and focus on areas such as working at heights, lifting operations, and operating machinery.

## LCC Group's Approach to Safety and Wellbeing 2025

### Health and Wellbeing

Our Group is committed to managing health hazards that could cause undue harm to our workforce and society in general. Our Health and Safety officers are responsible for measuring exposure to harmful levels of dust, noise, fumes or chemicals that could cause harm.

At LCC Group, we know that looking after our mental health is just as important as looking after our physical health. We foster an inclusive working environment that always supports our people. We want to help break down the stigma around mental health by encouraging our employees to have conversations about this important topic.

We implement employee health and wellbeing programmes across our business, providing incentives, tools, social support and strategies on physical and mental health.

This includes optimising ergonomics, providing access to health screening, reducing noise impact and reviewing occupational hygiene.

### Enhancing Societal Value

We work hard to use our influence and reach to maximise our positive impact in local communities. We contribute to the local economies in which we operate through employment, charitable donations, sponsorships and supporting local businesses.

### Corporate Social Responsibility (CSR)

We recognise that we must integrate our business values and operations to meet the expectations of all our stakeholders. They include customers, employees, suppliers, the community and the environment. We recognise that our social, economic, and environmental responsibilities to these stakeholders are integral to our business.

We demonstrate these responsibilities through our actions and within our corporate policies. In line with our empathy value, we take seriously all feedback that we receive from our stakeholders. We remain open and honest in communicating our strategies, targets, performance and governance to our stakeholders in our continual commitment to sustainable development.

## LCC Group's Social Responsibility 2025

Some key focus CSR areas that are core to our success are as follows:

- We ensure a high level of business performance while minimising and effectively managing risk.
- We encourage dialogue with local communities for mutual benefit.
- We support and encourage our employees to help local community organisations and activities in our region.
- We operate an equal opportunities policy for all present and potential future employees.
- We provide, and strive to maintain, a clean, healthy and safe working environment.
- We uphold the values of honesty, partnership and fairness in our relationships with stakeholders.
- Our contracts clearly set out the agreed terms, conditions and the basis of our relationship.
- We operate in a way that safeguards against unfair business practices.
- We encourage suppliers and contractors to adopt responsible business policies and practices for mutual benefit.

Our Managing Director is responsible for the implementation of our CSR policy, but the responsibility for our performance to this policy rests with all employees.

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Our Managing Director is responsible for the implementation of our CSR policy, but the responsibility for our performance to this policy also rests with all employees.



## LCC Group's Place in the Community 2025

### Strengthening Local Relationships

At LCC Group, we understand that having good relations with the local communities in which we work is critical to our operations. Where we have assets located in populated areas, or on land that provides resources to local communities, we undertake various efforts to participate in constructive community engagement and minimise any negative impacts. We minimise the impacts that our presence could have on local communities and ensure they benefit from our activities.

Before we make an investment or commence with any new operations, we apply several key processes and practices to ensure we have identified local community and stakeholder concerns and are effectively mitigating any associated risks.

### Sponsorships and Charitable Donations

Since before our establishment as a group in 1996, we have been giving and volunteering in our local communities and have built lasting partnerships with educational institutions, sporting bodies and civic and charitable initiatives.

Each year, we make regular donations to over twenty different charities, including: the St. Vincent De Paul, Cancer Focus, NI Chest Heart & Stroke, the Air Ambulance and Lough Neagh rescue.

We support the FACTS (Families of Autism Coming Together for Support), which is a peer-to-peer parent support group set up in 2017 by parents of children and young adults with a diagnosis of Autism, by making an annual donation to cover the rental of their offices.

We sponsor almost fifty community organisations on an annual basis across a wide range of community sporting organisations such as the GAA, rugby, golf, soccer, cycling, motorcycle and athletics. These sponsorships make a real and impactful difference at community level.

LCC Group also has a charitable foundation in Colombia, in the community of our carbon materials facility, that helps underprivileged young people achieve their personal aims and goals, whether that be attending education or playing sport at a high level.

## LCC Group's Place in the Community 2025

### Our Sports Sponsorships

LCC Group are proud to support all elements of the community, from supporting local sports and charities to other groups who have a passion for the communities we serve. We hold a non partisan approach to those we serve and hope to engage with all forms of community activity.

Starting with the most local we have sponsored a number of grass roots sporting teams including:

### Gaelic Sports

Saint Michael's GAC Lissan, also known as Lissan GAC, is a Gaelic Athletic Association club located in Lissan, Northern Ireland.

Founded in 1910 as Ruairi Ógs, the club has a rich history spanning over a century. Lissan GAC caters for Gaelic football, rounders, and handball, fielding teams at various age levels from U8 to Senior.



## LCC Group's Place in the Community Sports 2025

### Gaelic Sports

Lissan GAC's members are drawn from the local community, with the club serving as a focal point for sporting and social activities in the area.

The beneficiaries of this club extend beyond just the players, the club provides a sense of community and belonging for the entire parish of Lissan. Young people, in particular, benefit from the club's youth development programmes, which offer opportunities for physical activity, skill development, and social interaction. The club's facilities, including a playing field and pavilion opened in 2007, serve as a gathering place for the community, hosting various events and activities.

Through its involvement in the GAA, Lissan GAC also contributes to the preservation and promotion of Irish culture and heritage in the region, benefiting not only its members but the wider community in Lissan and surrounding areas.

The catchment area of Lissan GAC is where Lissan Coal Company was founded, is headquartered today and still draws the majority of its employees from. The importance of LCC Group's connection with this community cannot be overstated.





## LCC Group's Place in the Community Sports 2025

### Gaelic Sports

The Derry Ladies Senior Football Team represents County Derry in ladies' Gaelic football competitions.

Established in 1994, the team competes in the Brendan Martin Cup, which is the All- Ireland Senior Ladies' Football Championship.



Future Derry Stars Caoimhe Dillon (Ballinascreen), Aoife Gormley (Magherafelt) and Grace Loughran (Lissan) modelling the new GO Derry Senior Ladies jersey at the U16 County trials.

The team is composed of talented players from various clubs across the county and benefits from a strong foundation of over twenty-five clubs across County Derry, including Ballinascreen, Ballerin, Ogra Colmcille, and Ballinderry, who provide a pipeline of talent and support.

The Derry Ladies Gaelic Football Association, responsible for the governance and development of ladies' football in the county, aims to enable all girls and women to reach their full potential as players. This commitment to development and promotion of the sport benefits not only the senior team members but also aspiring young players throughout the county.

The team's success and visibility serve as an inspiration to female athletes in Derry, encouraging participation in Gaelic games and promoting physical activity and community engagement.

Additionally, the team's performances contribute to the broader sporting culture of Derry, fostering local pride and providing entertainment for supporters across the county.

## LCC Group's Place in the Community Sports 2025

### Gaelic Sports

Slaughtneil Robert Emmett's GAC has a formidable ladies' section, particularly in camogie, which has achieved remarkable success in recent years. LCC Group continues to support the club through their ongoing sponsorship.



The club's camogie team has won seven consecutive Derry Senior Camogie titles in recent years, demonstrating their dominance at the county level. Even more impressively, Slaughtneil's camogie team has claimed three All-Ireland Senior Club Camogie Championship titles in 2017, 2018, and 2019, establishing themselves as a powerhouse in the sport.

The club fields camogie teams at various age levels, from U6 to senior, providing a comprehensive pathway for female athletes in the community. The success and breadth of the club's camogie programme create significant social value.

These teams offer opportunities for girls and women to participate in sport, fostering physical health, teamwork, and community spirit.

The club's success at national level brings pride to the local area and serves as an inspiration for young athletes. Moreover, by excelling in camogie alongside the club's achievements in football and hurling, Slaughtneil GAC demonstrates a commitment to promoting equality in sport, providing role models for aspiring female athletes across Northern Ireland.





## LCC Group's Place in the Community Sports 2025

### Rugby

Ulster Rugby, one of the four provincial branches of the Irish Rugby Football Union (IRFU), plays a significant role in the development and promotion of rugby union across the province of Ulster.

The organisation serves multiple functions, including governing the sport, managing elite playing functions, and operating the iconic Kingspan Stadium.

Ulster Rugby's impact extends far beyond the pitch, creating substantial social value through various initiatives and programmes. The organisation is committed to fostering cross-community engagement, using rugby as a vehicle to bring people together from diverse backgrounds in Northern Ireland. This is exemplified by their involvement in the 'Sport Uniting Communities' programme, a collaboration with Ulster GAA and the Irish Football Association, which engaged 17,000 young people in peace and reconciliation efforts.

As with LCC Group's approach Ulster Rugby's community outreach extends to promoting physical and mental wellbeing, with their programmes linking with local schools and community organisations.

The recently launched Ulster Rugby Foundation aims to make the sport more accessible, focusing on increasing participation across all ages and abilities. Additionally, Ulster Rugby's youth development programmes and academy system provide pathways for young talent, contributing to both individual growth and the future of the sport.

By leveraging the appeal of rugby, Ulster Rugby creates social cohesion, promotes health and wellbeing, and offers opportunities for personal development, thereby generating substantial social value across the province.

*Ulster Rugby has enjoyed a long-standing partnership with Go Power. This partnership, which began in 2015, has recently been extended until June 2026.*

As part of this sponsorship agreement, Go Power's logo features prominently on the back of Ulster Rugby's Senior Men's jersey, providing significant brand exposure across the UK, Europe, and South Africa during matches. The partnership also includes a notable presence for Go Power at Kingspan Stadium, Ulster's home ground, during both professional and domestic fixtures, as well as visibility on the stadium's big screen and in match programmes.

## LCC Group's Place in the Community Sports 2025

### Rugby

LCC Group (through its subsidiary GO Power) and Ulster Rugby's collaboration benefits both parties substantially. For Ulster Rugby, the sponsorship provides crucial financial support, enabling the club to pursue its ambitious plans for both the professional team and grassroots rugby development. The partnership aids in maintaining Ulster's competitiveness in the United Rugby Championship and European Rugby Champions Cup, competitions in which Ulster has historically performed well, including winning the European Cup in 1999.

Additionally, the partnership allows Go Power to align itself with the values of excellence and community engagement that Ulster Rugby embodies. The wider rugby community in Ulster also benefits from this sponsorship, as it contributes to the overall health of the club, supporting player development.



## LCC Group's Place in the Community Sports 2025

### Ice hockey

The Belfast Giants, established in 2000 as the first professional ice hockey team on the island of Ireland, have become a significant sporting and cultural phenomenon in Northern Ireland.

*Based at The SSE Arena in Belfast, the Giants have achieved remarkable success on the ice, winning eight league titles, three Playoff Championships, and five Challenge Cups, including a historic domestic treble in the 2022-23 season.*

However, their impact extends far beyond their sporting achievements. The Giants have become a powerful force for social good in the community, creating substantial social value through various initiatives. Their Healthy Lifestyle Programme, run in partnership with Belfast Harbour, has reached thousands of primary school pupils, promoting physical and mental wellbeing among young people.

The Odyssey Ice Academy, supported by the Department for Communities, provides opportunities for young people who have been in care or faced mental health challenges to develop new skills and explore new opportunities. The Giants' commitment to inclusivity and cross-community engagement is evident in their participation in programmes like 'Sport Uniting Communities', which uses sport as a vehicle for peace and reconciliation.

Furthermore, the team's presence has boosted the local economy, with an average attendance of over 5,000 spectators per game in the 2022-23 season. By fostering a sense of community pride, promoting health and wellbeing, and providing pathways for personal development, the Belfast Giants have established themselves as a vital asset to Northern Ireland's social fabric.



## LCC Group's Place in the Community Sports 2025

### Ice hockey


*The Belfast Giants' partnership with Go Power represents a dynamic collaboration that extends beyond sponsorship to create meaningful social value for the local community.*

Established through a three-and-a-half-year deal extending between 2022-2025, Go Power has become an integral supporter of the Giants, helping fuel their success on and off the ice. This partnership not only strengthens the financial stability of the team but also enables them to expand their community outreach initiatives and charitable activities.

The agreement sees the Go logo placed prominently on the Belfast Giants kit, alongside branding throughout The SSE Arena, Belfast and on the ice. Giants' fans will also enjoy a range of competitions throughout the season to win big with Go.

Go Power's involvement amplifies the Giants' ability to deliver impactful projects that foster unity, improve health outcomes, and provide opportunities for young people across Northern Ireland. By supporting the Giants, Go Power contributes to a broader vision of using sport as a tool for social change, helping to bridge divides and inspire positive action in communities.

This collaboration exemplifies how corporate sponsorship can go beyond branding to drive real social impact, benefiting not only the players and fans but also thousands of individuals across Belfast and Northern Ireland who engage with the Giants' outreach programmes.



Belfast Giants 'Defenceman of the Year' Gabe Bast is the latest player to join the All Stars roster.

## LCC Group's Place in the Community Sports 2025

### Ice hockey



**Steve Thornton, head of commercial for the Belfast Giants,** “The Stena Line Belfast Giants are ecstatic to have Go on board for the 2022/2023 season and beyond. Go is a company with rising success, expanding across the UK and Ireland and we’re excited they’re choosing to do it with the Belfast Giants.

Go are keen on their customer-first experience and deliver the best service to their clients. This mentality is something we admire and strive for in our organisation as well. We’re excited to grow with Go!”

Declan Mullan, Go sales and marketing executive, said: “We are delighted to be on board with the Belfast Giants as the team attracts a lot of interest within our local community both here & overseas. ‘Go’ have recently begun operating further afield including across mainland UK, so the brand will soon quickly become a more recognisable brand outside of Ireland.”



## LCC Group's Place in the Community Sports 2025

### Soccer

Go Power have an ongoing sponsorship and partnership with Maiden City Soccer Academy, established in April 1993 in Derry, Northern Ireland, has become a cornerstone of youth football development in County Londonderry. The academy's primary mission is to provide top-class coaching programmes for children in the North West area, fostering talent and nurturing young players' skills.

With a strong emphasis on youth development, Maiden City has cultivated a reputation for producing high calibre footballers, some of whom have progressed to professional careers.



The academy's social value extends beyond mere football training; it offers a supportive environment where young players can grow both as athletes and individuals. By focusing on character development alongside skill enhancement, Maiden City contributes to the personal growth of its participants, instilling values such as discipline, teamwork, and respect.

The academy's commitment to community engagement is evident in its extensive range of teams, including 17 boys' teams, 4 girls' teams, and 3 adult teams, providing opportunities for a wide spectrum of players.

Furthermore, Maiden City's partnership with other clubs, such as Chesterfield FC, facilitates valuable experiences for young players, broadening their horizons and potentially opening pathways to professional football. By offering structured football programmes, Maiden City Soccer Academy not only enhances the sporting landscape of Northern Ireland but also contributes to the social fabric of the community, promoting physical activity, social integration, and personal development among the youth.

## LCC Group's Place in the Community Sports 2025

### Soccer

The partnership between Go Power and Maiden City Soccer Academy is significant, with Go Power providing annual financial sponsorship vital for delivering the academy's comprehensive programmes across the North West.

Paul Kee, from Maiden City, explains the social impact: "Without Go Power's support... we simply couldn't do the program. The funding supports equipment, facilities, and staffing costs, enabling the academy to provide affordable football opportunities and "a service that creates something for everybody, for every level of football player."

Beyond just creating better footballers, the academy focuses on "the social connections, how the young people feel about themselves," and cater to a diverse range of participants, including those with special needs.

"It can't only be about the sport itself; it's about the social connections". He highlights that the Academy's low fees in the area also ensures accessibility, and for those that can't afford to pay: "we have to find ways of" supporting their inclusion.

*The partnership with Go enables them to continue serving a cross-community membership, building social capital and fostering inclusivity through sport.*



## LCC Group's Place in the Community Sports 2025

### Our Sponsorship of Sporting Events

LCC Group supports and sponsors a wide range of events across the sporting calendar.

#### The County Tyrone Club Championship

The County Tyrone Club Championship is a prestigious Gaelic football competition contested by top-tier clubs in Tyrone, Northern Ireland. The 2024 championship featured 16 teams competing in a straight knockout format, with Errigal Ciarán emerging as champions after defeating Trillick in the final.

#### Local Pensioners Bowls Mid Ulster

Bowls has a rich history and strong presence in Northern Ireland, with numerous clubs and associations dedicated to the sport. The Irish Bowling Association (IBA), established in 1910, governs men's outdoor bowls, while the Association of Irish Indoor Bowls (AIIB) has overseen men's indoor bowls since 1967. Northern Ireland boasts a variety of bowling clubs across the country, from Belfast to Portrush, catering to players of all ages and abilities. The sport is well-organised, with various leagues, competitions, and championships held throughout the year.

#### Wheelchair Basketball in Cookstown

Wheelchair basketball has a strong presence in Cookstown, Northern Ireland, with the BC Werewolves team, part of the BC Wolves Basketball Club, competing in the NI League. The team trains weekly at Cookstown Leisure Centre, providing an inclusive sporting opportunity for individuals with physical impairments.

The sport benefits from various support initiatives, for instance, the Mid Ulster Sports Arena houses a Disability Sports Hub that provides sports wheelchairs and equipment to enable participation in activities like wheelchair basketball. Additionally, Disability Sport NI organises regular training sessions and competitions in Cookstown, fostering the growth of the sport in the area.

## LCC Group's Place in the Community Charities support in 2025

### Our Charity and Community Support

LCC Group understands the importance of supporting local charities and community groups, which in turn support vital and underfunded sections of society. We provide support to various charities and communities. Some of our initiatives include:

#### Charis Cancer Care

Charis Cancer Care, established as Mid-Ulster's first unique Cancer Care Centre, is a highly regarded charity in Northern Ireland that provides comprehensive support for individuals affected by cancer, their families, and supporters.

*The organisation offers a wide range of services designed to complement conventional medical treatments and enhance the overall wellbeing of those on their cancer journey.*

These services include counselling, delivered both in-person and virtually, and an array of complementary therapies such as massage, reflexology, aromatherapy, and the Emmett technique.

Charis Cancer Care aims to address the multifaceted impact of cancer, helping clients manage treatment side effects, cope with emotional distress, and navigate the challenges of altered body image and bereavement. The charity's holistic approach focuses on the whole person, addressing physical, psychological, and emotional needs.

Operating from a purpose-built facility overlooking the picturesque Lough Fea, Charis provides a serene environment often described as a 'sanctuary' or 'safe haven' for its clients. Remarkably, the organisation offers approximately 8,000 services to around 1,200 people annually from across Northern Ireland, all free of charge. Charis Cancer Care's commitment to supporting individuals at every stage of their cancer journey, from diagnosis onwards, underscores its vital role in the community and its dedication to improving the quality of life for those affected by cancer.

Charis Cancer Care also runs a healthy eating programme, funded by local initiatives, to support families during their cancer journey.

With doubt, Charis Cancer Care is producing a significant and ongoing positive impact on the lives of cancer patients and their families across Northern Ireland.



## LCC Group's Place in the Community Charities support in 2025

### Asthma + Lung UK

Asthma UK, recently rebranded as Asthma + Lung UK, is a prominent charity dedicated to improving the lives of people affected by asthma and other lung conditions in the United Kingdom, including Northern Ireland.



*Established in 1989, the organisation focuses on driving world-class asthma research, campaigning for better asthma care, and providing direct support to those at high risk of asthma attacks.*

In Northern Ireland alone, approximately 126,000 people, including 36,000 children, are currently receiving treatment for asthma. The charity's work extends beyond research and support, as they actively engage in policy advocacy, collaborating with government bodies and partners to prioritise lung health and improve asthma care across the region.

Asthma + Lung UK has invested nearly £9 million into research at local universities and hospitals since 1994, funding 117 projects that have significantly advanced the prevention, treatment, and care of respiratory conditions. Their comprehensive approach includes campaigns for clean air, smoking cessation, and the implementation of a new lung health strategy.

By addressing various aspects of respiratory health, from early detection to rehabilitation, Asthma + Lung UK plays a crucial role in the fight against lung disease, which is one of the top three killers in Northern Ireland and costs over £250 million annually.



## LCC Group's Place in the Community Charities support in 2025

LCC Group are proud to give back and support the works of charities that help to feed and nurish our communities, offering dignity when supporting those in financial need.

### St Vincent de Paul

The Society of St Vincent de Paul (SVP) is a prominent charity organisation that has been creating significant social value across Northern Ireland and beyond. Established in 1833, SVP has grown to become a vital support network for those facing poverty and hardship.

*In Northern Ireland alone, the Society spends nearly £3 million annually to assist the most vulnerable members of communities, providing direct financial aid, food, fuel, and essential household items.*

SVP's approach is holistic, offering confidential, person-centred, and non-judgmental support to individuals and families through home visitations, which form the cornerstone of their work.

The social value created by SVP is multifaceted and far-reaching. In 2024, the organisation provided over £5 million in assistance to families struggling with the cost of living crisis, marking a 43% increase from the previous year. This substantial support has been crucial in helping households navigate rising energy prices and financial hardships. Beyond immediate financial aid, SVP's network of nearly 1,800 volunteers across 180 local Conferences in Northern Ireland offers emotional support and companionship, reducing isolation and fostering community resilience.

The Society's recent report, "Beyond Breaking Point," highlights the escalating complexities faced by families, with 80% of SVP volunteers reporting a monumental surge in requests for help. This underscores the organisation's role as a critical safety net during times of economic strain and social challenges.

## LCC Group's Place in the Community Charities support in 2025

### St Vincent de Paul

SVP's impact extends beyond direct assistance, as the organisation actively engages in advocacy and policy work to address the root causes of poverty. By sharing frontline experiences with policymakers and the public, SVP contributes to shaping more effective and compassionate social policies. The Society's commitment to empowering individuals, advocating for those facing discrimination, and campaigning for systemic change amplifies its social value, creating a ripple effect that extends far beyond the immediate help provided to individuals and families in need.

St Vincent de Paul (SVP) operates various initiatives to help people with fuel costs. The 'Stay Warm Saving Scheme', supported by some local councils, allows individuals to spread the cost of home heating oil by purchasing oil stamps at local retailers. SVP plays a crucial role in supporting vulnerable individuals and families with their heating and energy needs across Northern Ireland.

Addressing these energy needs is of the utmost importance to LCC Group as a whole.

## LCC Group's Place in the Community Local Education 2025

Education is at the heart of a healthy community attitude and LCC Group have contributed to local education through engagement with local schools. Some of the schools we have supported are listed below.

### Holy Trinity Secondary School, Cookstown

Holy Trinity College is an 11-18 mixed, Roman Catholic secondary school and sixth form in Cookstown, County Tyrone, Northern Ireland. The school is currently undergoing a monumental £35 million construction project that will revolutionise education in the area.

The new state-of-the-art facility, spanning 16,000 square metres across 13 acres, is designed to cater for 1,300 pupils, making it one of Northern Ireland's most significant school projects in recent years.

Construction began in May 2023, with Felix O'Hare & Co Ltd carrying out the work under the guidance of Hamilton Architects.

The new facility will boast cutting-edge amenities, including a lecture theatre, multi-purpose hall, integrated canteen with a grab 'n' go café, GAA football grounds, and multi-use games areas. The design, which harmonises with the rural surroundings, incorporates large expanses of coloured glazing, a brickwork plinth, and an undulating pitched roof that echoes the rolling hills of the Sperrins.

This ambitious project will primarily benefit the students and staff of Holy Trinity College, providing them with a modern, fit-for-purpose learning environment. Additionally, it will serve the wider community of Cookstown and East Tyrone, supporting the thriving manufacturing industries in the area through a planned engineering and manufacturing hub.

The new school is scheduled for completion in the summer of 2025, ready for the student intake in September 2025, marking a new era of education for generations to come.



## LCC Group's Place in the Community Supporting Equality for those with Disabilities

LCC Group believe in equal opportunity for all and support initiatives to help the neuro diverse and physically disabled in their quest for work through partnership with a series of organisations such as the Now Group.

### Now Group

*The NOW Group in Northern Ireland is a social enterprise dedicated to supporting individuals with learning difficulties and autism into employment.*

They achieve this through a diverse range of programmes and services tailored to meet the unique needs of their participants.

NOW Group operates several social enterprise businesses, including Loaf Catering, which provides catering services while offering valuable work experience and training opportunities.

By combining business activities with social impact, NOW Group creates sustainable pathways to employment for individuals who often face significant barriers in the job market. Beyond job creation, the organisation provides crucial support services such as employability training, mentoring, and advocacy. They also work closely with employers to promote inclusive hiring practices and create supportive work environments.

Through its holistic approach, NOW Group empowers individuals with learning difficulties and autism to gain skills, confidence, and independence, fostering a more inclusive and equitable society in Northern Ireland. The organisation's work not only transforms the lives of its participants but also challenges societal perceptions and promotes the value of diversity and inclusion in the workplace.



# Environment



## LCC Group's Commitment to the Environment 2025

### Environmental Policy

Over the years, we have committed to a better understanding of environmental management and protection, both locally and globally. Our aim is to provide the best possible service to our customers while minimising our impact on the environment

Our Environmental Policy is centred around four key principles. We are committed to:

- Meeting environmental legislation including regulations relating to waste management, planning controls, safe oil, and coal storage.
- Communicating our environmental aims to our employees, suppliers customers and the general public.
- Continually improving our environmental performance.
- Preventing pollution from the storage, handling and distribution of coal and fuel oil.

To meet these objectives LCC Group continues to operate an Environmental Management System (EMS) that meets the requirements of the international environmental standard ISO 14001.

Objectives are set to ensure the correct planning and leadership is given to achieve environmental improvements. The success of the ISO 14001 system depends on compliance from all staff in our company.

Every employee is expected to adhere to the Environmental Policy, and it is posted on staff notice boards and included in environmental awareness training. We internally monitor implementation of our environmental policy at Board Level.

We integrate, environmental considerations into all our business decisions such that we can minimise our environmental footprint and step up our contributions to solving sustainable challenges.

## LCC Group's Commitment to the Environment 2025

### Investing in our Environment

We continuously invest in technology and efficiency projects across our operating businesses to minimise any environmental irritation. We have made substantial engineering solution investments in our coal wash plants and storage yards over the years. We have upgraded our water treatment thickener tanks and invested in vacuum disc filters to reduce airborne particles and solids in discharge, making operations more efficient.

We are always striving to improve our operational processes to minimise water consumption, reduce energy use, decrease the quantities of third-party chemicals used, limit discharge, reduce emissions and reduce costs. We recognise that emissions are only one element of our total environmental footprint. Protecting water resources is also an important factor in our overall sustainability efforts.

At all our operating sites, we comply with stringent environmental regulations to ensure that our activities do not endanger local surface water or groundwater. To avoid potential spills of polluting materials, we have invested in and implemented best practice material storage and water collection along with recycling and treatment systems with the appropriate pumping, decanting, bunding, overflow and runoff arrangements.

Where possible, we collect and utilise rain and storm water and recirculate back into the process reducing the amount of water intake from utility sources.

At office level, we have also improved our waste management and reduction initiatives through an enhanced effort to recycle and use the appropriate bins for the disposal of waste.

Furthermore, to deliver on green energy, our management is proactively seeking opportunities to support small wind farm providers (< IOMW), anaerobic digestion farms, solar and biomass plants and provide these energy generators a viable route to the retail market. At present, 47.3% of our electricity, in NI, is generated from renewable sources and this is set to increase as more of our customers demand green energy from us.

## LCC Group's Carbon Emission Report 2025

### Reporting Year: 2024

LCC Group's 2024 carbon emissions are displayed below.

Table 4: Summary of Scope 1, 2 and 3 Emissions across LCC Group

Reporting Year : 2024	
Emissions	tCO <sub>2</sub> e
Scope 1	3,638
Scope 2	894
Scope 3	4,426,097
Total Emissions	4,430,629

Key points regarding our emissions objectives and tracking are outlined below:

- LCC Group have taken our baseline year as 2022. LCC Group will be carbon neutral on its Scope 1 and Scope 2 emissions by 2036.
- LCC Group aim to be Net Zero by 2046, a goal achievable with support from upstream suppliers and downstream customers
- Refrigeration/cooling system data has not been included in Scope 1.
- Scope 3 emissions are estimates based on standard emission data statistics from 360 energy.
- Kerosene emission average from energypedia.info, derv from natural-resources. canada.ca, unleaded from comcar.co.uk Ethanol, FAME and HVO as natural products have not been included as emitters of CO<sub>2</sub>e.
- Scope 3 electricity as 2024 data has not yet been audited by Ofgem, GREX or SEMO.
- The electricity fuel mix by fuel type for 2024 has not yet been released.
- Revisions to previous calculations may cause updates to numerical data, for instance electricity fuel mixes being released.

## LCC Group's Carbon Emission Report 2025

### Our Greenhouse Gas (GHG) Emission Metrics

In our drive to deliver on our sustainability commitments and decarbonisation plan, we have continued tracking our Scope 1 and Scope 2 emissions and defined 2022 as our baseline year. We engaged the services of The Change to track our Scope 1 and 2 emissions across all our offices and retail locations. We hope to achieve a year-on-year reduction in our Scope 1 and 2 emissions as we continue to diversify and implement our energy transition initiatives.

Measuring and reporting on LCC Group's Scope 3 greenhouse gas (GHG) emissions has been a significant challenge, but it is an essential step that we have undertaken to affirm our commitment to sustainable practices.

Scope 3 emissions, which refer to all indirect emissions that occur across our value chain, are notoriously difficult to monitor due to their sheer depth and complexity. However, we consider this an opportunity to rise to the challenge of understanding our environmental impact in a more comprehensive light.

Furthermore, we are working to encourage and support our partners in adopting greener supply chain practices by engaging in clear and open conversations with our stakeholders about our sustainability goals and collaborating with our partners to innovate and implement best practices.

While we acknowledge that monitoring Scope 3 emissions is a massive undertaking, we are fully committed to fulfilling our responsibility by continuing to collate the information regarding our Scope 3 material categories in 2025.

As business demands rise amidst demand for energy, our target is to consciously drive a reduction in our operational Scope 1 and 2 emissions while maintaining our role of connecting energy demand and supply for our customers.

## LCC Group's Carbon Emission Report 2025

### 2024 Emissions Report Analysis

To understand LCC Group's 2024 emissions in a fuller context we should compare it to the baseline year, 2022.

Table 5: Emissions comparison 2022 - 2024

Emissions	2022	2024
	tCO <sub>2</sub> e	tCO <sub>2</sub> e
Scope 1	2,598	3,638
Scope 2	990	894
Scope 3	6,355,280	4,426,097
Total Emissions	6,358,868	4,430,629
Reduction		1,928,239

LCC Group has seen a moderate rise in Scope 1 emissions for the period while Scope 2 has decreased slightly. It is Scope 3 in which we see the biggest change with a significant drop in emissions.

To understand these changes we will delve into each category individually.

### Scope 1

Increases have been noted as predicted in scope 1 and 2 emissions. These are in line with the growth in size of the companies operations and are not of concern in regards to our meeting of our carbon neutrality or net zero targets.

Table 6: Comparison of Scope 1 emissions between the baseline year and 2024

Scope 1	2022	2024
Emissions (tCO <sub>2</sub> e)		
Kerosene	67	50
Diesel (Fleet)	58	74
Diesel (Haulage)	2,473	3,514
Total Emissions	2,598	3,638

LCC Group's Scope 1 emissions are comprised of kerosene and diesel, which is used in both the fleet and in haulage vehicles. These emissions are driven by the day-to-day business activity of LCC Group.



## LCC Group's Carbon Emission Report 2025

### Scope 2

Table 7: Comparison of Scope 2 emissions between the baseline year and 2024

Scope 2	2022	2024
Emissions (tCO <sub>2</sub> e)		
Electricity	990	894
Total Emissions	990	894

LCC Group's Scope 2 emissions are purely made up of the emissions from the electricity used by LCC Group. This electricity is used in LCC Group head office, Go stations, coal yards and other ancillary buildings.

### Scope 3

A significant reduction in CO<sub>2</sub> emissions has been achieved over the 2 years since our baseline year. This is due in the main to our transition towards customers who use our products in a more sustainable way and due to a number of technological innovations identified by the group and its partners.

Table 8: Scope 3 Emissions Comparison: Baseline Year to 2024

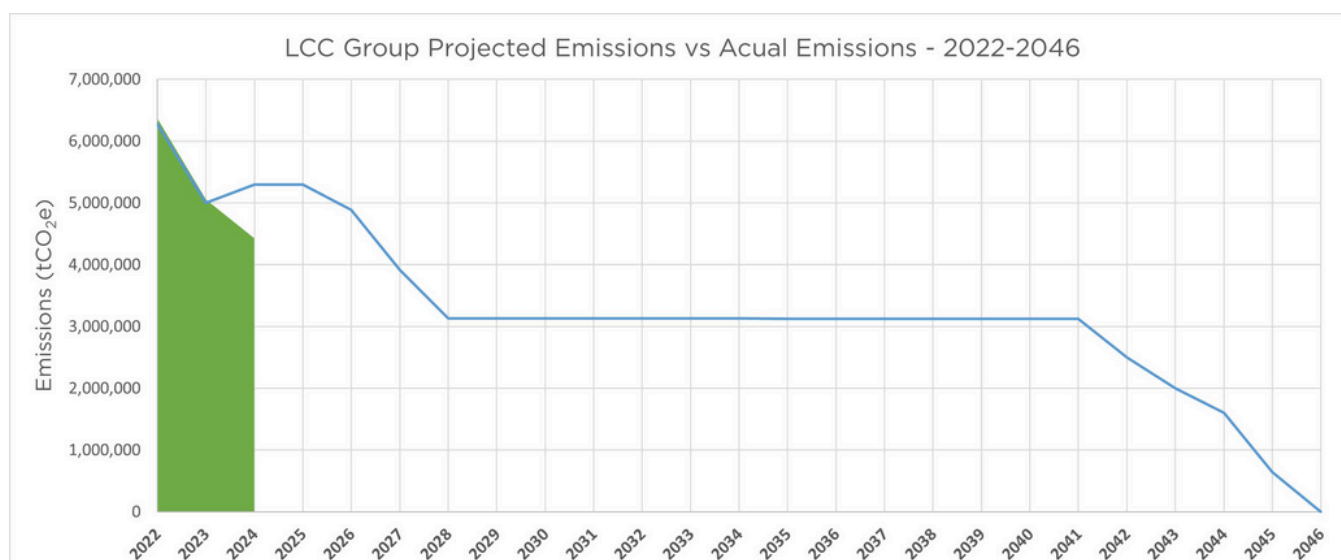
Scope 3	2022	2024
Emissions (tCO <sub>2</sub> e)		
Natural Gas	77,825	75,850
Thermal Coal	2,777,324	920,015
Electricity	199,884	148,200
Oil	2,241,034	2,544,350
Upstream Emissions	1,059,213	737,683
Total Emissions	6,355,280	4,426,097

LCC Group's Scope 3 emissions during the period were dominated by the downstream use of thermal coal with large contributions from the use of oil, electricity and gas. There has been a large reduction in the sale of thermal coal, in the past year due to market conditions., this has driven the majority of the decrease in Scope 3 emissions.

## LCC Group's Carbon Emission Report 2025

The section below outlines LCC Group's progress from 2022 to 2024 against its Carbon Reduction Plan and specifically its target to reach net zero by 2046.

Figure 4: Actual Emissions for 2022-2024 vs Target Emissions for 2022-2046



The figure for emissions in 2024 was significantly below the expected level due in part to a drop in overall volume of solid fuel sold and an increase in the sale of higher value but lower volume solid carbon products.

Although we significantly reduced our emissions below our original target for 2024 by X eTonnes CO<sub>2</sub> we have chosen not yet to reduce our target for 2025 or to predict carbon neutrality at an earlier date due to a continued expectation of growth in sales at the group.

**Why LCC Group's emissions are not expected to decrease in a linear fashion, year-on-year.**

In our aim to deliver a clear, consistent Carbon Reduction Plan, LCC Group will focus its efforts on reducing emissions as quickly as possible, however we endeavor to be both authentic and accurate in our predictions requiring the below caveats to be made.

Despite significant effort on the part of LCC Group towards a net zero strategy gaps in governmental policy, availability of finance for the transition from fossil-derived fuels to green fuels and a lack of price competitive and readily available renewable fuels have required LCC Group to be conservative in its prediction of its carbon neutral (Scope 1,2) and net zero strategies.

## LCC Group's Carbon Emission Report 2025

### Scope 3 Emissions

We have used our best estimate based on litreage of liquid fuel, coal sold, natural gas, electricity and total volume of energy sold to acquire our Scope 3 emissions levels in line with Scope 3 reporting standards. Although Scope 3 is not a requirement of our reporting, LCC Group views our Scope 3 emissions as a critical part of our Carbon Reduction Plan in line with a global net zero emissions target of 2050. We aim to hit this target by 2046 if appropriately supported by our customers and suppliers.

Scope 3 emissions include:

- Downstream emission estimates from thermal coal produced.
- Downstream emissions estimates from electrical energy sold.
- Downstream emissions estimates of liquid fuels sold.

### Thermal Coal

- Burning 1 Kg of anthracite produces approximately 3.3 kg tonnes CO<sub>2</sub>e while bituminous coal produces 2.42kg of CO<sub>2</sub>e. Our sustainability partner organisation, The Change, has defined a figure of 2.8kg of CO<sub>2</sub>e, given there is a blend of coals used with variable carbon content processed by LCC Group (source: 360energy.net).

### Electrical Energy

- Renewable certificates from SEMO on GO (Guarantee of origin) Renewable Credits in the Republic of Ireland and GO and Renewable Energy Guarantees of Origin (REGO) as guaranteed by Ofgem and GREX.

### Liquid Fuels

- Ethanol, FAME and HVO are biogenic products and thus are not considered emitters of CO<sub>2</sub>e.
- Kerosene emission average (source: energypedia.info).
- Unleaded emission average (source: comacar.co.uk).
- Derv emission average (source: natural-resources.canada.ca).

## LCC Group's Carbon Emission Report 2025

### Scope 3 Emissions Risk Summary

The challenge of reducing Scope 3 emissions requires LCC Group to work together with suppliers and customers. The risk of our customers not supporting us on this journey is significant.

Our efforts to capture and reduce upstream and downstream emissions have already begun, setting an aggressive target for Net Zero by 2046.

Table 9: Challenges in Reducing Scope 3 emissions

Type of Risk	Examples
<b>Regulatory</b>	GHG emissions-reduction laws or regulations introduced or pending in regions where the company, its suppliers, or its customers operate
<b>Supply chain costs and reliability</b>	Suppliers passing higher energy- or emissions-related costs to customers; supply chain business interruption risk
<b>Product and Technology</b>	Decreased demand for products with relatively high GHG emissions; increased demand for competitors' products with lower emissions
<b>Litigation</b>	GHG-related lawsuits directed at the company or an entity in the value chain
<b>Reputation</b>	Consumer backlash, stakeholder backlash, or negative media coverage about a company, its activities, or entities in the value chain based on GHG management practices, emissions in the value chain etc.

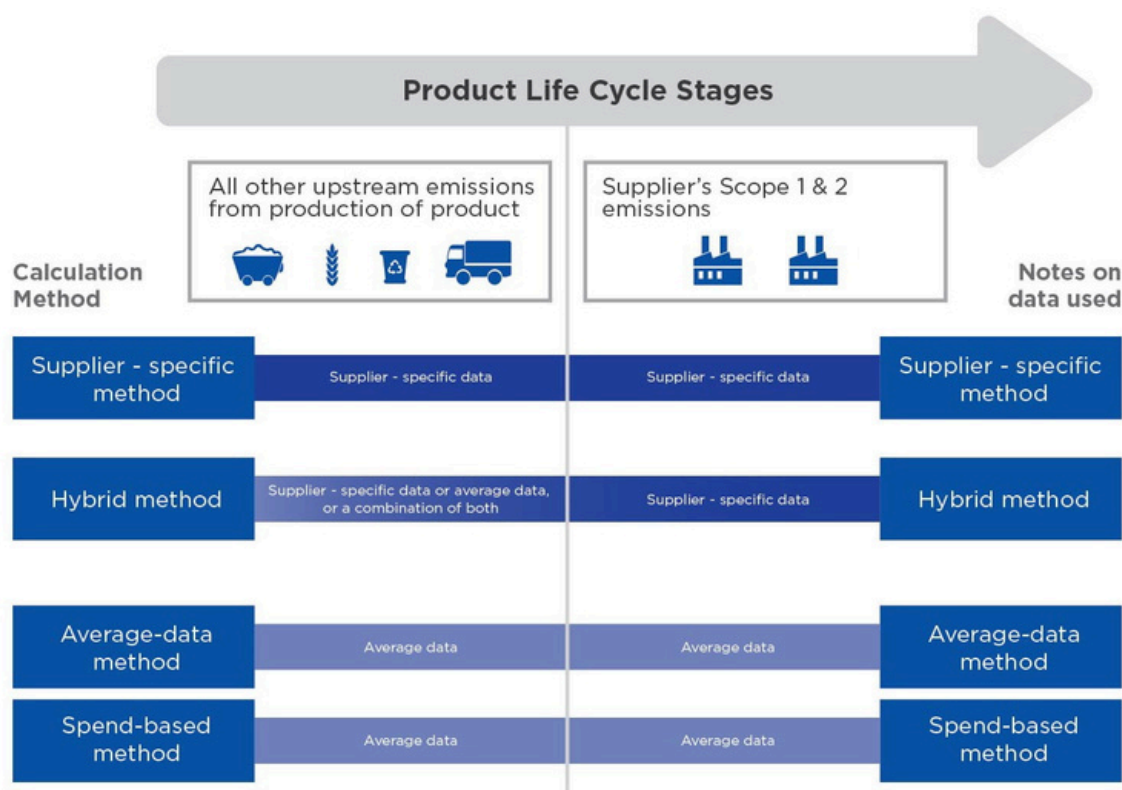
Table 10: Opportunities for LCC Group under Scope 3

Type of Opportunity	Examples
<b>Efficiency and Cost Saving</b>	A reduction in GHG emissions often corresponds to decreased costs and an increase in companies' operational efficiency.
<b>Drive Innovation</b>	A comprehensive approach to GHG management provides new incentives for innovation in supply chain management and product design.
<b>Increase sales and customer loyalty</b>	Low-emissions goods and services are increasingly more valuable to consumers, and demand will continue to grow for new products that demonstrably reduce emissions throughout the value chain.
<b>Improve Stakeholder relations</b>	Improve stakeholder relationships through proactive disclosure and demonstration of environmental stewardship. Examples include: demonstrating fiduciary responsibility to shareholders, informing regulators, building trust in the community, improving relationships with customers and suppliers, and increasing employee morale.
<b>Company Differentiation</b>	External parties (e.g. customers, investors, regulators, shareholders, and others) are increasingly interested in documented emissions reductions. A Scope 3 inventory is a best practice that can differentiate companies in an increasingly environmentally-conscious marketplace

## LCC Group's Carbon Emission Report 2025

### How Scope 3 emissions have been recorded

Scope 3 emissions for 2024 do not include upstream emissions or Scope 3 electricity emissions as 2024 data has not yet been audited by Ofgem, GREX or SEMO.



Due to the nature of our business, targets for Scope 3 emissions reduction with our client base exist in 4 key areas:

- Reduction to zero of upstream emissions by 2046 Reduction to zero of direct emissions per tonne of coal to zero used by our customers by a move away from thermal coal towards coal as a carbon additive product by 2046.
- Reduction to zero of direct emissions per litre of fuel to zero used by our customers by 2043.
- Reduction to zero of direct emissions per kw of electricity used by our customers by 2046.



## How LCC Group is Tackling Scope 3 Emissions 2025

### Our Commitment to Coal as a Material

LCC Group has recorded a reduction of 1,928,239 tonnes of CO<sub>2</sub>e across Scope 1, 2 and 3 emissions between 2022 and 2024. This achievement is based on an established figure of 2.8 kg of carbon, taking into account the blend of coals with varying carbon content processed by the company.

LCC Group has made significant strides in shifting from thermal coal towards the production of low-emission carbon products.

### Our Commitment to Electricity

LCC Group's wholly owned subsidiary, Go Power, is a leading supplier of electricity to the commercial and industrial sectors in Ireland. In 2023, 47.3% of Go Power's total electricity sales in NI were certified by SEMO, Ofgem and GREX as derived from renewable sources. 100% of Go Power's electricity sales in ROI were renewable in 2024 (Certified by SEMO).

### Our Commitment to Gas Diversification

As part of our comprehensive strategy, we are actively exploring hydrogen as an alternative fuel to natural gas for our customers. Hydrogen presents a promising avenue for significantly reducing carbon emissions, as it can be produced from renewable sources such as wind and solar power through electrolysis.

By integrating hydrogen into our energy infrastructure, we aim to offer our customers a cleaner, more sustainable energy option while simultaneously contributing to carbon neutrality.

We are also dedicated to moving away from natural gas in favour of bio methane. In line with our gas diversification approach, we intend to provide bio methane for multiple applications including gas injection into the grid.

## How LCC Group is Tackling Scope 3 Emissions 2025

### Our Core Targets - Carbon Neutrality & Net Zero

- A drive towards selling 100% renewable electrical energy by 2046.
- A drive towards selling 100% sustainable fuels by 2046.
- A drive towards 100% of our coal being used as a material rather than for its calorific content by 2036.
- A drive towards the full replacement of natural gas with hydrogen and biomethane by 2046.

### Scope 3 Data Collection & Review Process



## How LCC Group is Tackling Scope 3 Emissions 2025

External factors limiting our progressing towards Carbon Neutrality by 2036 and net zero by 2046.

LCC Group would like to expand access to EV charging points at a number of its sites however we are constrained by a series of factors:

A number of our Go stations do not have the free space to accommodate EV charging points and as a result we have not been able to facilitate these.

If installing charging points at our stations, we would prefer fast charging points to facilitate as many vehicles as possible. Unfortunately, the capacity for an appropriate grid connection limits the possibility of EV chargers to certain locations.

Concerning the limitations on our ability to impact our Scope 1 emissions profile, there are vehicles in the LCC Group fleet that cannot currently be converted from diesel to HVO. As a result, we must phase out our existing fleet over a period of time. Although we aim to do this as quickly as possible, it may not be appropriate to do so for economic or environmental reasons whereby disposal of a working vehicle would not make environmental sense.

On our Scope 2 emissions, LCC Group is moving toward Guaranteed Origin (GO) renewable energy.

LCC Group is focused on developing a sustainable business that transforms various areas of normally high-polluting manufacture into more sustainable practices, rather than outsourcing the polluting stages to other parts of the world.

The cost of renewable electricity, e-fuels and sustainable locally produced materials is a significant factor impacting consumer adoption of these products. LCC Group is driving towards ever more economical approaches to the production of circular, renewable and hence sustainable alternatives to fossil fuel products. Price differentials will continue to cause differences in our downstream emissions.

Our supply chain will be driven by price of production and demand for sustainable products. Raw materials including waste are in limited supply thus limiting the possibilities for Scope 3 emission reductions.

## How LCC Group is Tackling Scope 3 Emissions 2025

### Carbon Reduction Projects

LCC Group has a large number of projects across the group that will make a real difference to our emissions targets in future years.

The following environmental management measures and projects are in process, implemented since the 2022 baseline. The carbon emission reduction achieved by these schemes equate to an actual reduction in tonnes CO<sub>2</sub>e, of 1,928,239 or 30.32% against the 2022 baseline.

LCC Group has chosen to target a continued reduction in emissions based on this reduction in overall CO<sub>2</sub>e in 2025, despite the group being expected to grow in overall scale in 2025.

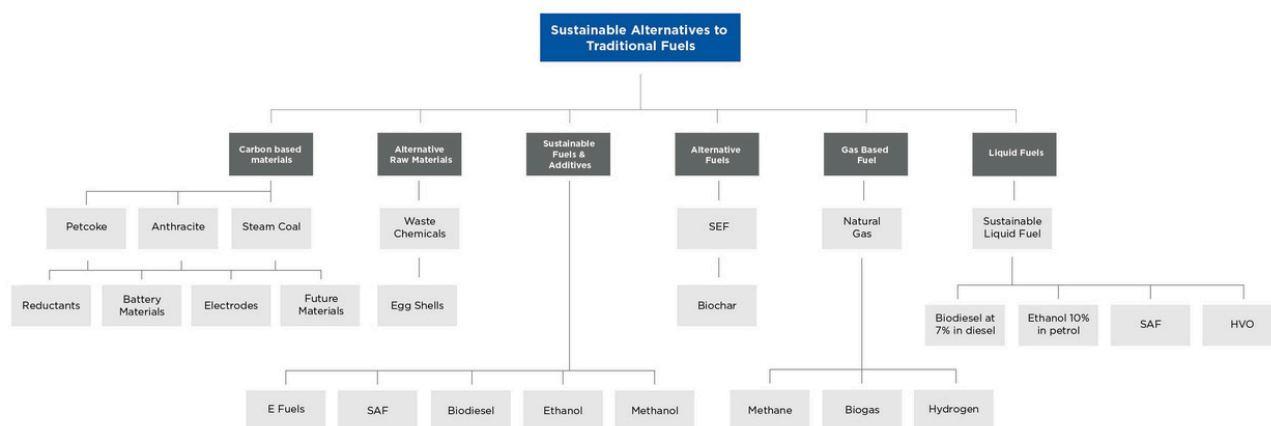
#### Initiatives:

- Between 2021 and 2024, LCC Group has reduced emissions from thermal coal by 1,563,488 tonnes CO<sub>2</sub>e.
- A significant reduction in the sale of thermal coal by 26.19% between 2022 and 2023 with a rise to 73.81% of coal being sold as a carbon additive material.
- The planning of construction of storage capacity for HVO, Bio Ethanol and FAME for blending in our new Cloghan Point Terminal and existing LSS Terminal.
- The increased supply of HVO.
- The development of a series of patent pending carbon materials from ROM Coal (Run of mine coal) to reduce further our emissions profile.
- LCC Group's wholly owned subsidiary, Go Power, is a leading supplier of electricity to the commercial and industrial sectors. In 2023, 47.3% of Go Power's, electricity in Northern Ireland was certified by Ofgem and GREX as derived from renewable sources, while 100% of the energy the group sells in the Republic of Ireland (Certified SEMO) is certified renewable.
- The implementation of 100% renewable credits in the Republic of Ireland.
- Intention to implement ISO14001. Engagement with The Change to identify alternative uses for ROM Coal such as graphite production.
- Blending of Biologically sourced product, ethanol, ABP and HVO.
- LCC Group is a significant contributor to the Sustainable Energy Authority of Ireland (SEIA) which funds cross sector community projects, supports residential customers in becoming more sustainable and provides financial assistance for those in need of financial support.
- Certificate of carbon saved implemented for our volume customers in liquid fuels.

## How LCC Group is Tackling Scope 3 Emissions 2025

### A View on the Sustainable Alternatives to Traditional Fuels

LCC Group is committed to a sustainable future and to identification of viable alternatives to traditional uses of fossil fuels where commercially viable.



### Engaging our Customers in Our Net Zero Journey 2025

LCC Group continues to pride itself on leading the way in sustainability. We continue to encourage our customers to reduce emissions across their own operations. We continue to issue certificates to our customers who are adopting alternative biogenic fuels as per the example of Belfast Harbour Commissioners below.





## How LCC Group is Tackling Scope 3 Emissions 2025

Carbon capture technologies will play a key role in the control of emissions and the production of efuels.

LCC Group is invested in the application of carbon capture to develop a resource for efuels production. When these technologies reach TRL 9, we could expect a decrease in the price of efuels and the creation of a potentially circular approach to the use of fossil fuels.

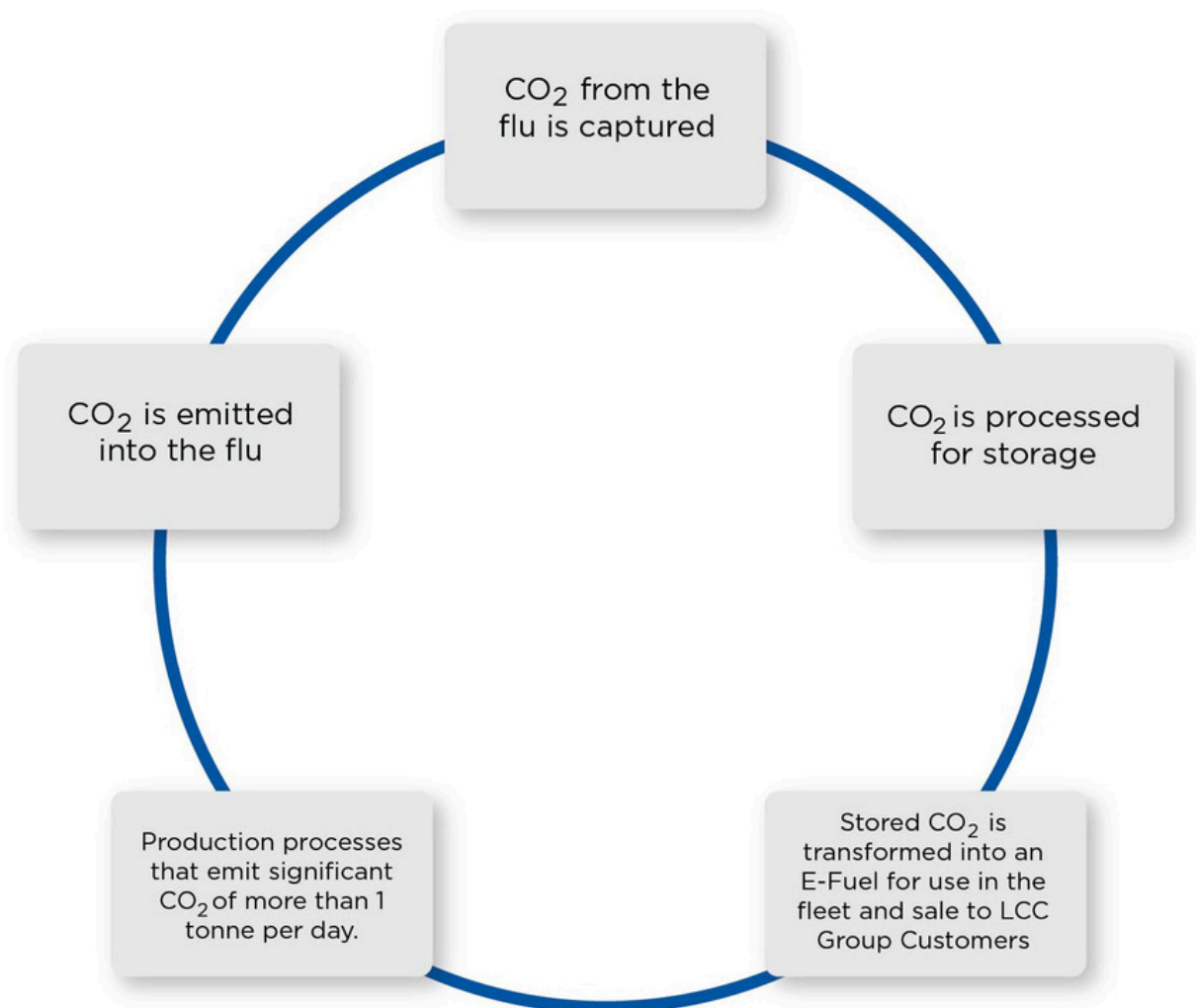
When carbon capture technology matures, it will be a game changer for the use of coal, facilitating blue hydrogen production and the reduction in the emission of GHG from the use of coal in a variety of contexts. The use of coal as a material has seen a significant increase beyond seeing it as only valuable for its calorific content.

A procurement exercise is currently ongoing in order to select appropriate technologies to pilot



## How LCC Group is Tackling Scope 3 Emissions 2025

### An Anthropogenic Carbon Cycle



#### Example:

An example of how carbon capture and the development of efuels could occur in carbon intensive industries releasing new fuel stocks to LCC Group for distribution.

## How LCC Group is Tackling Scope 3 Emissions 2025

### Continual Investment

In the future we plan to implement further measures such as:

- Education material for our clients and suppliers concerning emissions.
- Data capture method development for upstream and downstream emissions.
- The conversion of ROM Coal into Graphite, Graphene and Carbon Nano Tubes as opposed to coal being used as a solid fuel/thermal generator based on its calorific value.
- The production and blending of bio and synthetic fuels including SAF and alternative fuels for the maritime industry. The VAM (Ventilated Abatement of Methane) at active and disused coal plants owned by other organisations that continue to emit CO<sub>2</sub>e.
- Hydrogen production facilities, appropriate use and integration into the gas network.

## Reaffirming Our Aggressive Target of Net Zero by 2046

Despite the global target, and our expectation it could take longer, LCC Group is asking their suppliers and customers to join the company on its journey to Net Zero by 2046. This aggressive goal will push our suppliers and clients further, faster.

With a focus on carbon products, renewable energy and sustainable fuels we feel perfectly placed to support the green energy transformation across air, land and sea ensuring that no matter what the distance our customers have access to the most efficient green alternatives in support of a low carbon future.

## LCC Group's Declaration & Sign Off

### Declaration & Sign Off

LCC Group has committed to this sustainability strategy in line with good practice and governance. The Group's Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol Corporate Standard and uses the appropriate Government emission conversion factors for greenhouse gas company reporting.

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard).

This Sustainability Report has been reviewed and signed off by the Board of Directors.

Daniel Loughran

# Glossary



## Glossary

**Animal by-products (ABP):** Animal by-products (ABPs) are materials of animal origin that people do not consume. ABPs include among others: All parts of an animal slaughtered for human consumption, which are not edible or not placed on the market as food for example the skin, bones, horn and hooves, blood, fat and offal.

**Bovine Spongiform Encephalopathy (BSE):** BSE, more commonly known as Mad Cow Disease, is a progressive neurological disorder of cattle that results from infection by an unusual transmissible agent called a prion.

**Carbon Nanotubes (CNTs):** Carbon nanotubes (CNTs) are cylindrical molecules that consist of rolled-up sheets of single-layer carbon atoms (graphene). They can be single-walled with a diameter of less than 1 nanometre (nm) or multi-walled, consisting of several concentrically interlinked nanotubes, with diameters reaching more than 100 nm. They can be defined as a graphite sheet rolled up into a nanoscale tube.

**Commercial and Industrial (C&I):** "Commercial" refers to any business done with the sole motive of gaining a profit. "Industrial" refers to any business dealing with manufacturing goods.

**Department of Agriculture, Environmental and Rural Affairs (DAERA):** DAERA is a government department in the Northern Ireland Executive, the devolved administration for Northern Ireland. The department has responsibility for food, farming, environmental, fisheries, forestry and sustainability policy, and the development of the rural sector in Northern Ireland.

**Environmental Management System (EMS):** An EMS is "a system which integrates policy, procedures and processes for training of personnel, monitoring, summarizing, and reporting of specialised environmental performance information to internal and external stakeholders of a firm.

**Fatty Acid Methyl Ester (FAME):** Fatty Acid Methyl Esters (FAME) are a type of fatty acid ester that are derived by transesterification of fats with methanol. They are primarily used to produce biodiesel.

**Fuels for Ireland:** Fuels for Ireland, formerly known as the Irish Petroleum Industry Association, brings together companies involved in the importation, distribution and marketing of petroleum products, low carbon liquid fuels and other means to power transport, heating, agriculture, aviation and industry in Ireland.

**Graphene:** Graphene is an allotrope of carbon consisting of a single layer of atoms arranged in a hexagonal lattice nanostructure. Graphene is the thinnest and lightest compound and is the building-block of Graphite.

## Glossary

**Greenhouse Gas (GHG):** Greenhouse Gases are those gases that trap heat in the Earth's atmosphere, thereby raising the surface temperature of the planet.

**Guarantee of Origin (GO):** A Guarantee of Origin is an energy certificate defined in article 19 of the European Directive 2018/2001/EC. A GO certifies attributes of electricity, gas, heating and cooling, especially coming from renewable sources and provides information to energy customers on the source of their energy.

**Hydrotreated Vegetable Oil (HVO):** HVO is a synthetic diesel that has been made from a feedstock of renewable vegetable oil, animal oil or fat.

**Isostatic Graphite:** Isostatic Graphite refers to graphite materials produced by isostatic pressing. Isostatic graphite is a type of graphite with an ultra-fine grain that is used for specific purposes where the mechanical properties found in other fine-grained graphite are insufficient. Among its other desirable properties, isostatic graphite is corrosion resistant.

**Natural Graphite:** Graphite is a crystalline form of the element carbon and consists of stacked layers of graphene. Natural graphite is graphite that is formed by nature and is the most stable form of carbon under standard conditions. It is an important industrial mineral which finds applications in almost every facet of manufacturing including electronics, atomic energy, hot metal processing, friction, coatings, aerospace, powder metallurgy and more.

**Power Purchase Agreements (PPAs):** A PPA is a long-term contract between an electricity generator and a customer, usually a utility, government or company. PPAs may last anywhere between 5 and 20 years, during which time the power purchaser buys energy at a pre-negotiated price. Such agreements play a key role in the financing of independently owned electricity generators, especially producers of renewable energy like solar farms or wind farms.

**Renewable Energy Guarantee of Origin (REGO):** REGOs are certificates which demonstrate that electricity has been generated from renewable sources. REGOs scheme provides transparency to consumers about the proportion of electricity that suppliers source from renewable electricity. One REGO certificate is issued per megawatt hour (MWh) of eligible renewable output to generators of renewable electricity.

**Run of Mine (ROM):** Run of Mine or "ROM" coal is the coal extracted from the colliery, and which has not undergone any processing or resizing to suit the requirement of the user. ROM coal is a coal comprising of all sizes which comes out of the mine without any crushing or screening.

## Glossary

**Silicon Metals:** Silicon metals are grey and lustrous semi-conductive metals that are used to manufacture products such as steel, solar cells and microchips.

**Single Electricity Market (SEM):** The Single Electricity Market (SEM) is the wholesale electricity market operating in Ireland and Northern Ireland.

**Single Electricity Market Operator (SEMO):** The Single Electricity Market Operator (SEMO) facilitates the continuous operation and administration of the Single Electricity Market.

**Streamlined Energy and Carbon Reporting Regulation (SECR):** The SECR is a body that mandates large businesses in the UK to annually report on their energy and carbon emissions as well as any efficiency measures.

**Steam Coal:** Coal burned, primarily in boilers, to generate steam for the production of electricity or for process heating purposes or used as a direct source of process heat. Steam coal, also known as thermal coal, refers to all coal not classified as coking (or metallurgical) coal.

**Sustainable Aviation Fuel (SAF):** SAF is a cleaner alternative to power aircraft. SAF is produced using renewable feedstocks such as waste oils and agricultural residues. SAF is capable of reducing aviation carbon dioxide emissions by up to 80% in comparison to using fossil-based fuels.

**Sustainable Energy Authority of Ireland (SEAI):** The SEAI is an Irish governmental fuel for Ireland body established to promote and aid in the development of sustainable energy in Ireland. The main objectives of the SEAI as a statutory body are to ensure the implementation and adoption of energy efficiency across all Irish sectors, as well as the development of new technology for use with renewable energy sources and the decarbonisation of the Irish energy supply.

**Task Force on Climate Related Finance Disclosures (TCFD):** The TCFD provides information to investors about what companies are doing to mitigate the risks of climate change, as well as being transparent about the way in which they are governed. It was established in December 2015 by the G20 and the Financial Stability Board (FSB) and is chaired by Michael Bloomberg. It consists of governance, strategy, risk management, metrics and targets. It will become mandatory for companies to report on these disclosures by 2025 in the UK, although some companies may report earlier.

## Glossary

**Used Cooking Oil (UCO):** UCOs are oils and fats that have been used for cooking or frying in the food processing industry, restaurants, fast foods and at consumer level, in households.

**Ventilated Abatement of Methane (VAM):** Ventilated Abatement of Methane (VAM) refers to the process of reducing the quantity of methane that is released into the atmosphere during coal mining operations. VAM technologies have been developed to capture the methane that is present in the ventilation air and convert it into a usable energy source. This not only reduces the amount of greenhouse gases released into the atmosphere but also provides another practical use. The captured methane can be used to power equipment or generate electricity, reducing the reliance on fossil fuels and lowering the carbon footprint of the mining industry.

**Net Zero:** Net zero refers to achieving a balance between the greenhouse gases emitted into the atmosphere and those removed from it. This is done by reducing emissions and implementing methods like carbon capture or reforestation to absorb carbon dioxide.

**Carbon Neutral:** Carbon neutral refers to achieving a state where the amount of carbon dioxide emitted into the atmosphere is balanced by an equivalent amount removed or offset. This can be done through measures like reducing emissions, investing in renewable energy, or supporting carbon offset projects.



# Appendix



## Appendix 1 - What are Scope 1, 2 and 3 carbon emissions?

The three scopes are a way of categorising the different types of greenhouse gas (GHG) emissions created by a company, its suppliers and its customers, Scope 1, 2 and 3.

### Explained: Scope 1, 2 & 3 Emissions

A commonly used means to categorize a company's greenhouse gas emissions is to break them down into three scopes. According to the GHG Protocol corporate standard Scope 1, 2 & 3 as defined as follows.

#### Scope 1: Direct Emission

Scope 1 emissions are direct emissions from company owned and controlled resources. That means emissions that are released into the atmosphere as a direct result of a set of activities at firm level. Scope 1 emissions can be subdivided into four further sub- categorizes.

**Stationary Combustion** – Fuels, heating sources etc.

**Mobile Combustion** – All vehicles owned or controlled by a firm burning fuel (cars, vans, trucks). The increasing use of electric vehicles means that some of the organisation fleets could fall into Scope 2 emissions.

**Fugitive Emissions** – Leaks from greenhouse gases, refrigeration, or air conditioning units. They can be very difficult to quantify but can have a warming effect of up to a thousand times more than CO<sub>2</sub> and so businesses are encouraged to report them.

**Process Emissions** – Released during industrial processes and on-site manufacturing, for example factory fumes, production of CO<sub>2</sub> during cement production.

#### Scope 2: Indirect Emissions

Scope 2 emissions are indirect emissions owned by the company and result from the generation of purchased energy from a utility provider. For most organisations electricity will be the unique source of scope 2 emissions.

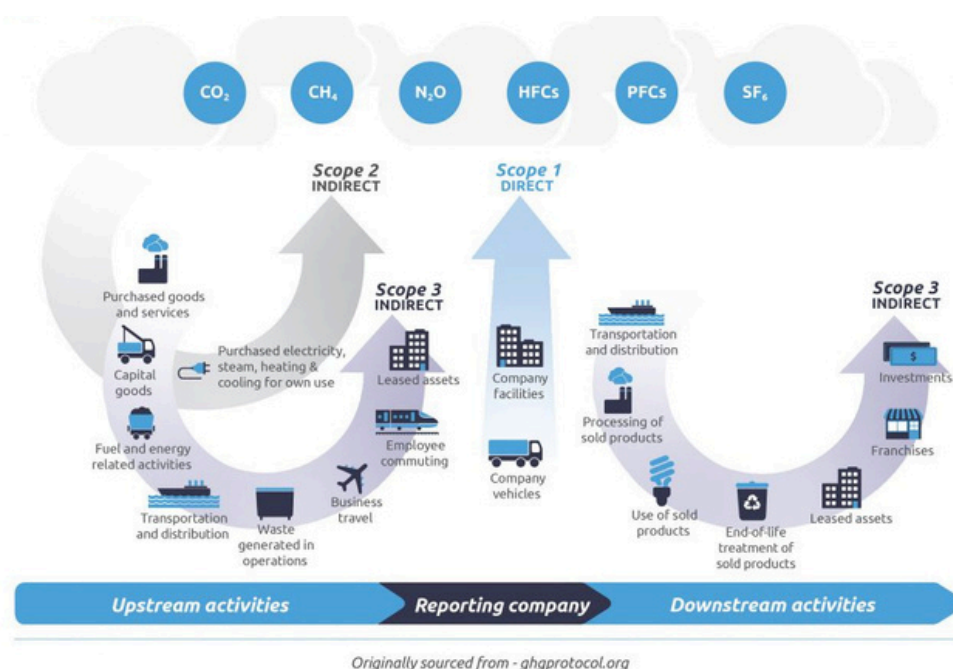
#### Scope 3: Indirect Emissions

Scope 3 emissions are all indirect emissions not owned by the company and that occur in the value chain of the reporting company. GHG Protocol would divide scope 3 emissions into a total of 15 categories, both upstream and downstream.

## Appendix 1 - What are Scope 1, 2 and 3 carbon emissions?



We have already stated that electricity use from a utility falls under scope 2. However, to be more exact only the electricity that you are metered for is counted under scope 2. The electricity that is lost during transmission and distribution by the utility company would fall under Scope 3.



## Appendix 2 - LCC Group Year-on-Year Emissions Projections

LCC Group's future emission projections are based on the following year-on-year emission calculations.

Table 11: Year on Year – Emissions (tCO<sub>2</sub>e) Projections - 2022 – 2050

Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Total Emissions (tCO <sub>2</sub> e)	6,274,951	5,000,699	5,297,536	5,297,536	4,887,236	3,909,789	3,127,831	3,127,831	3,127,831	3,127,831

Year	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041
Total Emissions (tCO <sub>2</sub> e)	3,127,295	3,126,867	3,126,524	3,125,702	3,125,154	3,125,154	3,125,154	3,125,154	3,125,154	3,125,154

Year	2042	2043	2044	2045	2046	2047	2048	2049	2050
Total Emissions (tCO <sub>2</sub> e)	2,500,123	2,000,098	1,600,079	640,032	0	0	0	0	0

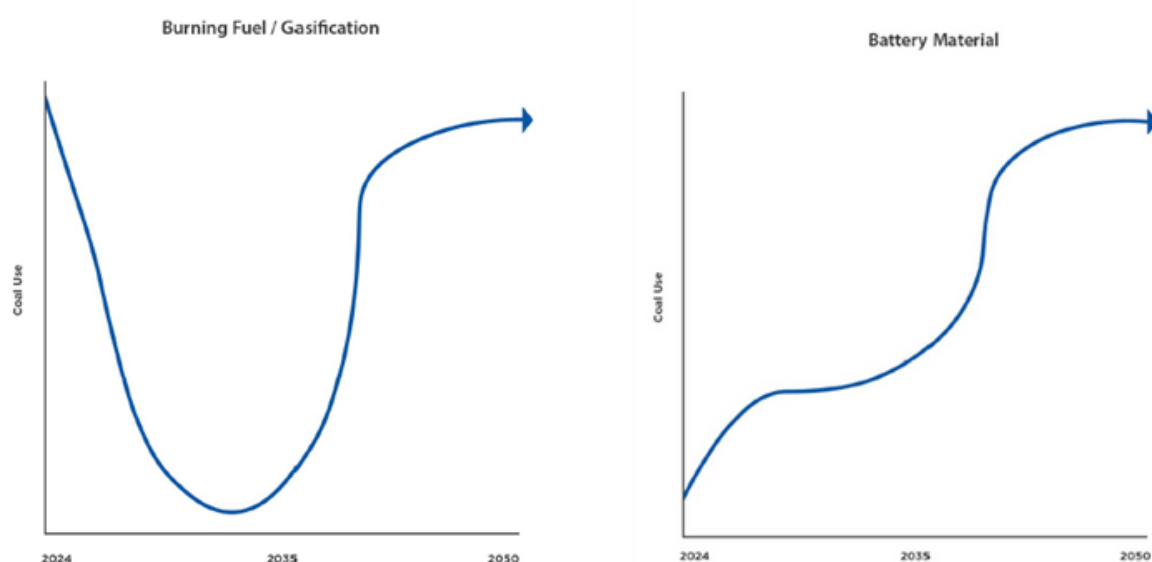
## Appendix 3 - A Future of Coal Use

When carbon capture technology matures it will be a game changer for the use of coal facilitating blue hydrogen production and the reduction in the emission of GHG from the use of coal in a variety of contexts. The use of coal as a material has seen a significant increase beyond seeing coal as only valuable for its calorific value.

### Burning Fuel/ Gasification

It is the expectation that carbon capture technology combined with coal gasification will enable coal to be used for a wide range of applications while avoiding significant future emissions thus unlocking new use cases for coal once appropriate technologies reach TRL9.

Figure 5: Future Use of Coal



### Battery Materials

LCC Group expects an increase in the use of pet coke and anthracite for the production of battery materials across Europe.

Although the trend will be nonlinear significant demand will be created for this and other material applications of coal.

# Highlights



5% of the world's clean drinking water is filtered by LCC Group's material

100% of Go Power's Electricity supplied in the ROI is from renewable resources

In 2023 LCC Group reduced their emissions by 1,303,821 tCO<sub>2</sub>e equating to 6% of Northern Ireland's emissions