



SUSTAINABILITY CHARTER for the liquid gas sector

April 2025





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Liquid Gas Europe (LGE) aims to contribute to the energy transition and decarbonisation of the economy while fostering a better society regarding social inclusion and governance practices. The association is eager to work with the various stakeholders to achieve this. We recognize our responsibility to act collaboratively and leverage our collective resources to nurture positive change.

As we enter a new era defined by environmental and climate consciousness, the imperative for sustainable practices becomes clear. It is with great pride and anticipation that I introduce this Sustainability Charter. In an age where the global community increasingly recognizes the urgent need for responsible stewardship of our planet, the energy sector, particularly the LPG industry, has a pivotal role. This charter presents our industry's focus areas to forge a path toward a more sustainable future where environmental preservation, social equity, and economic prosperity intertwine harmoniously.

Our responsibility is to fulfill the energy requirements of residents and businesses. This must be achieved sustainably through the organization and administration of our energy systems, employing processes and technologies aligned with the highest benchmarks in environmental conservation, transparency, equitable treatment, and engagement of stakeholders. Such initiatives will facilitate the journey towards energy transition and the development of a more equitable society, fostering positive outcomes for the communities where we operate.

We are dedicated to assessing and reporting progress. We, the supporters, provide data and details of actions planned and in progress that are in line with the focus areas and the SDGs listed in this document.

Each supporter has a unique sustainability pathway, which could vary depending on their sector, geographic market conditions, and other factors. Therefore, the ESG framework includes examples of best practices that showcase how our members are already contributing positively to sustainability. These examples are a helpful tool to highlight shared learnings and promote future collaboration with key stakeholders.

As a collective, we are dedicated to ensuring a sustainable future, which encompasses environmental, social, and financial aspects. Our collaborative efforts aim to make clean energy accessible to all, benefiting both people and the planet.

Ewa Abramiuk-Lété
General Manager, LGE

We wish to ensure that liquid gas, including LPG, rLG (including rLPG and rDME), is essential in Europe's transition to a sustainable future.

As Liquid Gas Europe's Sustainability Manager, I welcome you to our Sustainability Charter with great pride and enthusiasm. This document represents a significant step forward in our commitment to promoting sustainable practices, reducing environmental impacts, and making positive changes across our industry.

In a world facing unprecedented challenges due to climate change, resource scarcity, and social inequality, the energy sector's role has never been more critical. At Liquid Gas Europe, we recognize that sustainability is not just about compliance or meeting regulatory requirements but about leading the way toward a future where economic growth, social equity, and environmental stewardship are in harmony.

This Charter outlines the principles and focus areas that will guide us as we work together to transition to renewable and lower-carbon energy sources, ensure the well-being of our workforce, and maintain the highest standards of governance. It highlights our commitment to collaborating with stakeholders, embracing innovation, and continuously improving our practices to meet the needs of both current and future generations.

As we move forward, I am excited about the opportunities. Together, we have the power to

shape a more sustainable and resilient future for the energy sector and the communities we serve. I encourage each of you to engage in this Charter, to take ownership of our collective sustainability drive, and to contribute to the transformative journey we are embarking on.

Thank you for your dedication and commitment to making sustainability a core value of everything we do.

John Taylor
Sustainability Manager
Liquid Gas Europe



The Liquid Gas Europe (LGE) Sustainability Charter highlights the industry’s ongoing commitment to a more sustainable, lower-carbon future, reflecting its efforts in the transition towards Net Zero. It establishes a clear framework based on Environmental, Social, and Governance (ESG) principles, which align with global objectives such as the United Nations Sustainable Development Goals (SDGs) and European policy priorities.

This charter focuses on key areas: reducing greenhouse gas (GHG) emissions through the promotion of renewable liquid gases (bioLPG, and renewable DME), improving operational

efficiency, promoting fair and inclusive workplaces, ensuring the highest safety standards, and fostering transparent and ethical governance practices.

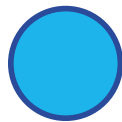
Through ongoing collaboration with stakeholders, data collection, and annual reporting, our industry is dedicated to tracking progress, refining strategies, and ensuring that the liquid gas industry plays a crucial role in Europe’s energy transition. This charter marks the first step in demonstrating our long-term dedication to environmental responsibility, social equity, and sound governance, laying the groundwork for meaningful change across the sector.



We focus on three main areas:
Environment, Social and Governance



Our seven focus areas showcase our ambition to address the **United Nations’ Sustainable Development Goals**



We use case studies to illustrate sustainability activities of our membership

The following roadmap delineates the key milestones in our sustainability journey.



This Sustainability Charter marks a pivotal first stride in our shared journey toward fulfilling our sustainability pledges while bolstering our economic performance.



The members of Liquid Gas Europe represent the full value chain of LPG in Europe:



17
National Associations



8
LPG Distributors



26
Affiliate Members

The energy industry is one of the largest global sources of greenhouse gas (GHG) emissions. Thus, transitioning this sector to low-carbon alternatives is vital for guiding towards a carbon-neutral future. This shift demands substantial dedication from all stakeholders to meet global, EU, and national decarbonization objectives.

Liquid Gas Europe (LGE) is the European association representing producers, distributors, and manufacturers of LPG, renewable liquid gases (rLG) such as bio-LPG, and rDME. Our association is dedicated to promoting sustainable and responsible business practices, and we recognize the importance of aligning our efforts with the United Nations’ Sustainable Development Goals (SDGs) and relevant European policy objectives. We have developed a Sustainability Charter based on an Environmental, Social, and Governance (ESG) framework to advance our sustainability focus. This charter outlines the shared principles we aim to adopt and implement across our organizations and operations.

The ESG framework is built around three key categories: environment, social, and governance. These categories are essential for creating sustainable and resilient businesses.

Each category aligns with the United Nations’ Sustainable Development Goals (SDGs) and relevant European policy objectives, helping us prioritize focus areas and track our progress towards sustainability.

Through this framework, we aim to contribute to the energy transition and the decarbonization of the economy while promoting social inclusion and robust governance practices. Liquid Gas Europe supports the industry’s efforts by collaborating with stakeholders to advance sustainability, recognizing the importance of collective action in driving positive changes.

This first Sustainability Charter marks a notable achievement for Liquid Gas Europe members. By outlining our focus areas, we aim to actively involve our stakeholders in realizing a sustainable future for everyone.



The development of the Sustainability Charter, as shown in Figure 1, commenced with a comprehensive assessment to define its scope. This involved identifying the key focus areas within the Environmental, Social, and Governance (ESG) framework pertinent to our organization's operations, stakeholders, and industry context.

Engaging with stakeholders at various levels was a crucial aspect of the charter development process. Through structured consultations, we actively solicited input from internal and external stakeholders, including employees and members. This engagement facilitated a thorough understanding of stakeholder expectations, concerns, and priorities related to sustainability.

By utilizing the expertise and insights of external stakeholders, we ensured that our goals were aligned with stakeholder expectations and the industry's best practices. Additionally, we

consulted our members to gather a diverse range of case studies, ensuring our sustainability initiatives are comprehensive and reflect real-world applications. These sustainability focus areas reflect our member organization's aspirations, values, and dedication to sustainability leadership.

This Sustainability Charter underwent internal and external third-party review and validation processes to ensure alignment with organizational goals, values, and strategic priorities. Feedback from key stakeholders, including senior leadership, sustainability champions, and governance bodies, was incorporated to enhance the goals' clarity, ambition, and feasibility.

Our focus on sustainability is an ongoing journey of continuous improvement. The Sustainability Charter is intended to be

periodically reviewed – every five years – updated, and enhanced in response to evolving stakeholder expectations, regulatory changes, emerging sustainability challenges and technological developments.

sustainability charter that reflects our organization's ambition to drive positive environmental, social, and governance outcomes while creating long-term value for all stakeholders.

By following this comprehensive methodology, we have developed a robust and impactful



Flow chart of the Sustainability Charter's methodology.



Environmental Focus

1 Support the shift towards cleaner and more sustainable energy sources by promoting the use of lower carbon and renewable & recycled carbon fuels	<ul style="list-style-type: none">• Increase the supply of renewable liquid gases• Invest in research and development programs focused on new production pathways for renewable liquid gases• Implement energy (and wider utility) efficiency activities and impact across operations• Promote the benefits of renewable liquid gases to consumers• Reduce emissions of internal operations and adopt a more circular approach towards waste• CO2 regulation for cars/vans• AFIR• Ecolabelling• Eco-design
2 Promote circular economy	<ul style="list-style-type: none">• Use waste to produce recycled and renewable gaseous products• Implement waste reduction, recycling, and reuse initiatives

Social Focus

3 Promote fair and equal treatment of workers and their continuous development in a safe workplace	<ul style="list-style-type: none">• Diversity and equality among the workforces• Promotion of safety at the workplace• Training the workforce
4 Provide the highest safety standards for transport, storage, and final use of liquid gases	<ul style="list-style-type: none">• Members' individual goals to achieve the highest safety standards supplemented by the coordination of the LGE Safety and Standardization Working Group• Safety information provided to customers (labelling, packaging)
5 Positively impact the territories and communities	<ul style="list-style-type: none">• Positive impact on ambient air quality where liquid gas combustion replaces wood/biomass/coal• Implementation of solutions to reduce emissions and improve air quality

Governance Focus

6 Practice fair and transparent activity	<ul style="list-style-type: none">• Adopt advocacy activities based on principles of transparency and supported by scientific evidence.• Adopt advocacy activities in good faith to impact the environment and health of customers.
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Policy Overview

At Liquid Gas Europe we are dedicated to sustainability and recognize our responsibility to minimize our environmental impact, promote social equity, ensure workplace safety, and contribute positively to the communities in which we operate. Our Sustainability Charter outlines our key focus and supportive policies.

Environmental Policies

1	Support the shift towards cleaner and more sustainable energy sources by promoting the use of low-carbon and renewable & recycled carbon fuels	<ul style="list-style-type: none">• Paris Agreement under the United Nations Framework Convention on Climate Change (UNFCCC)• EU Taxonomy and Energy Taxation Directive• Energy Performance of Buildings Directive (EPBD) – Renewable fuels to decarbonize buildings• Renewable Energy Directive• Emissions Trading Scheme (ETS) II• Energy Efficiency Directive• Euro 6 and Euro 7• Renewable Energy Directive (RED)
2	Promote circular economy	<ul style="list-style-type: none">• Packaging and Packaging Waste Directive• Circular economy action plan

Social Policies

3	Promote fair and equal treatment of workers and their continuous development in a safe workplace	<ul style="list-style-type: none">• Strategic Framework on Health and Safety at work 2021-2027• Occupational safety and health (OSH) “Framework Directive”
4	Provide the highest safety standards for transport, storage, and final use of liquid gases	<ul style="list-style-type: none">• EPBD• Joint Meeting of the RID Committee of Experts and the Working Party on the Transport of Dangerous Goods (WP.15/AC.1) – we frequently & actively engage with the work of this regulator.• Carriage of Dangerous Good by Rail (RID) and by road (ADR) Agreements• Classification, Labelling and Packaging (CLP) Regulation• REACH
5	Positively impact the territories and communities	<ul style="list-style-type: none">• Social Climate Fund• Just Transition Mechanism• Common Agricultural Policy (CAP) – second pillar• Industrial and Livestock Rearing Emissions Directive (IED 2.0)• Zero Pollution action Plan

Governance Policies

6	Practice fair and transparent activity	<ul style="list-style-type: none">• Code of conduct for transparency• Green claims directive• Per- and polyfluoroalkyl substances (PFAS) directive
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This Policy Overview reflects our focus on sustainability and guides our actions as we strive to create a more sustainable future for all.

08 Alignment with SDGs*

You can find more information on the European Commission website and on the United Nations website

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09 Case Studies

LGE Case Study

In 2023, an existing LPG customer was transitioned from LPG to bioLPG, demonstrating the potential for rapid and affordable decarbonization by simply switching from a traditional fuel to a lower carbon alternative, using the same building services technology. Starting in 2024, LGE began a project to evaluate the impact of this switch and provide guidance on further energy efficiency improvements. The initial steps included installing smart gas meters for daily consumption monitoring, obtaining an EPC rating, and conducting an energy audit. Future actions will involve installing electricity sub-meters, indoor environmental quality sensors and delivering a sustainability seminar.

SHV Energy Case Study

Primagaz Belgium's HVO100 Pilot: Pioneering Carbon Reduction in Transport

Linked to SDG 13: Take urgent action to combat climate change and its impacts.

Primagaz Belgium has launched a successful pilot project using HVO100 diesel for secondary transport, significantly reducing GHG emissions. HVO100, or Hydrotreated Vegetable Oil (HVO), is a fossil-free biofuel made from food industry waste that cuts GHG emissions by up to 90% compared to fossil diesel. From November 2022 to April 2023, three bulk trucks running on HVO100 covered 65,000 km, achieving a total CO₂ reduction of fourteen tons. Following this success, a cylinder truck began using HVO100 in March 2024, with plans to expand the HVO100 fleet to cover 50% of Primagaz's 1.4 million km annual transport by the end of 2024. This initiative underscores Primagaz's dedication to sustainable transport and substantial CO₂ emission reductions.

UGI International Case Studies

Solar PV: Harnessing Solar Power for Sustainable Energy Consumption in Poland

Linked to SDG 12: Ensure sustainable consumption and production patterns.

In the autumn of 2023, AmeriGas in Poland invested in Solar PV (photovoltaic) connectors to optimize self-consumption at two different filling plants. The company aims to cover up to 25% of the total energy consumption in these facilities. The PV installations are constructed to ensure that the largest possible percentage of the energy produced is consumed for our own needs.

Based on the success of these two installations, other projects across UGI International are considered to lower the emissions footprint and drive advancements in sustainable fuel production. This is a key step in our ambitions to minimize emissions and secure sustainable solutions for our internal energy consumption.

Bio-Propane: Empowering Rural Areas with Clean and Affordable Energy

Linked to SDG 7: Ensure access to affordable, reliable, sustainable, and modern energy for all.

Antargaz in France has been offering bio-propane to its business customers for several years. This efficient energy solution enables a CO₂ emissions reduction by 73%* compared to fossil LPG. This approach is part of our commitment to supporting thousands of rural customers in their energy transition. One specific solution offered to the market is the Antargaz Elfi 5kg cylinder, which is now converted to renewable gas, enabling an efficient reduction of the carbon footprint. With more than 9,000 sales points, this cylinder is very popular among consumers who are looking for a more sustainable solution for cooking.

* Reductions depend on feedstock and so, bioLPG can reduce CO₂eq emissions up to 100%.

Solar-Powered Vending Machines: Climate Action Through Innovation in France

Linked to SDG 13: Take urgent action to combat climate change and its impacts.

Antargaz is the first gas supplier to have set up gas cylinder vending machines over 10 years ago. More than 1,700 have already been installed across France. Equipped with solar panels and open 24 hours a day, 7 days a week, our vending machines provide a key service to customers living in remote areas.

Kosan Gas: Accelerating Renewable Energy Access in Nordic Markets

Linked to SDG 7: Ensure access to affordable, reliable, sustainable, and modern energy for all.

Back in 2017 Kosan Gas started introducing renewable solutions into the Nordic markets. With bioLPG available as a more sustainable alternative for especially B2B-customers – often rural off-grid industry customers – we service a segment that does not always have alternatives routes to join the energy transition. Since then, not only B2B segments benefit from bioLPG (reduction of CO₂ emissions by up to 94%). Today, the product is also offered in Denmark with a blend of 20% in certain cylinder types for domestic customers.

CEN/TC 286 Case Study

Setting New Standards for Environmental and Climate Sustainability

Linked to SDG 13: Take urgent action to combat climate change and its impacts.

CEN/TC286 (Liquefied petroleum gas equipment and accessories), Working Group 10 has developed a technical specification designed to help all other CEN/TC286 working groups consider, in a systematic way, aspects of environmental sustainability when developing and revising standards. This technical specification aims to address the protection of the environment, a critical political issue in Europe and beyond. Recognizing climate change as an unequivocal threat impacting regions differently, the specification emphasizes early consideration in the standard development process. Based on the best available knowledge, it aligns with CEN Guide 4 and CEN/CLC Guide 32. Manufacturers are advised to develop environmental management policies according to the EN ISO 14000-series, with implementation entrusted to qualified personnel. Additionally, environmental aspects are integrated into occupational health and safety considerations to ensure a sustainable and safe environment.



We intend to collect data and provide updates on our industry’s overall performance.

This performance will be that of our members, who can provide this data, although we expect this to be at least 50% of our membership.

These updates will comprise both quantitative (e.g., GHG reductions) and qualitative (e.g., fair and transparent activity) data.

We also encourage the sharing of new example case studies provided by our members, illustrating further progress in these sustainability domains.



This Sustainability Charter reiterates our dedication to these important sustainability focus areas. By adhering to our Environmental, Social, and Governance (ESG) framework, we have made significant progress in reducing emissions, enhancing workplace diversity, and improving transparency in governance practices. These successes demonstrate the industry’s dedication to sustainability and provide a solid foundation for future advancements.

Through these sustainability focus areas, we hold ourselves and our stakeholders accountable for driving concrete progress toward our shared goal of sustainability. We aim to make significant reductions in our collective carbon footprint and the provision of volumes of renewable & recycled carbon liquid gases, increase community engagement, and establish transparent governance practices within our industry.

These are grounded in practical steps to leave a legacy of environmental responsibility and operational resilience. We invite all stakeholders to join us in this pursuit, recognizing the necessity of collaborative efforts in achieving tangible results.

Faced with present challenges, we acknowledge the importance of leveraging existing technologies and coordinated actions. Together, we possess the skills and determination to overcome obstacles and move towards a more sustainable, equitable future.

Embracing our shared responsibility, we embark on this journey knowing that our efforts today will shape tomorrow. Together, we work towards a future where sustainability is not just a concept, but a reality woven into the fabric of our society.

Liquid Gas Europe is dedicated to leading by example, and we invite others to join us as we take concrete steps towards a more sustainable future for all.



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