



# GROWING RESPONSIBLY

2021  
Sustainability  
Report





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**DISCLAIMER**

Throughout this report, materiality refers to the list of sustainability topics about which Livent communicates because they are material for our stakeholders in this context. It should not be confused with materiality for financial reporting or regulatory purposes.

Forward-looking Statements: This report contains certain statements that relate to future events and expectations and, as such, constitute forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements include those containing such words as “may,” “might,” “will,” “will continue to,” “will likely result,” “should,” “expect,” “expects,” “intends,” “plans,” “anticipates,” “believe,” “believes,” “estimates,” “predicts,” “potential,” “continue,” “could,” “forecast,” “is confident that,” “plans,” or “projects,” the negative of these terms, and other comparable terminology. All statements that reflect Livent’s expectations, assumptions or projections about the future, other than statements of historical fact, are forward-looking statements. Forward-looking statements by Livent are not guarantees of future performance and are subject to known and unknown risks, uncertainties, and changes in circumstances that are difficult to predict. Although Livent believes that expectations reflected in any forward-looking statements are based on reasonable assumptions, it can give no assurance that these expectations will be attained, and it is possible that actual results may differ materially from those indicated by these forward-looking statements due to a variety of risks and uncertainties. For a discussion of some of the specific factors that may cause Livent’s actual results to differ materially from those projected in any forward-looking statements, see the risk factors described in our most recent Annual Report on Form 10-K for the fiscal year ended December 31, 2021, and other SEC reports. Livent disclaims any obligation to update publicly any forward-looking statements, whether in response to new information, future events or otherwise, except as required by applicable law.

References to various Global Reporting Initiative (GRI), Sustainability Accounting Standards Board (SASB), Taskforce for Climate-related Financial Disclosures (TCFD) and UN Sustainable Development Goals (UNSDG) disclosures are included throughout the report, in gray text, and summarized in the Disclosure References section.





## FROM OUR CEO

Over the course of 2021 and into 2022, we have seen incredibly strong demand for lithium, led by record-setting demand for electric vehicles (EVs). We anticipate that demand will continue to grow as urgency builds for climate solutions and the transition to electrification. Consumers and governments are driving the fast-growing EV market and focusing on policies and practices that accelerate the shift away from fossil fuels.

At the same time, we know our customers and stakeholders care deeply about how lithium is produced. So do we. We welcome greater expectations for responsible growth across our industry and in the EV/battery supply chain and are already making significant contributions to sustainability efforts and regulatory frameworks.

That is why our 2021 Sustainability Report theme is “Growing Responsibly.” This focus reflects our conviction at Livent that it is imperative—and achievable—to expand lithium production in a sustainable way.

We are taking action to deploy our resources and engineering know-how to responsibly and sustainably meet the growing demand for lithium, while contributing positively to the needs and priorities of all our stakeholders, including local communities, customers, employees, investors and regulators.

Our unwavering commitment to growing responsibly is reflected in our core values and our company-wide focus on delivering our 2030 and 2040 sustainability goals—even as we look to significantly increase our production capacity over the next several years. Sustainability is and will continue to be a top priority for Livent as we approach key implementation milestones in our current expansion projects and advance work on our recently announced additions.

We are excited about and ready for the opportunities ahead as we continue our mission to advance a cleaner, healthier, and more sustainable world, by growing responsibly.

Sincerely,

**Paul Graves**  
President and CEO



# 01

# ABOUT LIVENT







# COMPANY OVERVIEW

Livent is a fully integrated lithium company with a rich heritage of innovation and a long, proven history of producing performance lithium compounds. For nearly eighty years, Livent has partnered with our customers to produce lithium in a safe and sustainable manner. We are one of a few companies globally that has the technical skills, knowledge and proven track record to reliably deliver high-quality finished lithium compounds to meet the growing global demand for lithium.

Livent has one of the most diverse product portfolios in the lithium industry, with the operational flexibility and engineering capabilities to manufacture products for different lithium markets and support an array of applications with varying chemistries and requirements. Our products are critical components for supporting innovation across numerous industries that are essential for powering modern life, including rechargeable batteries for electric vehicles (EVs), renewable energy storage solutions, portable consumer electronics and power tools.

Our products are also used in the manufacturing of synthetic rubber for “green” tires, footwear and medical devices; light-weight metal alloys for airplanes, rockets and spacecraft; essential pharmaceuticals and agricultural chemicals; air purification systems; and a broad spectrum of industrial greases, building materials and chemical intermediaries.

Livent is one of the lowest-cost fully integrated lithium producers in the world. We have a leading, differentiated sustainability profile for brine-based lithium extraction and manufacturing, with a proven track record for successfully using our proprietary Direct Lithium Extraction (DLE) process technologies on a commercial scale for more than 25 years.

We also take great pride in our deep customer relationships with leading producers in the automotive and battery industries, our culture of leading-edge innovation and history of industry firsts, our global manufacturing capabilities and our ability to meet the increasing needs and requirements of our customers.

# PURPOSE

We harness lithium technology to power people’s lives for a cleaner, healthier and more sustainable world.

# CORE VALUES

- **Safety First:** We put safety at the forefront of everything we do. Simply put: the safety of everyone is everyone’s responsibility.
- **Thrive With Customers:** Customers are at the heart of everything we do. By listening to and learning from them, we work together to build better lithium technologies.
- **Be Responsible:** We act ethically and honestly to advance responsible and sustainable practices in all aspects of our business.
- **Celebrate Differences:** We celebrate our differences in perspective, background and expertise, empowering our employees to be authentic and transparent. By encouraging employees to bring their own selves to work, we make Livent more dynamic.
- **Constantly Innovate:** We help move the world forward and strive to constantly innovate through agile thinking, our industry-leading material science expertise and an intimate understanding of our core element: lithium.



# HISTORY

Livent's history dates back to the 1940s, when Lithium Corporation of America was formed and worked with the United States federal government to develop applications for lithium. FMC Corporation (FMC) acquired Lithium Corporation of America in 1985 and created FMC Lithium. In 2017, FMC announced the decision to separate FMC Lithium into a publicly-traded company. Livent started trading on the New York Stock Exchange (NYSE: LTHM) in October 2018 and became a fully independent company in March 2019.



**1944**  
Lithium Corporation of America formed in Minnesota; started Lithium Hydroxide production

**1954**  
Opened Bessemer City, North Carolina production facility

**1980**  
Opened U.K. Butyllithium facility

**1991**  
Worked with Sony to develop first Lithium-Ion Batteries

**1996**  
Opened sites in Argentina; ceased North Carolina mining operations; filed first patent for cathode technology

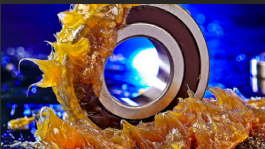
**2007–2009**  
Butyllithium sites opened in India and China

**OCT 2018**  
Held IPO on the NYSE and changed company name to Livent

**NOV 2020**  
Announced a 25% investment stake in Nemaska Lithium Inc.

**NOV 2021**  
Launched proprietary LIOVIX® Lithium Metal product

**MAY 2022**  
Announced multiple additional Lithium Carbonate and Lithium Hydroxide capacity expansions around the world and an agreement to double ownership stake in Nemaska Lithium to 50%



**1950s**  
Partnered with the U.S. government to develop markets for Lithium Carbonate and Lithium Hydroxide (ceramics, glass, air treatment, grease and military applications)

**1970**  
Developed market for use of Butyllithium in solution; Styrene Butadiene Rubber (SBR) applications

**1985**  
FMC acquired Lithium Corporation of America

**1995**  
Completed first application of Lithium Hydroxide in nickel-rich cathodes

**2000**  
Filed first patent for SLMP® technology in battery applications

**2017**  
Commenced Lithium Hydroxide production in Rugao, China

**2019**  
Livent completed separation from FMC Corporation; filed first patent for Printable Lithium Technology

**MAR 2021**  
Resumed capacity expansion projects in Argentina and the U.S. following a pause during the COVID-19 pandemic

**FEB 2022**  
Announced second expansion project in Argentina

**JUN 2022**  
Livent doubles its investment stake in Nemaska Lithium Inc. to 50%





Key

- Offices
- Manufacturing/Sourcing Facilities

● Manufacturing/Sourcing Facilities

North America

Bessemer City – North Carolina, United States

South America

Fénix – Catamarca, Argentina

Güemes – Salta, Argentina

Europe

Bromborough – England, United Kingdom

Asia

Patancheru – Telangana, India

Rugao – Jiangsu, China

Zhangjiagang – Jiangsu, China

LOCATIONS

Livent has six manufacturing sites and ten offices around the world. We also work closely with a manufacturing/sourcing partner based in Rugao, China. The Rugao facility produces Lithium Hydroxide for Livent under an exclusive contract manufacturing relationship, complementing the Lithium Hydroxide we produce at our Bessemer City manufacturing site in the United States.

We extract lithium at our Fénix site from naturally occurring lithium-rich brine deposits at the Salar del Hombre Muerto, Argentina, which is located in the high Andes mountains (4,000 meters above sea level), approximately 1,300 kilometers northwest of Buenos Aires. Our Fénix site is also where we manufacture Lithium Carbonate.

Livent’s corporate headquarters are in Philadelphia, Pennsylvania, United States, and our primary research and development (R&D) and innovation facilities are located in Bessemer City, North Carolina. In addition, Singapore is a major commercial hub for our global business.





# PRODUCTS & MARKETS SERVED

We strive to build strong relationships with our customers to better understand their goals and exceed their expectations with our products. Our close partnership with customers provides us first-hand insight into our customers' objectives and future needs, which we use to drive innovation in our processes and products. Our primary product and research areas include:

- **Lithium Hydroxide and Lithium Carbonate** — for high-performance energy storage and specialty applications, including electric vehicles (EVs), renewable energy storage, electronic devices, power tools and lubricating greases.
- **Butyllithium** — for polymers for automobile interiors, rubber for tires and essential hospital equipment, pharmaceuticals (e.g., statins), agrochemicals and chemical applications in electronics.
- **High-Purity Lithium Metal** — for long-lasting, non-rechargeable batteries like those used in pacemakers and next generation Solid State rechargeable batteries (SSBs), as well as lightweight Aluminum-Lithium alloys for aerospace applications.

## Performance Applications Drive Our Business



Electric Vehicles



Primary Battery



Greases



Pharmaceuticals



Polymers



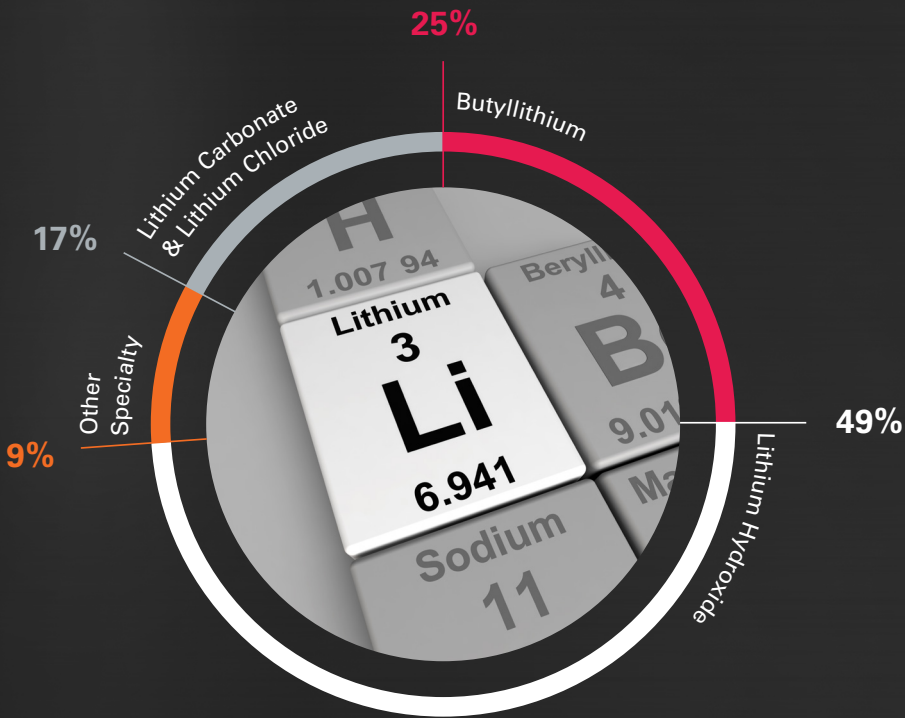
Aerospace



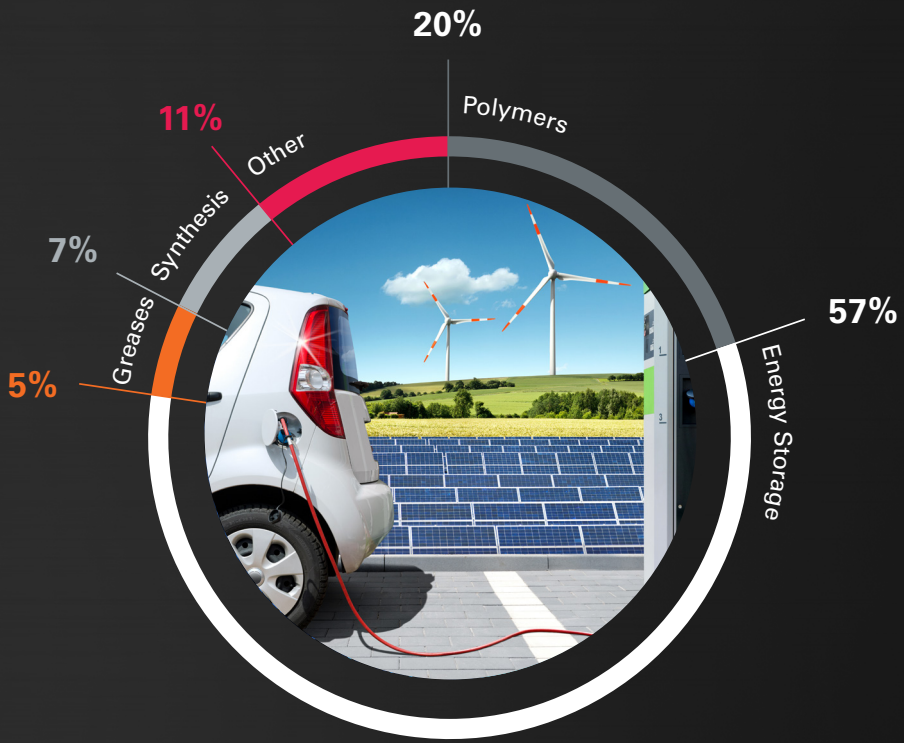
# 2021 Revenue by Product & Application



BY PRODUCT



BY APPLICATION



# FINANCIAL PERFORMANCE

Livent reported 2021 revenue of approximately \$420 million<sup>1</sup> and adjusted EBITDA of approximately \$70 million. These results represent 46% and 212% year-over-year growth, respectively. More details on our 2021 financial performance can be found in our [2021 Form 10-K](#).

# STRATEGIC GROWTH PRIORITIES

Our growth strategy is to focus on supplying high performance lithium products to the growing EV and broader battery markets while maintaining our reputation as a leading global producer of Butyllithium, High Purity Lithium Metal and other key lithium products.

The key components of our growth strategy include:

- Expanding our production capacities
- Diversifying our sources of supply
- Expanding our applications and process technology capabilities
- Developing next generation lithium compounds
- Investing in our people
- Advancing a cleaner, healthier and more sustainable future

<sup>1</sup> All amounts in this report are presented in US\$



# VALUE CREATION

We create value for our stakeholders not only through our products—and the applications they enable—but through our operational practices and commitment to social responsibility.

## Communities

We strive to have a positive impact on the communities in which we live and operate. Globally, each Livent location leads community engagement activities based on an ongoing assessment of local needs and opportunities. Many of our community outreach programs are led by employee volunteers who have built relationships with local charitable organizations and institutions. Some of these relationships span decades.

Our Community Relations program in Argentina is more formal and structured. It supports local development and employment, quality of life improvements and environmental actions. In addition, Livent contributes to and helps oversee the Argentina Infrastructure Trust<sup>1</sup>, which provides funding for infrastructure projects that benefit the communities of Catamarca, Argentina.

See the [Community Involvement & Development](#) section of this report for more information.

<sup>1</sup> This is Salar del Hombre Muerto Trust Fund that is more fully described in Livent's 2021 Form 10-K, Part I, Item 1, Business, Mineral Concession Rights, Water.



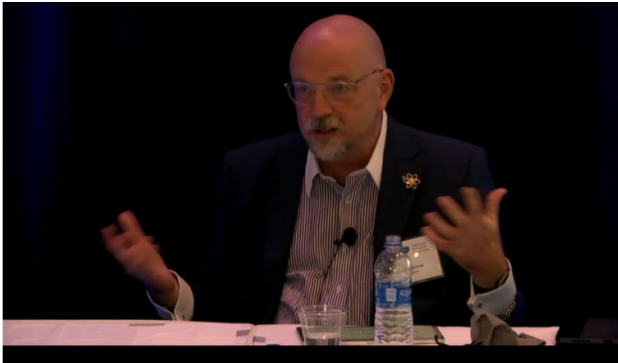
## Employees

We are a company of dedicated professionals working together to deliver on our shared mission of advancing a cleaner, healthier and more sustainable world. Our employees have opportunities to realize their aspirations and potential at Livent, working with many of the brightest minds in the industry and on projects which enable them to contribute to the development of many essential lithium applications, including those which enable the shift to electrification and the fight against climate change. We encourage our employees to bring their authentic selves to work by fostering a culture where we celebrate diversity, equity and inclusion and strive to provide a great work experience. We offer employees fair and competitive compensation & benefits, pathways and resources to support career development, and various programs that support employee health, safety and well-being.

More information on our employee experience, engagement and development programs can be found in the [Social Responsibility](#) section of this report.

## Investors

We aim to create value for our investors by successfully executing our growth strategies, achieving our performance objectives, and adapting to changing market conditions. More information on our financial performance can be found in our [2021 Form 10-K](#).



## Customers

Thriving with customers is a Livent core value. Customers are at the heart of everything we do. By listening to and learning from them, we work together to build better lithium technologies. As a result, our products enable our customers to achieve their product development and broader business goals. Our customers also value our ongoing focus on operational excellence and continuous improvement in product quality, safety, reliability and sustainability.

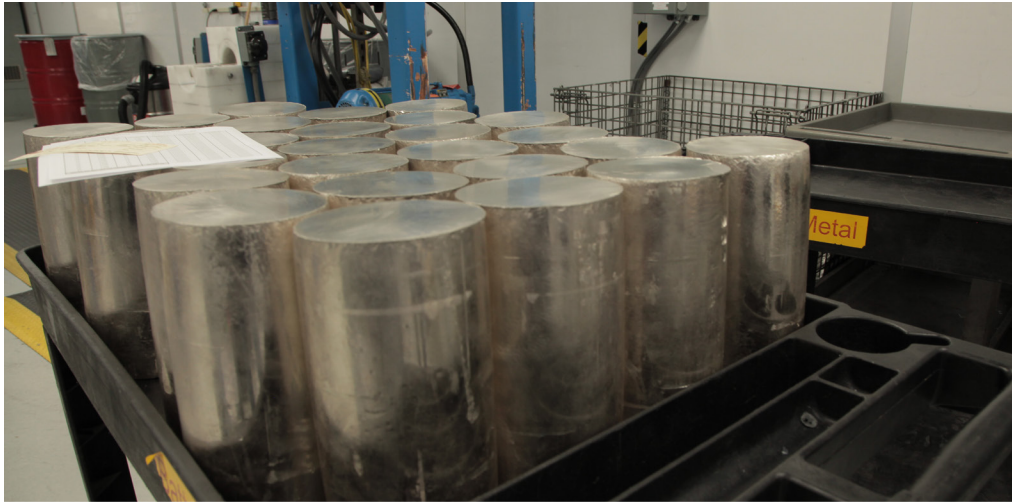
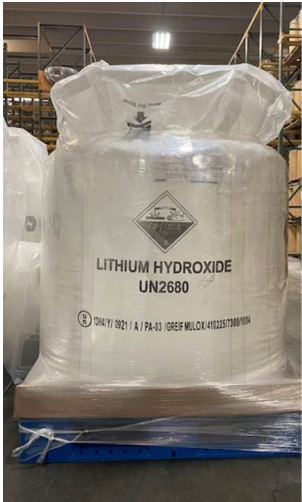
## Suppliers & Business Partners

We support employment and economic development in our supply chain through our influence and work with suppliers and business partners. To confirm they meet our standards and expectations, and those of our customers and other stakeholders, we carefully screen and select our suppliers and business partners for alignment with our values and sustainability commitments. We also have processes to assess their ongoing performance against our various sustainability measures. More details on our work with our suppliers can be found in the [Responsible Sourcing](#) section of this report.



Livent UK Wins 2022 Chemicals Northwest Operational Excellence Award





# PRODUCT IMPACT: CLIMATE SOLUTIONS

Our lithium products are essential in many applications across multiple industries, including those which are advancing large-scale solutions for climate change and global decarbonization. Some common climate change-related applications and their impacts include:

- **Lithium Hydroxide and Lithium Carbonate** are critical to the production of energy-dense and long-lasting batteries used in EVs and across a wide range of energy storage applications, including those that support renewable energy power generation.
- **High-Purity Lithium Metal** is positioned to drive the next generation of EV batteries and advanced energy-storage applications. Lithium metal is also used to make lighter and stronger alloys, which can improve fuel efficiency in various aerospace applications.
- **Butyllithium** contributes to polymer chain creation and is an important input for “green” rubber tires that improve fuel efficiency and/or battery use as well as for lighter, more durable vehicle interior materials.

There is little question anymore about the climate advantages of Electric Vehicles (EVs) over their Internal Combustion Engine (ICE) counterparts. It is well established that EVs produce significantly less GHG emissions vs. ICE vehicles on a life-of-ownership basis. It is now also becoming abundantly clear that today’s EVs generate significantly less GHG emissions on a total life cycle basis, which accounts for the emissions from vehicle manufacturing (including mineral extraction and material production) and vehicle end-of-life, in addition to well-to-wheel emissions. In fact, a 2021 analysis by the [International Energy Agency \(IEA\)](#) indicates that EVs currently avoid 50% of the total life-cycle GHG emissions generated by their ICE counterparts on a global average.

If we use the 2021 data from the IEA analysis and assume an estimate of approximately 20.0 metric tons of carbon dioxide equivalent (CO<sub>2</sub>e) avoided per EV, we believe that EV applications of Livent’s Lithium Hydroxide produced in 2021 alone will result in total savings of approximately 4,000,000 metric tons of CO<sub>2</sub>e, on a total life cycle basis, from the at least 200,000 EVs we estimate used our product. A leading global EV manufacturer estimates that the climate advantages of EVs are even greater on a total life cycle basis.



Today’s EVs generate 50% less GHG emissions on a total life-cycle basis than their ICE counterparts.<sup>1</sup>

1 Source: International Energy Agency 2021 Comparative life-cycle greenhouse gas emissions of a mid-size BEV and ICE vehicle estimate



# INNOVATION

Livent is a pioneer in innovation in the lithium industry, with deep technical expertise and knowledge of lithium processing and applications. Livent’s intellectual property spans over 157 patents and patent applications. Among Livent’s “industry firsts” are:

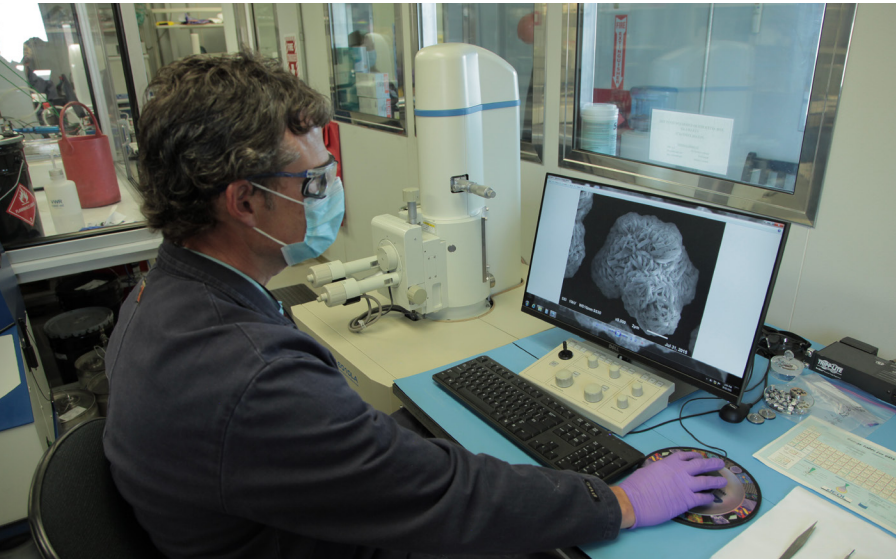
- Partnership with Sony Corporation to develop the first Lithium-Ion battery for commercial use (1991).
- First to apply Lithium Hydroxide to high nickel-rich cathodes (1995).
- First to successfully use Direct Lithium Extraction (DLE) process technologies on a commercial scale (1996).
- First to develop Stabilized Lithium Metal Powder, (SLMP®) (2000s), and Printable Lithium Technology (2019) to advance Lithium-Ion batteries (LIB) and enable Solid-State Batteries (SSB) technologies.
- First company with operations in Argentina to begin a third-party assessment using the Responsible Mining Standard of the Initiative for Responsible Mining Assurance (IRMA), and one of the first lithium companies in the world to become a full member of IRMA (2022).

To meet our customers’ expectations and develop next generation solutions, we work collaboratively with our customers on joint research. Many of our customer relationships have spanned decades, including relationships with industry pioneers and leaders over the past 25+ years. We are also intentional about cultivating a culture that supports inclusion and celebrating the diverse backgrounds, experiences and perspectives of our employees. This has allowed us to create a workplace environment where new ideas are welcomed and innovation can flourish. Another key enabler for innovation is our flexibility to align production with market demands.

Our expansion projects will increase our production capacity of various lithium products and improve our ability to deliver the products and technology that our customers need.

Our innovation platform combines our strengths in cutting-edge research and development (R&D) with our advanced engineering proficiency to advance the following:

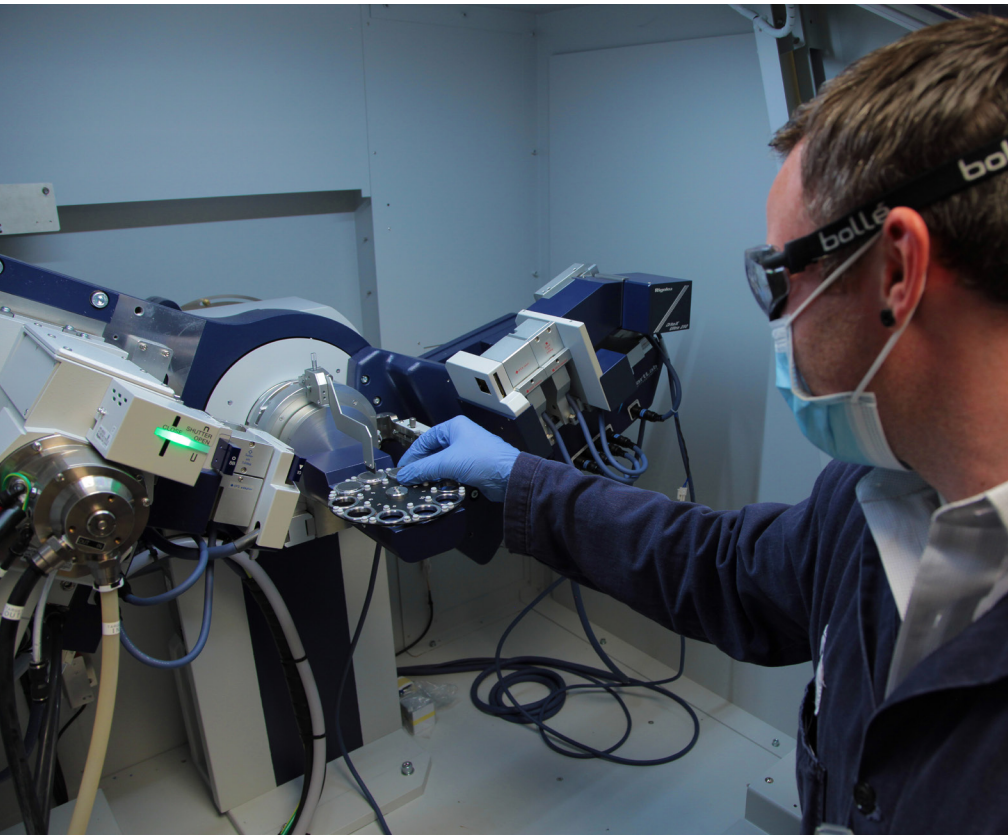
- Safer and more sustainable products and processes;
- Our [LIOVIX®](#) lithium metal product as well as manufacturing and application technologies for use in next-generation anodes—for use in both electrolyte-based LIBs and SSBs;
- Lithium salts for high energy density cathodes and electrolytes; and
- Processes and technologies to support lithium recycling and re-use.



Source: Lilium, [a Livent R&D collaborator](#) and the developer of the first all-electric vertical take-off and landing “eVTOL” jet.







**LIOVIX®**

In November 2021, we announced our proprietary [LIOVIX®](#) lithium metal product, a unique printable formulation of lithium metal and other specialty materials that can improve the performance of Lithium-Ion batteries, reduce manufacturing costs and enable the next generation of battery technology, all while enhancing safety and sustainability.

LIOVIX® can be printed on a battery’s anode during electrode manufacturing in a process called pre-lithiation. This has led to higher-capacity, longer-life batteries. In fact, the application of LIOVIX® has been demonstrated through testing to improve a battery’s output and to extend its useful life with more recharge cycles than conventional batteries.

Beyond improving battery performance, LIOVIX® is expected to enhance the safety and sustainability profile of Lithium-Ion batteries. The safety improvement is largely a result of the properties of its unique printable formulation. Since LIOVIX® delivers lithium in a highly stable, protected form, it reduces the need for stringent environmental conditions and advanced manufacturing process controls.

The immediate sustainability benefits of LIOVIX® are expected to come from providing battery manufacturers with greater control and precision in how much lithium they use in battery cell production. This is expected to help reduce wasted material and costs and allow for high process efficiency (i.e., throughput). LIOVIX® can potentially reduce the use of conflict and rare earth minerals in battery production by opening pathways for increased use of more accessible battery materials like silicone, manganese and even sulfur.

There are several potential cost savings and efficiencies for manufacturers using LIOVIX® that are tied directly to the performance gains in battery capacity and cyclability. These range from needing to include fewer cells in a battery pack to achieve the same output to reducing the number of manufacturer warranty claims because of the battery’s longer useful life. Additionally, LIOVIX® is expected to significantly reduce the need for a cell manufacturing process step called “formation,” which may lower overall costs and free up space on the manufacturing floor. Another unique feature of LIOVIX® is its expected commercial scalability. It is anticipated that LIOVIX® can be incorporated into existing battery manufacturing processes using standard equipment and common industry methods for scaling operations. Each method is designed to fit specific product requirements, and no changes are expected to be required to the electrode manufacturing process. LIOVIX® should also be an important technology for the eventual development and commercialization of solid-state batteries using lithium metal. These next generation batteries will address many of the challenges and limitations of today’s liquid electrolyte-based battery cells.



HIGHLIGHT STORY

LIOVIX® LIFE CYCLE ASSESSMENT

In partnership with Argonne National Laboratory, we completed a Life Cycle Assessment of Livent’s lithium metal product, LIOVIX®, which includes comparing the lifecycle greenhouse gas emissions of Lithium-Ion batteries with and without the use of LIOVIX®. The goal of the study was to further understand the product’s GHG footprint and ultimately develop an informed reduction strategy to further enhance its sustainability performance. The assessment highlighted that the major contributor to LIOVIX® GHG footprint is the energy associated with material use and production processes. Overall, it was found that LIOVIX® treated batteries use less material than conventional Lithium-Ion batteries and, therefore, have a smaller footprint.



# GROWTH OF ELECTRIC VEHICLES & ELECTRIFICATION

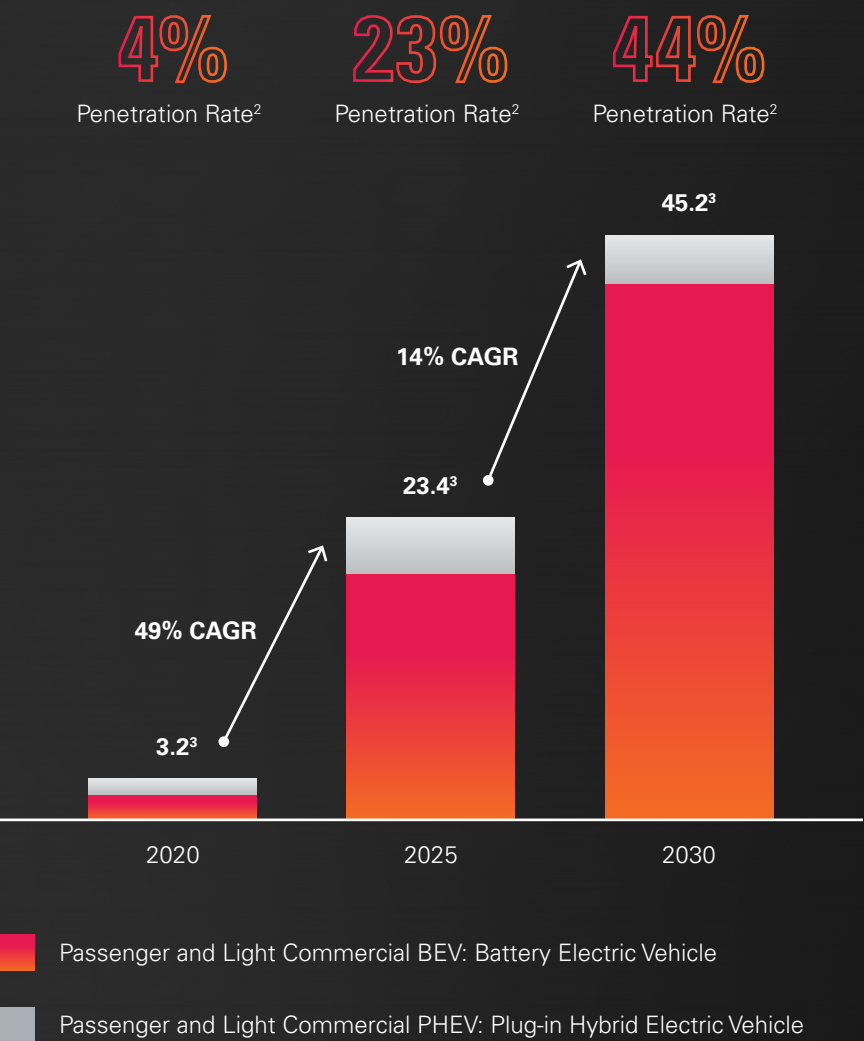
The adoption of electric vehicles (EVs) is critical for governments and auto original equipment manufacturers (OEMs) to meet CO<sub>2</sub> emission reduction targets. Industry analysis shows continuing support for strong EV demand growth in 2022 and beyond.

Governments continue to support EV adoption through various regulatory tools such as subsidies and targets to phase out Internal Combustion Engine (ICE) cars and major auto OEMs have also made commitments to increase production of EVs. Consumer preferences and heightened public awareness are also driving support for EVs in consumer and commercial fleet adoption. Many analysts expect that EV sales will surpass ICEs within the next decade.

In addition to the electrification of transportation, the trend to decarbonize electricity generation has also continued to grow globally. Many of these green power installations, such as solar and wind, use lithium battery-based energy storage systems. Stationary energy battery solutions are also increasingly being used to provide resiliency to power grids running on fossil fuels.

With Livent's proven track record in producing battery-grade lithium compounds, our reputation as a pioneer in lithium innovation and our deep relationships with customers, we are well positioned to contribute to the growth of the EV and broader energy storage industries.

## HISTORICAL EV SALES & PROJECTIONS<sup>1</sup>



1 Source: EV Volumes (March 2022).  
2 Total EV Sales as percentage of Total Passenger Vehicle Sales.  
3 Units in Million Vehicles







02

EXPANSION





# GROWING RESPONSIBLY

The incredibly strong demand for lithium throughout 2021 and into 2022 was led by record-setting demand for electric vehicles (EVs) around the world. The positive trends behind demand for lithium do not stop at EVs. We continue to see increased demand expectations across all energy storage applications, stationary storage and mobile devices.

As the pace of electrification accelerates and the urgent need for decarbonization intensifies, we have seen a heightened customer focus on securing long-term lithium volume commitments from reliable sources. As original equipment manufacturers (OEMs) slowly develop their understanding of lithium supply, Livent’s proven ability to meet battery-grade qualification standards, and deliver on our commitments, positions us as a reliable provider for OEMs looking to secure their long-term base volumes. It is this increased engagement with us by the ultimate consumers of lithium products that underpins our decision to invest in further capacity expansion.

At the same time, we are guided by our conviction that it is imperative—and achievable—to expand lithium production in a sustainable way. At Livent, we believe that efforts to meet the growing demand for lithium must be balanced with considerations for responsible production. We see these as compatible objectives that must be managed together with the appropriate deployment of resources, engineering know-how and stakeholder engagement.

Sustainability will continue to be a top priority for Livent as we approach key implementation milestones in our current expansion projects and advance work on the additions we announced in the first half of 2022.





# EXPANSION PROJECTS

Ensuring the success of our expansion projects is a top priority for Livent over the next several years as we pursue our goals of reaching Lithium Carbonate production capacity in Argentina of 100,000 metric tons by the end of 2030 and at least doubling our production capacity of Lithium Hydroxide to 55,000 metric tons—and potentially up to 90,000 metric tons by the end of 2025 on a 100% ownership basis in Nemaska Lithium Inc. (“Nemaska”).

## Lithium Carbonate

### First Expansion in Argentina

In May 2021, after a temporary pause during the COVID-19 pandemic, we announced that we had resumed our Lithium Carbonate capacity expansion project in Argentina at our Fénix lithium extraction and manufacturing site. This first expansion in Argentina will add 20,000 metric tons of Lithium Carbonate production capacity upon completion in two equal phases of 10,000 metric tons each. Phase 1 of this expansion will see an addition of 10,000 metric tons of Lithium Carbonate production capacity by Q1 2023. Phase 2 will increase capacity by another 10,000 metric tons by the end of 2023, at which time we expect commercial production to begin. Phase 2 will include deployment of a mechanical evaporation unit, a significant step in delivering on our sustainability goal of reducing water use.

### Second Expansion in Argentina


In addition to this first expansion project, in February 2022, we announced that we began engineering for a second Lithium Carbonate expansion project in Argentina. The second expansion will increase our Lithium Carbonate capacity by another 30,000 metric tons by the end of 2025.

A primary focus of the preliminary engineering work for the second expansion in Argentina is how we can expand production capacity within existing infrastructure constraints. For example, we believe we can add the next 30,000 metric tons of Lithium Carbonate production capacity by augmenting our existing Direct Lithium Extraction processes and Lithium Carbonate manufacturing processes with new water re-use/ recycling optimization technologies and without requiring any additional fresh water. Furthermore, the use of these processes will increase lithium yield, eliminate the need to use any pre-concentration ponds to support our Direct Lithium Extraction (DLE) processes and reduce seasonality caused by unexpected weather events.



### Third Expansion in Argentina

In May 2022, we announced that we have begun exploring a third expansion in Argentina, also at the Salar del Hombre Muerto, that would add up to another 30,000 metrics tons of lithium carbonate capacity. This third expansion would repurpose our existing ponds that will no longer be needed for our expanded operations and deploy a more conventional pond evaporation-based process.



100,000

At the end of the third expansion, which we intend to complete by 2030, Livent will have total Lithium Carbonate production capacity in Argentina of 100,000 metric tons.




# Lithium Hydroxide

In 2021, we resumed our Bessemer City expansion project after a brief pause during the COVID-19 pandemic. The expansion will add 5,000 metric tons of Lithium Hydroxide to our production capacity. This expansion is well underway and expected to be complete by Q3/Q4 of 2022. Once completed, we will have global Lithium Hydroxide production capacity of 30,000 metric tons.

In addition, in May 2022, we announced two more Lithium Hydroxide capacity expansions.

First, we expect to add another 15,000 metric tons of Lithium Hydroxide production capacity at a new location in China by the end of 2023.

 Secondly, we are evaluating building a plant in North America or Europe that would process recycled lithium material from batteries into Lithium Hydroxide. We are now exploring multiple partnership and funding opportunities and believe this could be in operation by the end of 2025, with production capacity of at least 10,000 metric tons.

55,000

Once completed, Livent will have total Lithium Hydroxide production capacity of at least 55,000 metric tons, which is more than double current levels.





Port of Becancour, Quebec



Nemaska

In June 2022, Livent doubled its ownership interest in Nemaska Lithium Inc. (“Nemaska”) to 50% through a transaction with The Pallinghurst Group and its investors for their stake in Nemaska. The remaining 50% in Nemaska is held by Investissement Québec, an organization set up by the Government of Québec to promote and support regional investment.

Nemaska is a fully integrated mining and lithium chemical manufacturing development project located in Québec, Canada, with 34,000 metric tons of targeted Lithium Hydroxide annual production capacity. With its access to abundant renewable, zero-carbon hydroelectric energy, easy access to the Port of Becancour and a focus on recycling and waste management, Nemaska is one of the most attractive, sustainable hard rock lithium projects in the world and well-positioned to serve the developing EV battery industry in North America and Europe. Nemaska is nearing the completion of its engineering work and we expect Nemaska to begin lithium chemical production by the end of 2025.





Transparency

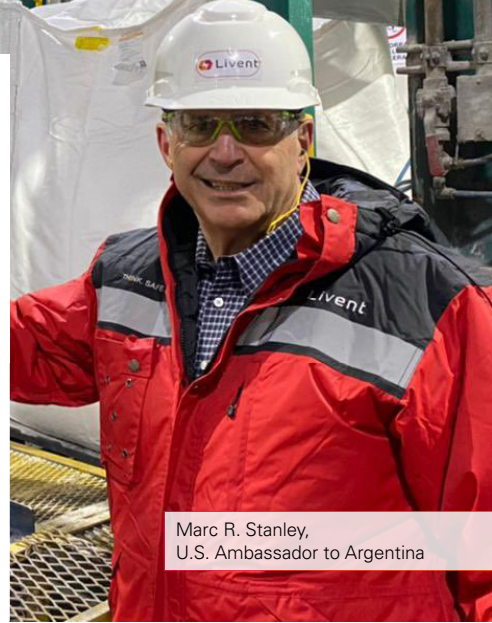
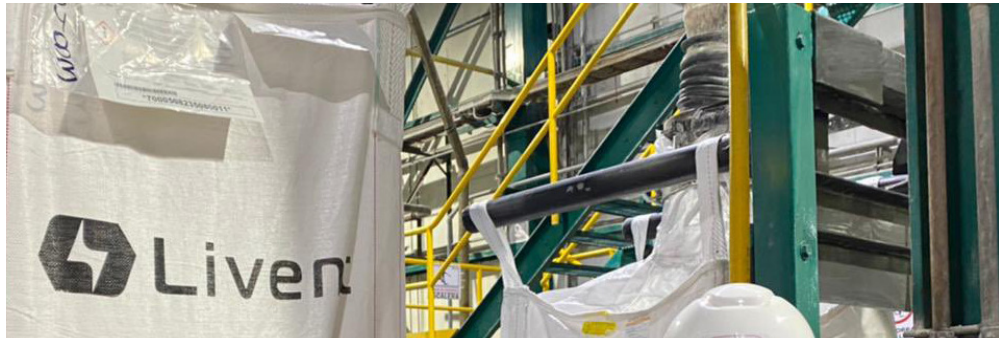
As part of our commitment to doing things the right way, we hold ourselves to the highest standards for transparency with our stakeholders about our current operations, expansion projects and future plans. We actively engage with governments and local community groups, and we regularly welcome third-party auditors, customers and regulators to our manufacturing sites.

Throughout 2021, teams from various customers visited our Bessemer City site in North Carolina to tour the construction progress of our 5,000-metric ton Lithium Hydroxide addition. Additionally, in early 2022, several customer teams toured our current operations and expansion projects at the Salar del Hombre Muerto, Argentina. As part of their visits, many also engaged directly with government leaders and communities in Argentina.

In early 2022, our executives met Argentine President Alberto Fernández and we also hosted tours of our Fénix site for various federal and local government leaders from Argentina. More recently, in early June, we were delighted to host Marc R. Stanley, the U.S. Ambassador to Argentina, at the Fénix site.

I’m really impressed with the operations of the Livent lithium mine, and proud we have U.S. companies engaged in Argentina contributing to a cleaner and better world.

— Marc R. Stanley, U.S. Ambassador to Argentina





03

# OUR SUSTAINABILITY PROGRAM & GOALS





Livent is a member of the United Nations Global Compact (UNGC) and supports the Ten Principles of the UNGC on human rights, labor, environment and anti-corruption.

# OVERVIEW

At Livent, we think about sustainability as responsibly and ethically meeting the societal needs of today without jeopardizing the needs of future generations. We believe that the responsibility to operate in a safe, ethical, socially conscious and sustainable manner is a fundamental obligation of our right to operate—and essential for the viability of our business.

# 2030 & 2040 GOALS

## Progress Towards Our Goals

Last year, Livent announced its long-term Sustainability Goals which guide the execution of Livent’s Environmental, Social and Governance (ESG) strategy and reflect the priorities of Livent’s customers, communities, investors, employees and other stakeholders based on extensive and ongoing dialogue. Collectively, they represent an ambitious and broad agenda that highlights Livent’s commitment to growing responsibility through reduced environmental impact, social responsibility and transparency.

We recognize that achieving many of our goals will not be easy. In response, we have developed an operational framework to achieve our 2030 sustainability targets, including meaningfully reducing operational intensities and transitioning 30% of our energy mix to renewables, as well as achieving overall carbon neutrality by 2040 (Scope 1, 2 and 3).

We believe Livent has the track record and credibility to pursue our sustainability platform while expanding our operations. We acknowledge that our success hinges on our ability to develop innovative solutions, and to accomplish this, set in motion initiatives which will help us drive further improvement and lead the lithium industry forward. To this end, we have set in motion several initiatives which are described in the following table.

## Climate Commitments


As part of our support for the United Nations Climate Change Conference in Glasgow (COP26), we committed to the Race to Zero Initiative, Business Ambition for 1.5 degrees Celsius and the Science Based Target Initiative (SBTi).



TOP 5%

Our cross-functional sustainability teams and employees around the world have helped Livent make significant progress in 2021 across many ESG areas. As a result, for the second consecutive year, we achieved a Gold rating from EcoVadis for sustainability performance, placing Livent in the top 5% of the more than 85,000 companies assessed by EcoVadis around the world.



GOAL		PROGRESS IN 2021	
<div> <b>ENVIRONMENT</b></div>			
Reduce greenhouse gas (GHG) intensity by 30% across Livent operations by 2030.		Developed a framework for achieving Livent’s 2030 and 2040 sustainability environmental goals, including key inputs and a high-level operational plan to reduce intensities, transition to a larger renewable energy mix and achieve overall carbon neutrality by 2040.	
Transition 30% of the company’s energy mix to renewable sources by 2030, beginning the path to 100% renewable energy.		Began work on Scope 3 GHG global inventory with intention to disclose global GHG footprint in future reports.  Continued efforts to further optimize current operations to reduce intensities for GHG, water and waste disposed.	
Achieve overall carbon neutrality by 2040 (Scope 1, 2 and 3).		Initiated projects to explore opportunities to improve mix of renewables and reduce emissions by implementing onsite, offsite and virtual renewable energy solutions.  Commenced work to participate in the <a href="#">Race to Zero Initiative</a> , Business Ambition for 1.5 degrees Celsius and the <a href="#">Science Based Target Initiative</a> (SBTi).  Incorporated sustainability considerations and requirements into planning for expansion projects.	
Reduce water intensity between 10% to 30% across Livent operations by 2030, and continue to lead collaborative efforts for sustainable water use, responsible operations and biodiversity at the Salar del Hombre Muerto and the surrounding area in Argentina.		Continued utilizing a comprehensive approach to monitor and model various parameters to ensure sustainable water use at the Salar del Hombre Muerto, in collaboration with a third-party geology firm and the government of Catamarca.  As part of our expansion projects in Argentina, began engineering work on new water re-use/recycling optimization technologies to reduce water intensities across our current and future operations, and eliminate any additional access to freshwater for our Second Expansion in Argentina.	
Reduce waste disposed intensity by 30% across Livent operations by 2030.		Achieved and evaluating ways to further reduce this level through 2030 and beyond.	
Dedicate the majority of R&D spending to develop or support green technologies, processes and products, by 2022.		Achieved. A highlight of our R&D investments was the launch of our proprietary LIOVIX® lithium metal product in 2021, a unique printable formulation that has the potential to help customers improve performance, safety and sustainability, all while driving down costs.	
Formalize involvement in industry initiatives to advance zero emission transportation and lithium battery recycling, by 2022.		Began discussions and early-stage collaborations to explore opportunities to refine/convert lithium sourced from leading lithium battery recyclers.  Continued membership in ZETA, the Zero Emission Transportation Association, an industry-backed coalition that advocates for 100% of vehicles sold in the United States to be EVs by 2030.	



GOAL		PROGRESS IN 2021	
<div><div><div><div></div><div></div><div></div></div></div><div>SOCIAL RESPONSIBILITY</div></div>			
Continue to focus on enhanced outcomes for lifting up and supporting Livent’s local communities, as measured by community investments (both time and money), local hiring, workforce training and impact assessments, including quality of relationship with Indigenous Peoples.		<p>Enhanced and expanded our already robust Community Relations program in Argentina, including projects financed by the Argentina Infrastructure Trust<sup>1</sup>.</p> <ul style="list-style-type: none"><li>▪ \$429 Thousand: Community Relations (CR) program in Catamarca to support health, nutrition, education, training, quality of life, climate action, local development and employability.</li><li>▪ \$103.8 Million: Capital Spend in Argentina, which supports the national and local economies.</li><li>▪ \$2.8 Million: Argentina Infrastructure Trust<sup>1</sup> to support community infrastructure projects.</li></ul> <p>Supported local communities through donations to support local transportation, access to medical care and supplies, our employee volunteering and mentoring programs and investment of approximately \$53,000 in education scholarships.</p> <p>Created 162 jobs that are aligned with our new Local Employment Policy, which prioritizes generating local employment when hiring contractors.</p> <p>Maintained regular communication with local indigenous populations and added monthly Roundtable Discussions with community and local government stakeholders.</p>	
Continue to improve in all key environmental, health and safety (EHS) metrics, including less than 0.1 Total Recordable Incident Rate (TRIR).		<p>Another strong year for safety across our global operations:</p> <p>0.11 Total Recordable Incident Rate (TRIR) for employees.</p>	
Verify and enforce supplier compliance with Livent’s Supplier Code of Conduct and responsible labor practices, as measured against various KPIs for supplier selection, monitoring and performance, beginning in 2021.		<p>Published our Supplier Sustainability Policy and began the process of rolling it out and tracking supplier ESG performance.</p>	
Maintain focus and progress against the 2030 UN Sustainable Development Goals as a member of the UN Global Compact.		<p>Submitted annual Communication of Progress letters since joining the UN Global Compact in April 2020.</p> <p>Participated in various initiatives led by the United Nations, including the COP26, the 2021 United Nations Climate Change Conference in Glasgow.</p>	
Aspire to a level of talent diversity that reflects the geographies where Livent operates.		<p>Increased year-over-year diversity across key dimensions that are priority areas for our workforce.</p>	


<sup>1</sup> This is the Salar del Hombre Muerto Trust Fund that is more fully described in Livent’s 2021 Form 10-K, Part I, Item 1, Business, Mineral Concession Rights, Water.



GOAL	PROGRESS IN 2021
Maintain compensation structures and processes that promote pay equity.	<p>Redesigned our global compensation system so that structures better reflect our position responsibilities, are better aligned with the external markets where we operate, are scalable as we grow and expand and enable us to retain our valued workforce and attract new talent.</p> <p>During 2021, we completed an independent, rigorous pay equity analysis with a leading third party. For all locations, we review our pay practices by gender, and in the U.S., by gender and race. Analysis results found no overall systemic gender or racial based pay gaps. More details available in the Social Responsibility section of this report.</p>
Cultivate an inclusive and positive work environment for Livent employees.	<p>Engaged our global workforce in key wellness priorities and launched a successful 3-month campaign to raise Mental Health awareness, with the goal of destigmatizing mental health issues and encouraging employees to get help if they need it.</p> <p>Conducted second global employee engagement survey, shared key findings and established global, cross-functional Enterprise Action Planning Team to address feedback and making necessary improvements.</p> <p>Participated in various UN observance days and initiatives, including:</p> <ul style="list-style-type: none"><li>■ International Women’s Day,</li><li>■ The International Day of Tolerance, and</li><li>■ The World Day for Cultural Diversity for Dialogue and Development.</li></ul> <p>Our three Employee Resource Groups (ERGs)—Black Employee Network, Global Women’s Network and LiFT UP—continue to grow their membership and lead activities towards cultivating a more inclusive work environment.</p>





GOAL		PROGRESS IN 2021	
<div> <b>TRANSPARENCY</b></div>			
Continue to publish annual sustainability reports following the requirements of leading reporting frameworks.		Produced this 2021 Sustainability Report, our third annual report as a standalone public company in alignment with GRI, SASB and TCFD, with key ESG metrics and process controls assured by a third-party verification firm.	
Complete ISO-compliant lifecycle assessments (LCAs) for strategic products by 2025.		<p>Completed the second Life Cycle Assessment (LCA) for:</p> <ul style="list-style-type: none"><li>■ Lithium Carbonate</li><li>■ Lithium Hydroxide</li></ul> <p>Began LCA for our LIOVIX® lithium metal product and completed it in mid-2022.</p>	
Maintain and expand global certifications for the leading ISO management systems for quality, environmental health and safety (EHS), social management and energy management.		<p>Attained ISO 14001 (Environmental), ISO 45001 (Occupational Health &amp; Safety) and ISO 9001 (Quality) certifications for all of Livent’s manufacturing sites once again. We also follow the ISO 26000 guidelines for Social Responsibility.</p> <p>Applied for and attained IATF (International Automotive Task Force) 16949 quality certification, the leading quality standard for the automotive industry.</p>	
Conduct periodic third-party assurance of Livent’s sustainability data and data collection methodology, beginning in 2021.		See our 2021 <a href="#">Assurance Statement</a> from ERM CVS. This is the second consecutive year that Livent’s key sustainability metrics and controls have been audited by ERM CVS.	
Participate in academic research studies on the environmental/social impact of operations at the Salar del Hombre Muerto, beginning in 2021.		Continued our collaboration with BMW and BASF in contributing to scientific research being done by leading universities on the geohydrological dynamics of lithium salt lakes and aquifers in South America.	
Engage with leading organizations that are independently verifying and setting the global standards for responsible mining and manufacturing, beginning in 2021.		Began a voluntary third-party assessment using the Standard for Responsible Mining from the Initiative for Responsible Mining Assurance (IRMA). With the commencement of the assessment, Livent is the first company with mining operations in Argentina, and one of the first lithium mining companies in the world, to become a full member of IRMA.	



# MATERIALITY ASSESSMENT & STAKEHOLDER ENGAGEMENT

We strive to understand the unique perspectives of our internal and external stakeholders and their insights into sustainability. We performed a robust Materiality Assessment during 2019 to guide the development of a sustainability strategy unique to Livent's key business risks and opportunities with the help of a third-party sustainability adviser. The materiality matrix highlights Livent's most salient ESG topics that we continue to monitor and manage. Details regarding our approach and impact are discussed throughout this report.

We continually assess our strategy by examining emerging topics, significant trends and engaging internal and external stakeholders in an ongoing dialogue.

Our sustainability program reflects our stakeholder's priorities and Livent's commitment to responsible growth everywhere we do business. Livent's success depends on maintaining strong relationships with our stakeholders that are built upon two-way communications and integration of their input about our business. This report has been organized with a focus on our stakeholder's priorities to provide information on topics of importance to each group. Our key stakeholders include (in alphabetical order):

- Communities

■ Customers

■ Employees
- Governments & Regulatory Authorities

■ Investors

■ Suppliers & Business Partners







# SUSTAINABILITY PROGRAM MANAGEMENT & GOVERNANCE

Together with members of our Executive Leadership Team (ELT), Livent’s Chief Communications Officer and Global Head of Public Affairs lead our global sustainability program and facilitate quarterly meetings of the Livent Sustainability & Climate Readiness Council, with support and active engagement from other leaders and functional teams across the company.

The Sustainability Committee of Livent’s Board of Directors oversees our sustainability program, including both governance and performance of our environmental commitments, health and safety goals, corporate social

All of our executives had sustainability goals, including elements of DE&I, tied to their 2021 performance assessments and compensation. This continues in 2022.

responsibility (CSR), diversity, equity and inclusion (DE&I) priorities, sustainability management systems, audits and assurance of sustainability data and climate change readiness. The Committee meets at least three times a year with our sustainability program leaders to discuss priorities, goals and objectives, progress, and risks and opportunities. Over the course of the year, our sustainability program leaders also presented updates and “deep dive” educational session on relevant topics to the full Board (e.g., sustainable water use, Life Cycle Assessments).

The Compensation and Organization Committee of our Board of Directors assists the Board in its oversight of the development, implementation and effectiveness of our policies and strategies relating to our Human Capital Management (HCM) priorities. In 2021, we provided the Compensation and Organization Committee with semi-annual updates on relevant HCM topics such as talent demographics, career development priorities, engagement metrics and objectives, and our evolving employment practices. This approach provides our Board with continued visibility and transparency, allowing them to make informed decisions impacting our talent objectives, including retention, engagement, talent acquisition and overall company culture.

The Audit Committee of our Board of Directors assists the Board in monitoring risks to Livent and the integrity of Livent’s internal controls, including those related to various aspects of ESG and climate change.

# MANAGEMENT SYSTEMS & FRAMEWORKS

Our Sustainability Report references the Global Reporting Initiative (GRI) Standards, and we have continued the process of aligning with the requirements of the Sustainability Accounting Standards Board (SASB) and the Task Force for Climate-related Financial Disclosures (TCFD). Key ESG metrics and process control for this 2021 Sustainability Report, were once again assured by a third-party verification firm. See the [Assurance Statement](#) from ERM CVS for more information.

Our sustainability program is based on adherence to all applicable laws and regulations as well as leading sustainability management systems and frameworks, including ISO 45001 (Occupational Health & Safety), ISO 14001 (Environment), ISO 26000 (Social), ISO 9001 (Quality) and the UN Sustainable Development Goals (UN SDGs).

We also successfully attained IATF (International Automotive Task Force) 16949 quality certification in early 2022, following audits we had begun in 2021 at our manufacturing and sourcing sites in Argentina, the United States and China. IATF 16949 is one of the leading quality standards for the automotive industry.





# INITIATIVE FOR RESPONSIBLE MINING ASSURANCE

In February 2022, Livent began a voluntary, independent third-party [assessment](#) using the Standard for Responsible Mining from the Initiative for Responsible Mining Assurance, or IRMA. The third-party review followed an extensive self-assessment process that took more than six months to complete. In advancing to the third-party review stage, Livent became the first company with mining operations in Argentina, and one of the first lithium mining companies in the world to become a full member of IRMA.

The IRMA Standard sets out comprehensive and rigorous requirements for mining industries, with a multi-stakeholder approach for defining robust criteria and evaluating performance in environmental management, labor practices, human rights, health and safety and community interests.



# CLIMATE CHANGE RISKS & OPPORTUNITIES

Livent is actively assessing the current and potential risks, opportunities and impacts of climate change.

The potential physical impacts of climate change on our operations are still uncertain and are specific to the geographic circumstances of the areas in which we operate. These may include changes in rainfall, storm patterns and intensities, water shortages, changing sea levels and changing temperatures.

In 2020, Livent began the voluntary process of aligning with the framework established by the Task Force for Climate-Related Financial Disclosures (TCFD) to assess, disclose and plan for the company's risks and opportunities related to climate change.

We have since engaged a third-party consulting firm as our TCFD advisor and are currently working on a phased plan which will include governance, location-specific assessments, scenario analysis, reporting and disclosures and action planning. This process is aligned with our existing Enterprise Risk Management (ERM) processes and will be overseen by the Livent Risk Council (which includes the CEO and several members of the executive team), the Livent Sustainability & Climate Readiness Council, as well as the Audit and Sustainability Committees of our Board of Directors.

We may also face even more stringent customer and regulatory requirements to accelerate the pace of our Greenhouse Gas (GHG) reduction initiatives. At the same time, as a key part of the electric vehicles (EV) and battery supply chain, we provide lithium products that help enable the growth of electric transportation and the shift away from fossil fuels. The growing concerns about climate change and the related increasingly stringent regulations may provide Livent with new or expanded business opportunities.

## Livent's Green Bond Impact

During 2020, Livent allocated all of the net proceeds from its [Green Bond](#) to finance the production of its lithium products for EVs and energy storage applications, powering the transition to a low carbon future. The offering was made in accordance with [Livent's Green Bond Framework](#) which is aligned with the ICMA Green Bond Principles. There were no further updates in 2021.



SPOTLIGHT

PRODUCT STEWARDSHIP

TRADE ASSOCIATIONS

Livent is a proud member of two trade associations that support our product stewardship program:

- As the voice of non-ferrous metals producers and recyclers in Europe, [Eurometaux](#) aims to promote sustainable production by actively contributing to EU policies and regulation.
- The European Metal Alkali Sustainability Group is a technical association comprising five companies in the alkali metals business who work together and in coordination with Departments of Transportation from all over the world, helping to pioneer industry regulations.

PRODUCT STEWARDSHIP

Product stewardship is an essential part of our business and highlights our commitment to integrating sustainability throughout the lifecycle of our products. This year, Livent collaborated with a third-party consulting firm to create a new framework for assessing, refining, and expanding on our existing product stewardship initiatives.

Livent also began the implementation process for a semi-automated Environmental Health and Safety (EHS) and Safety Data Sheets (SDS) technology solution for the creation of SDS and product safety labels. We expect the system to be fully operational by the end of Q3 2022 and act as a single source of data that will make our compliance and regulatory change management processes more robust.

QUALITY

We recognize quality as one of the pillars of our success. We are committed to manufacturing and delivering products and services of the highest possible quality, consistently meeting the requirements of our consumers and all applicable regulations, while protecting the safety of our employees, customers and other stakeholders.

Our quality program is focused on continuously improving the manufacturing processes and quality of our products in order to improve customer satisfaction. All of our manufacturing sites around the world adhere to the ISO 9001 management system and are ISO 9001 certified. Additionally, in early 2022 we attained IATF 16949 certification, the automotive quality standard, at our operations in Argentina and the United States—and at our Lithium Hydroxide sourcing partner in China. This certification helps demonstrate our ongoing commitment to achieving the high quality standards of our automotive customers.

SUSTAINABILITY CULTURE

& INNOVATION

Recognizing that continuous improvement and innovation is a shared responsibility across Livent’s teams, we launched in October 2021 a company-wide Sustainability Innovation Challenge to generate bold new ideas and catalyze our sustainability journey.

Livent team members submitted more than 300 innovative ideas in three main categories—Environmental Impact, Social Responsibility and Governance. We announced category winners on Earth Day (April 22, 2022), along with the Atomic Award for the best “small but high impact” idea.

Category winners will partner with a senior company expert/coach and pitch the Livent Executive Leadership Team (ELT) for funding and implementation support for the Best Overall Idea—and win the Grand Prize. We also intend to operationalize many of the other ideas that were submitted.



One of the world’s leading manufacturers of cathodes and anodes awarded Livent with its 2021 Best Quality Award from a pool of hundreds of suppliers.





# SAFETY

Safety is a core Livent value and is paramount in everything we do. Safety starts with creating a safe and secure workplace for our employees and extends to our customers, suppliers, communities and the environment. Our proactive safety culture goes well beyond what is required by law to identify and address workplace, handling and environmental risks, including through initiatives like:

- Reinforcing our “Safety First” value by beginning every meeting of three or more employees with a Safety Share, a brief discussion about a top-of-mind safety issue
- Distributing a weekly company-wide “Safety, Quality and Reliability” message from our Chief Operations and Engineering Officer and other leaders
- Providing Safe Handling Guides at every step of our processes, from our mining operations in the field to the end users in our manufacturing facilities and anyone else who handles our products, including partners and customers

## Incident Response

All Livent sites utilize a Site Incident Management Plan tailored to its specific location. In the case of an event, a Site Incident Team manages the incident at site level and has a process in place for activating the global Crisis Management Plan for issues that demand additional attention and support. Each plan establishes a framework to prepare for and manage incidents in an organized and effective way. Supporting these systems is our global Environment, Health and Safety (EHS) Incident Reporting Standard. We have also begun drafting a global business continuity plan for additional support.

# ENTERPRISE RISK MANAGEMENT

Livent’s Enterprise Risk Management Policy ensures that we identify and evaluate significant risks in a consistent framework. To facilitate cross-functional communication and alignment in evaluating risks, Livent’s Risk Council comprises the CEO and other members of the Executive

Leadership Team (ELT). The Risk Council is responsible for identifying and categorizing relevant risks, assessing risk exposure and proposing and evaluating risk management strategies. The Risk Council meets at least twice per year with support from the Corporate Audit team.

During Risk Council meetings, participants assemble a Risk Radar that identifies Livent’s enterprise and business risks. To differentiate between enterprise and business level risks, the Risk Council uses criteria that consider the velocity, impact and likelihood of each risk. Action plans are created for each enterprise level risk and a member of our ELT is accountable for the implementation of each plan. A dashboard is created to measure progress and is shared with the Board twice per year.

## INTERNAL AUDIT

Every year Livent’s management team conducts an audit of its internal control processes and corrective actions taken to support organizational resilience. In 2021, Livent’s management team reviewed the results of the assessment with the Audit Committee of its Board and determined Livent internal control processes to be effective.

## Organizational Resilience

Livent recognizes the need to anticipate, respond to and learn from a variety of challenges that may arise in a rapidly changing business landscape. As a global company that enables the production of essential products, we take the necessary steps to ensure business continuity by assessing and managing risks. The COVID-19 pandemic reinforced the need for resilient systems and processes that allow our workplace and value chain to adapt and thrive in uncertain times. Our Enterprise Risk Management system, internal audit and incident response system all work together to ensure organizational resilience at Livent.



Bessemer City Plant Emergency Response Team (PERT)





# 04 ENVIRONMENT

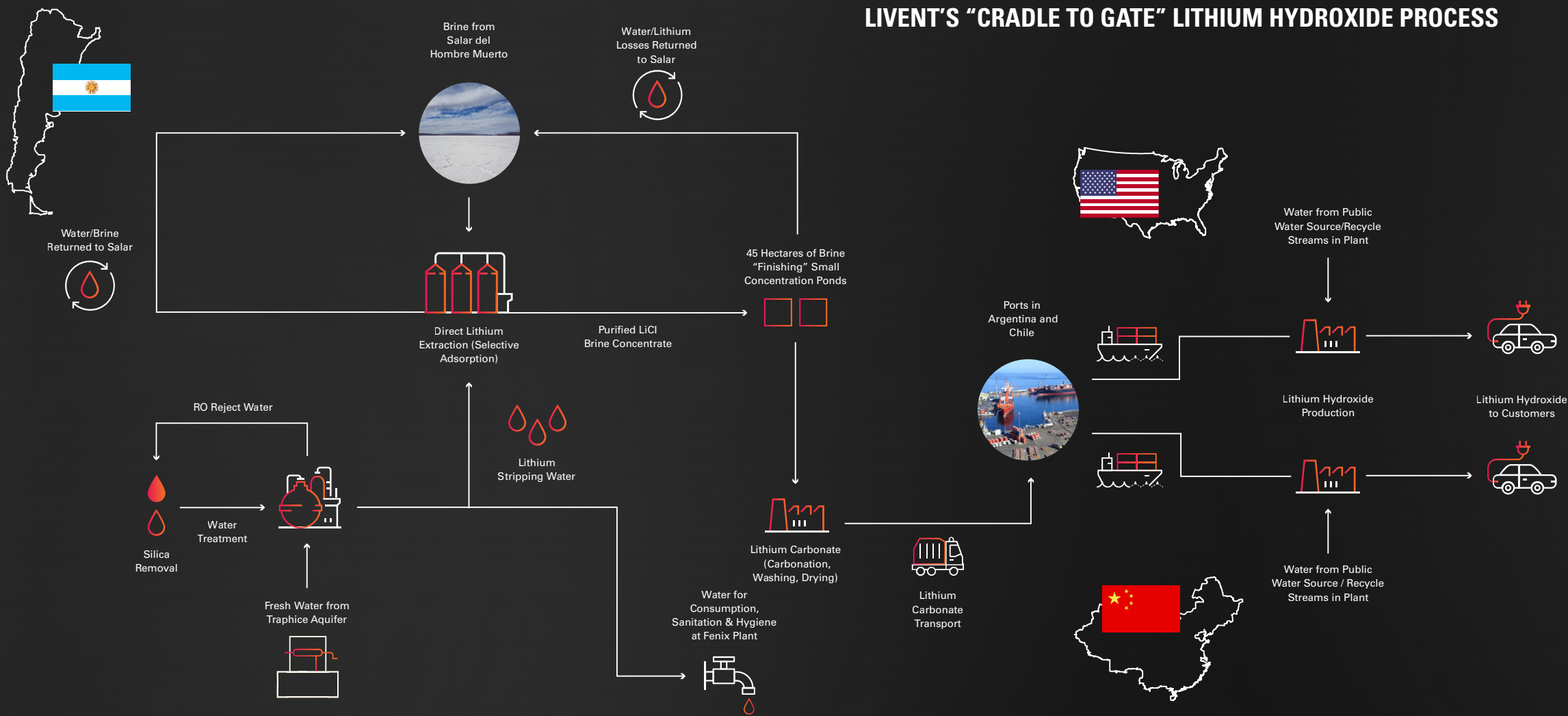


# INTRODUCTION

Responsible stewardship of the environment is an important aspect to who we are as a company and essential to our work. We continually look for ways to improve the efficiency of our operations to conserve natural resources. We also carefully monitor our emissions and waste to protect surrounding communities and the environment. Our sustainability policies, available on our [website](#), set a company-wide standard for managing the environmental impacts of our operations. Livent signed on to the UN's Race to Zero initiative

and SBTi's Business Ambition for 1.5°C campaign, highlighting our commitment to reducing our environmental impact. Livent also introduced an operational framework that supports the achievement of our 2030 sustainability targets, which include meaningful reduction in GHG, water and waste disposed intensities and transition to a 30% renewable energy mix, as well as the company's 2040 goal of achieving overall carbon neutrality.

## LIVENT'S "CRADLE TO GATE" LITHIUM HYDROXIDE PROCESS





## Life Cycle Assessment of Livent’s Lithium Carbonate and Lithium Hydroxide

In 2021, we completed with Minviro a cradle to gate Life Cycle Assessment (LCA) of 1 kilogram (kg) of Livent’s Lithium Carbonate and 1 kg of Livent’s Lithium Hydroxide Monohydrate. This LCA assesses environmental impact from the point of extraction up to shipping. The analysis for Lithium Hydroxide via our U.S. route was based on average of data for 2018, 2019 and 2020 and that of our China route was based on data from 2019. The LCA also includes our first-ever reporting on Scope 3 emission for these two core products.

Based on the LCA completed with Minviro, the table below provides the 2021 Global Warming Potential (GWP) of our Lithium Carbonate and Lithium Hydroxide products, aligned with principles and methods described in ISO 14040 and ISO 14044. GWP is a measure of how much energy the emissions of one metric ton of a gas will absorb over a given period of time, related to the emissions of one metric ton of CO<sub>2</sub>.

The difference in the GWP for our Lithium Hydroxide produced via the China route versus that produced via our U.S. route is largely due to the energy mix we purchase from the municipal energy producer for the Rugao industrial chemical park.



The Bromborough, UK facility provides eight electric vehicle (EV) charging stations for employee and visitor use. Electricity is provided to employees at no cost.

### GLOBAL WARMING POTENTIAL (SCOPE 1, 2 AND 3)

LIVENT PRODUCT	PRIMARY MANUFACTURING ROUTE	GLOBAL WARMING POTENTIAL
Lithium Carbonate	Argentina (Fénix)	7.4 kg CO <sub>2</sub> e / kg of Lithium Carbonate
Lithium Hydroxide	Argentina to Bessemer City, U.S.	10.4 kg CO <sub>2</sub> e / kg of Lithium Hydroxide Monohydrate <sup>1</sup>
Lithium Hydroxide	Argentina to Rugao, China	13.3 kg CO <sub>2</sub> e / kg of Lithium Hydroxide Monohydrate <sup>2</sup>

1 GWP based on Life Cycle Assessment study completed by Minviro, March 28, 2022 using an average of 2018, 2019, 2020 reported data. The GWP does not include carbon offsets, I-RECs, or other reduction instruments. The 3rd party review of the LCA was completed in May 2022.

2 GWP based on Life Cycle Assessment study completed by Minviro, March 28, 2022 using 2019 data based on lithium from Livent’s brine resource in Argentina. The GWP does not include carbon offsets, I-RECs, or other reduction instruments. The 3rd party review of the LCA was completed in May 2022.





# RESPONSIBLE WATER USE

Livent recognizes how critical clean water is to human and ecosystem health. We consider access to clean water a fundamental right. We maintain a commitment to adhere to all regulations regarding water use and procure the appropriate water permits to support our operations.

Responsible water management is important at all our facilities, but it is particularly important to our operations in Argentina. While the Salar del Hombre Muerto is in an arid area at high altitude, it is in a self-contained water basin fed by an expansive watershed. Approximately 210 million cubic meters of fresh water flows into the basin every year from higher elevations in the Andes Mountains and, to a lesser degree, direct precipitation in the immediate area. The same amount of water leaves the basin annually through evaporation and plant transpiration, achieving a natural equilibrium at the Salar. Livent operations touch less than 2% of the water that flows into the basin.

Our current production in Argentina utilizes water from the Trapiche aquifer. We employ a comprehensive approach to manage and record parameters such as water flows, chemical transport and salinity to ensure we use water resources sustainably. We work with third-party experts to conduct modeling of both the freshwater aquifer and the Salar to ensure that we draw brine and water at rates that maintain the natural equilibrium of the Salar.

In our more than 25 years operating at the Salar, the Salar has not experienced a decrease in brine or water levels. Our processes return a significant portion of brine back to the Salar, at the same pH and free from any contaminants or solvents. Our processes also do not alter the natural evaporation in the Salar basin, minimizing our overall impact on the local ecosystem. The government of Catamarca has also conducted extensive environmental reviews of our water use and expansion projects with the help of independent third parties, and we continue to work closely with our third-party geology firm to optimize sustainable and

responsible water use. Our planned first expansion will be supported by a secondary water source (the Los Patos River), reducing reliance on the Trapiche aquifer. Monitoring wells on both sources are already in place to track water levels, recharge rate and water chemistry.

Our second expansion in Argentina will not require access to any additional water sources. A primary focus of the preliminary engineering work for the second expansion in Argentina is how we can expand production capacity within existing infrastructure constraints. For example, we believe we can add the next 30,000 metric tons of Lithium Carbonate production capacity by augmenting our existing Direct Lithium Extraction processes and Lithium Carbonate manufacturing processes with new water re-use/recycling optimization technologies. Furthermore, the use of these processes will increase lithium yield, eliminate the need to use any pre-concentration ponds and reduce seasonality caused by unexpected weather events.

Our third expansion in Argentina, also at the Salar del Hombre Muerto, would add up to another 30,000 metrics tons of Lithium Carbonate capacity. This third expansion would repurpose our existing ponds that will no longer be needed for our first and second expansion projects. The third expansion will deploy a more conventional pond evaporation-based process and, as with the second expansion, will not require access to any additional fresh water.



SPOTLIGHT

## WATER STUDY

Livent continues to actively participate in a geohydrological water study assessing the impact of lithium mining on local water resources and the surrounding ecosystems, led by the University of Alaska Anchorage and the University of Massachusetts Amherst and sponsored by BMW and BASF. The study aims to improve scientific understanding of the relationship between fresh water and lithium brine aquifers, evaluate different technologies and processes and provide greater insights into sustainable lithium mining.



# LAND USE

Livent’s proprietary Direct Lithium Extraction (DLE) process, also known as Selective Adsorption (SA), allows us to extract lithium from brine by taking in freshwater as a stripping agent to separate lithium from brine. Our SA technology reduces the need for large evaporation ponds commonly used by conventional brine-based lithium producers, which have a large land footprint.

While Livent currently has some large preconcentration ponds, they are significantly smaller than those of other leading lithium producers, and are used primarily to raise level lithium concentrations before running brine through our proprietary Direct Lithium Extraction (DLE) technology processes. After our second expansion in Argentina, we will no longer use preconcentration ponds for DLE. Instead, we intend to repurpose our existing ponds to produce additional lithium using conventional solar evaporation methods in the third phase of expansion.



# BIODIVERSITY

As part of our commitment to environmental stewardship, we work to minimize the impact our operations have on surrounding biodiversity at all Livent sites.

Our Fénix production facility is located approximately 2.5 miles (4,200 meters) above sea level and requires a unique approach to biodiversity management. To protect this Andean mountain ecosystem that is home to diverse flora and fauna adapted to extreme environmental conditions, we regularly commission third-party specialists to monitor the variety and abundance of local plant and animal species, watershed properties and limnology.

Our 2017 study found that plant species variety and abundance were consistent with previous years and the number of animal species had increased compared to a 2009 baseline, including nine additional bird species. A 2021 study identified 23 additional plant species, and in a more recent study from January 2022, 30 additional plant species were identified. The increase in species is most likely due to the seasonal changes, as individual plant species become easier to identify as they bloom. The 2022 report also noted the presence of halophytic plant species, which are plants that have adapted to living in areas with high soil salinity, and a number of additional animal species, including 20 different birds, 7 mammals, 1 reptile, and 1 amphibian.

At our Bessemer City site in North Carolina, our man-made 22-acre equalization pond has created a thriving habitat for an abundant array of wildlife on the grounds of our 900-acre manufacturing facility. Whitetail deer, wild turkey, osprey, barred owl, coyotes and beaver live alongside several species of fish, including carp, catfish, bass, pike and bream. Our employees use the walking trails to the pond for exercise and relaxation and have reported seeing waterfowl such as gray heron, egret, cormorant king fisher, hooded merganser, ruddy duck and killdeer, as well as seasonal migratory species of waterfowl.





HIGHLIGHT STORY

BENEFICIAL REUSE

For more than 10 years, we have sent a portion of a byproduct from our Bessemer City manufacturing facility to a cement producer in the Carolinas for beneficial reuse. In 2021, Livent shipped 12,870 metric tons of its Calcium Carbonate, also known as filter cake, to the cement company. Livent’s filter cakes are used as a raw material in the production of cement and are a direct substitute for the limestone (Calcium Carbonate) that is mined onsite at the cement facility. Unlike limestone, however, Livent’s filter cake does not require any mining or extra processing. For the cement producer, this results in energy savings and conserves raw materials, with significant environmental benefits.

OPERATIONAL IMPACTS & EXPANSION

As part of our sustainability efforts, we actively monitor and manage the intensity of Livent’s energy use, greenhouse gas (GHG) emissions, water use and waste disposed at all of our manufacturing facilities around the world. As we continue to grow responsibly, we have focused on increasing production capacity while setting initiatives that will reduce our environmental impacts and resource consumption in the long term.



At our Zhangjiagang plant, variable frequency controllers were installed on cooling water recirculation pumps. This modification led to a 30% reduction in power consumption.



Sustainability is a major consideration in all of our expansion investments and planning. Although our expansion-related activities are contributing to increases in the intensity of certain environmental impacts and our total resource consumption, and are likely continue to do so over the short to mid-term, we are working in parallel to make progress on our site-specific reduction programs and company-wide initiatives to achieve our 2030 and 2040 goals. In 2021, our energy intensity increased 11.20% from our new 2019 baseline, on a per product tonne basis, due to expansion activities.

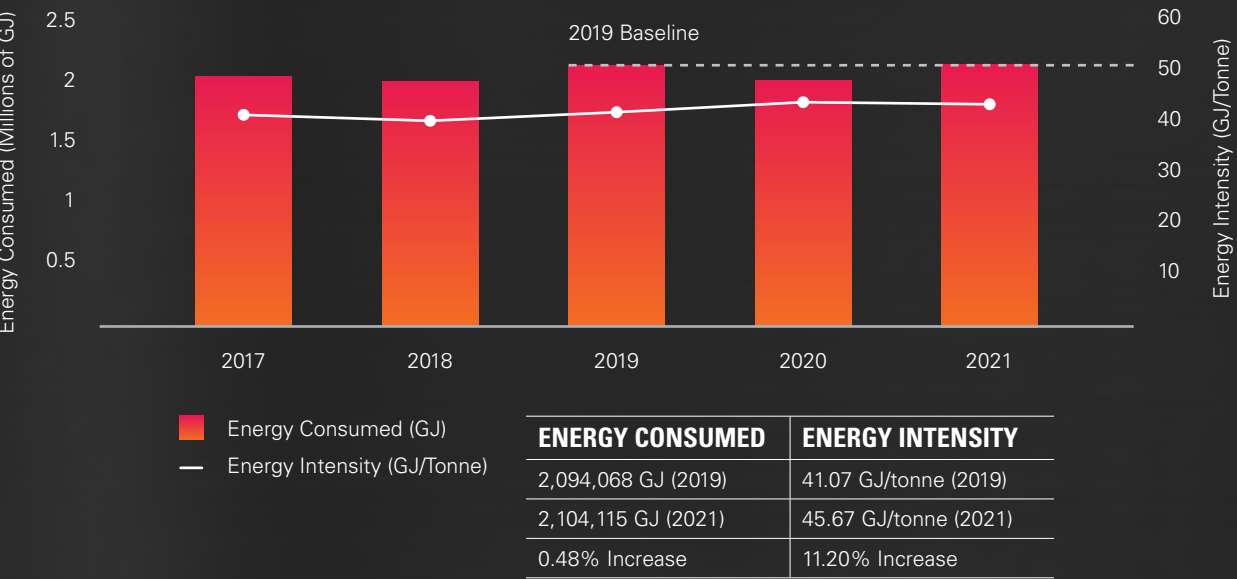
GHG intensity largely tracks together with energy intensity, and our GHG intensity in 2021 increased by 0.07% from the 2019 baseline, also due to expansion activities.

Our waste disposed intensity decreased significantly in 2021, with a 41.98% decrease against the 2019 baseline. This reduction is largely reflective of our efforts to reduce Lithium Hydroxide waste streams at our Bessemer City site and lower than normal rainfall at Bessemer City, resulting in less runoff water disposal.

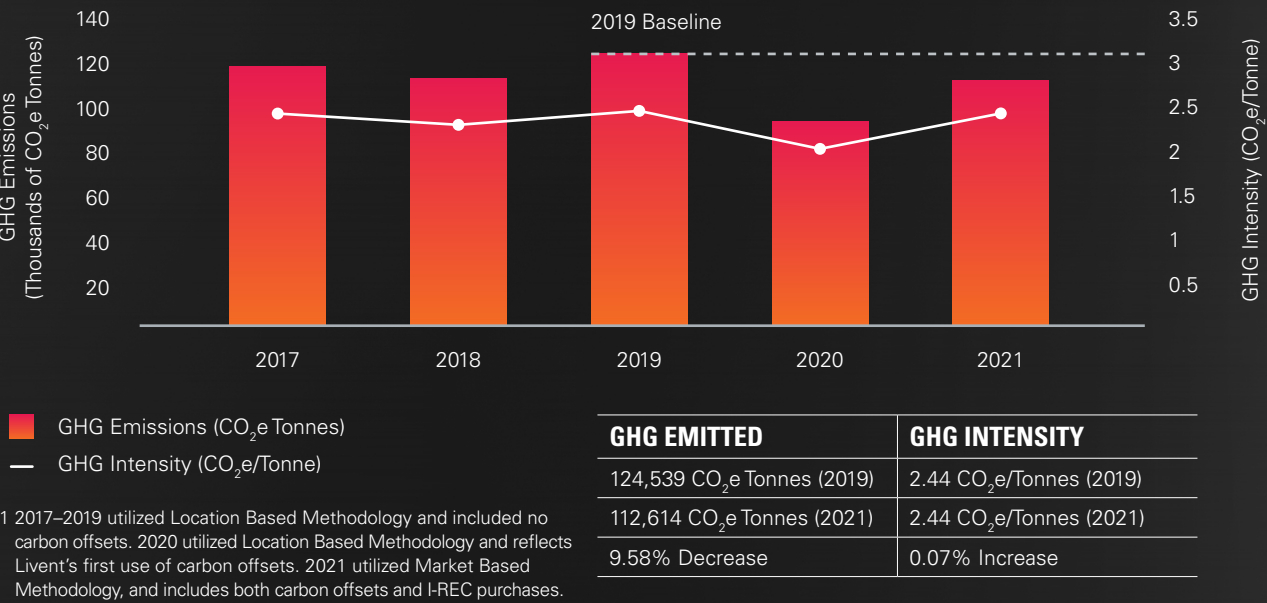
Lastly, water intensity in 2021 was up 11.54% against the 2019 baseline, due to expansion activities and non-production uses of water (e.g., water for drinking and hygiene for our onsite construction teams).



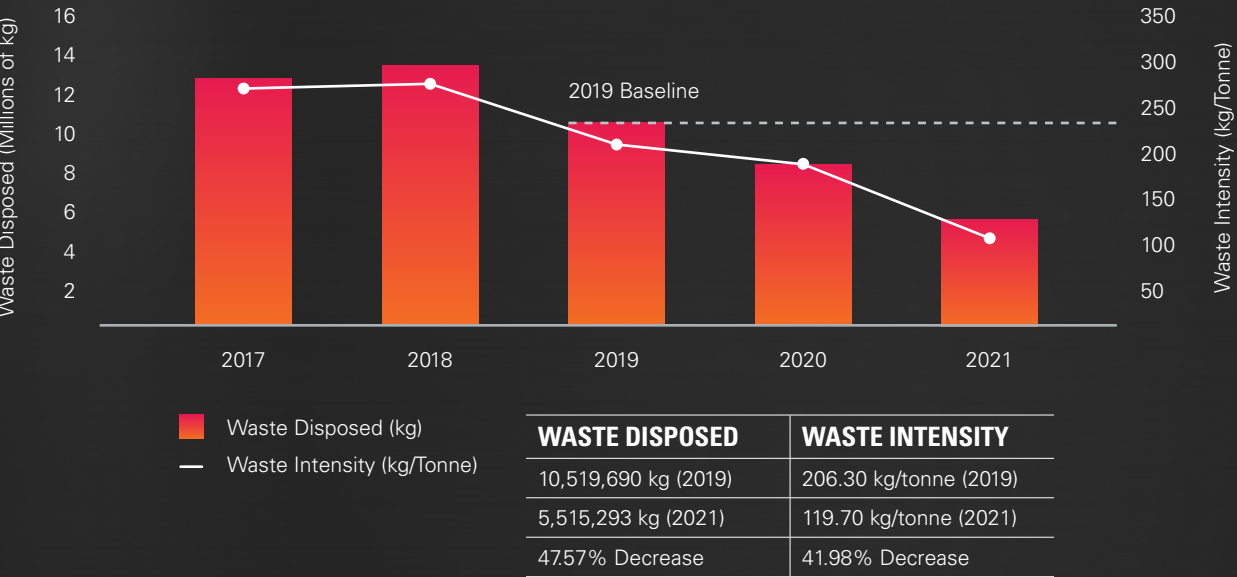
ENERGY CONSUMED & ENERGY INTENSITY



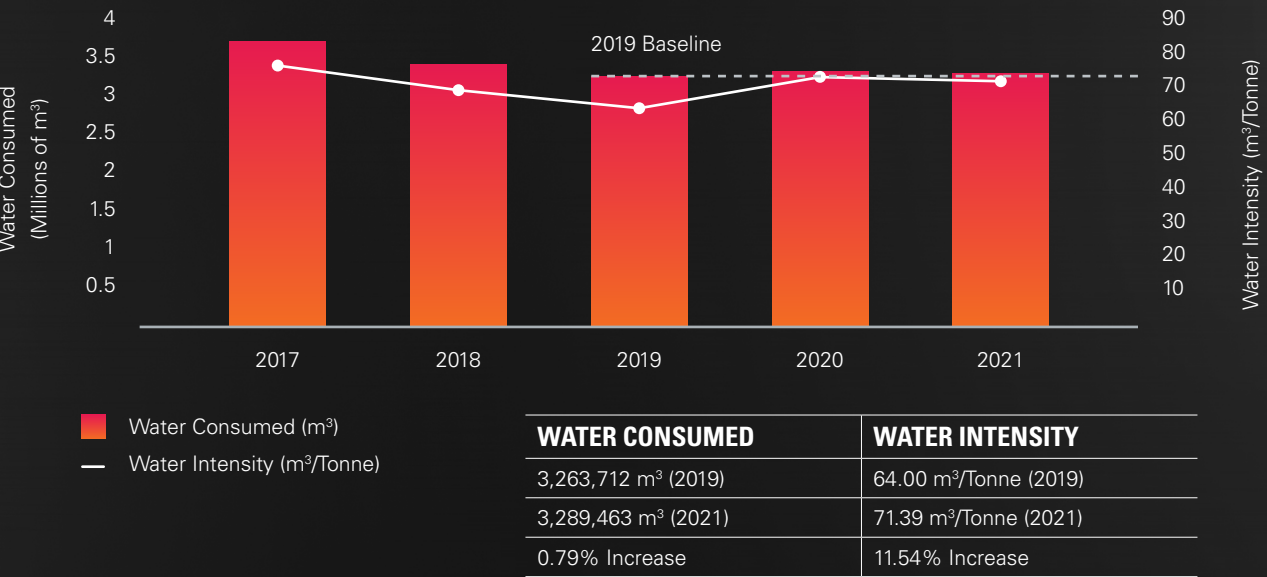
NET GHG EMITTED & NET GHG INTENSITY<sup>1</sup>



WASTE DISPOSED & WASTE INTENSITY



WATER CONSUMED & WATER INTENSITY







05

# SOCIAL RESPONSIBILITY

"La Puna" Entrepreneurs Program trains local entrepreneurs on starting and managing a business.





# OVERVIEW

Livent integrates social responsibility into all our policies and practices using the ISO 26000 framework as a guide. We focus on many issues as part of social responsibility, including occupational health and safety; employee wellbeing; workplace environment; fair and ethical labor and operating practices; employee engagement and development; diversity, equity and inclusion (DE&I); human rights (including the rights of Indigenous Peoples); responsible sourcing; and community involvement and development.

# OCCUPATIONAL HEALTH & SAFETY

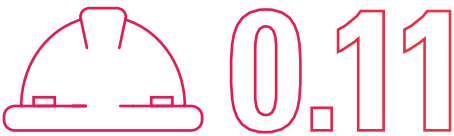
Safety is a Livent core value. It is a hallmark of our culture and paramount in our actions. Product stewardship extends our safety commitment across the full life cycle of our products, to our customers and the communities in which we operate. To promote safe practices, we provide Safe Handling Guides at all steps of our processes, from extraction to end user. Our Safe Handling Guides can be found on our [website](#).

We believe we are all responsible for one another's safety and our proactive safety culture promotes shared responsibility through shared learning. We begin every meeting of three or more employees with a

Safety Share and in addition, we publish a weekly "Safety, Quality and Reliability" global message to remind employees to prioritize safe behaviors in their personal and professional lives. A 2021 highlight of this weekly series was a multi-month campaign featuring "What Safety Means to Me" testimonial videos from employees across Livent.

We continuously improve our safety practices to achieve our goals. Livent's global environmental, health and safety (EHS) policy applies to all our facilities and our EHS teams regularly review all our facilities' health and safety data to assess trends, carefully review near misses and implement corrective actions. Additionally, our global head of EHS oversees the integration and performance of our EHS management system.

Our contractors also play a critical role in continuing the operations of our business and ensuring our safety values. Last year, we had a total of two recordable injuries/illnesses worldwide and zero fatalities for contractors.



- Achieved another strong year for safety in 2021: globally, we had one recordable injury among employees and zero fatalities
- Total Recordable Incident Rate (TRIR) of 0.11 for employees
- All of our manufacturing sites are ISO 14001 and ISO 45001 certified and we maintain the required registrations for our products globally

# COVID-19

As we continued to navigate the COVID-19 pandemic throughout 2021, we followed our global Crisis Management Plan and maintained our Global Pandemic Response Team, regional COVID-19 Response Teams and a Vaccine Subcommittee. Our regional COVID-19 Response Teams continued to keep Executive Leadership informed of local matters such as government policies and regulations, and the Vaccine Subcommittee was tasked with monitoring vaccine developments and encouraging our employees to be vaccinated.

Given the essential nature of our products, we prioritized safely continuing our operations while providing support and flexibility to accommodate individual needs and circumstances of onsite employees. Among these steps, we offered flexibility in employees' schedules to accommodate personal obligations, such as helping children at home learning remotely or caring for sick relatives. Our onsite safety measures and comprehensive site-by-site protection measures included providing appropriate personal protective equipment (PPE), visitor and medical screenings, temperature checks, essential person designations, split shifts, mask-wearing, social distancing and following recommended health protocols.

During 2021, we were also challenged to consider remote working opportunities to protect and support our employees during the pandemic. Non-manufacturing employees in many of our global locations continued to work remotely for most of 2021 as we considered a safe transition plan for in-person working. Our regional COVID-19 Response Teams continued to keep Executive Leadership informed of local matters such as government policies and regulations, and the Vaccine Subcommittee was tasked with monitoring vaccine developments, instituting policies related to vaccination protocols and vaccine effectiveness education campaigns.



## Employee Mental Health & Well-Being

We believe that mental health is just as important as physical health. Reflecting this view, mental health and overall well-being were a major focus of our health & safety programs in 2021. As we continued to navigate the global pandemic, we consulted with Livent managers and senior leaders to understand what meaningful steps we could take to best support employee mental well-being. In May 2021, we launched a three-month campaign to raise awareness of mental health issues. During the campaign we distributed Wellness Wednesday messages on various mental health topics relevant to our employees and their families. We also held a global town hall with a panel of mental health professionals from the regions in which we operate. Each regional team also held local events to address mental health topics that were specific to their populations. We continue to offer access to mental health resources globally to every employee through an Employee Assistance Program (EAP).

## Process Safety Management

As a chemicals manufacturer, our operations are subject to various risks, including those related to discharge or release of hazardous materials. Process safety management is therefore an integral part of our daily operations. Our commitment to process safety management is reflected in our strong safety performance, which included only one Loss of Primary Containment Category 2 incident in 2021, worldwide, and zero transportation incidents.



## EMPLOYEE EXPERIENCE, ENGAGEMENT & DEVELOPMENT

Our employees are instrumental to achieving our commitments and driving the future of our company. We know how critical it is to hire, retain, develop and engage talent across the company.

We anticipate significant growth in our workforce as we scale up our lithium production capacity to meet growing customer demand. In preparation, we developed strategies to attract new talent as well as invest in current talent, while improving the diversity profile of our workforce. Our voluntary turnover rate for 2021 was 10.2%, a decrease from 2020.

## Understanding Employee Sentiment

In 2021, we engaged an external consulting firm to conduct a global employee engagement survey as a follow-up to our internally-conducted 2020 survey. The 2021 survey aimed to provide a better understanding of employee satisfaction and feelings about working at Livent.

The survey had a 64% participation rate, with most participants rating Livent highly in the areas of Teamwork, Work Environment, Beliefs and Attitudes and Empowerment. The survey also sought employee feedback on how we can create a more diverse and inclusive culture. We are now using the survey results as part of an enterprise action planning process to develop and implement strategies to continue to make Livent a great place to work.

We plan to continue our surveys in the future and use insights to understand both our strengths and areas of development as a company to make further improvements around employee engagement, satisfaction and motivation and enhance the Livent culture.



## Talent Development & Training Programs

Investing in the professional development of our employees and individuals living in the local communities through various training programs is essential to building talent pipelines for our growing business.

To invest in the professional development of our employees, we follow a Goal Setting process that aligns individual and company goals and allows employees to reflect on their skill sets and professional development over the year. As part of this process, Livent has identified six new core competencies for our employees:

- **Driving Results:** Delivering outcomes and improving the way things are done
- **Strategic/Broad Thinking:** Understands wider context (market, operations) and determines next steps or future direction
- **Leading Change:** Motivating people; aligning teams and/or the organization around change
- **Leading People:** Engages, focuses and empowers others around common goal
- **Collaborating & Influencing:** Inviting and sharing information; facilitating and building strong partnerships
- **Developing Capability:** Building self, individuals, teams or organizations for the long-term

With the continuation of our expansion projects, we broadened our succession planning strategy in 2021 to incorporate top manufacturing jobs. Continuous learning and development (“L&D”) opportunities are a key component in successfully carrying out our succession plan, and throughout 2022, Livent’s leaders will continue to implement our L&D strategy and support the annual succession planning review process with our Board. The main objectives of the succession planning review process are to identify emerging talent and prioritize the training and development resources needed to support them.

At our Philadelphia headquarters, we offer a 6-month Co-op program in partnership with Drexel University where students combine classroom learning with practical experience in their area of study. After graduation, many of these students continue with full-time internship positions in Livent’s Engineering Development Program (EDP) for manufacturing and professional career opportunities. The EDP is a 12–18-month formal training program for developing engineers. The top EDP participants are offered full-time engineering positions with Livent.

We are also committed to increasing the employability of local and Indigenous resident populations in Argentina through our “emerging talent” apprenticeships. In 2021, we hired 34 temporary and full-time employees across all three programs, of whom 24% were female.

## Livent Learning Committees

Building a culture of continuous learning and professional development is only possible through the many ongoing opportunities we provide our employees to engage in new topics and develop skills. In 2021, we held eight sessions on topics such as sustainability, data analytics and lithium market updates. We also maintain a global Learning Center intranet site with resources to support continuous learning and improvement.

In October 2021, we hired a new Head of Global Learning & Development to develop and implement strategies to support employee skill development, with specific priorities around leadership and manager development, hybrid and remote employee engagement and identifying learning and professional development opportunities for our manufacturing workforce.

## Employee Recognition Portal

Responding to feedback from employees in the 2020 employment engagement survey, Livent created a new online portal to support our Go the Extra Mile (GEM) recognition program and service anniversary awards. The new portal provides managers and employees with easily accessible ways to receive recognition and awards, recognize colleagues for their achievements and celebrate important milestones.





## Compensation & Benefits

At Livent, our Compensation Philosophy is to continually strive to meet the needs of our employees, shareholders and customers. We achieve this through competitive rewards, fair policies and intentional practices that position the company as an employer of choice in every market where we compete for talent. Our goal is to deliver total compensation that is competitive with the external market, internally equitable and enables us to attract, motivate and retain key talent.

In 2021, we reviewed our global compensation system to develop an integrated global framework that is better aligned with Livent’s Compensation Philosophy and specific to Livent’s organizational needs and design. The new structure is made up of fewer levels and a wider range of pay opportunity within each level. This structure moves away from hierarchy-based promotions to allow employees to develop broader skillsets and reward them for achieving a diversity of experiences over time. The more streamlined and market competitive structure also provides clear definitions of levels that help to ensure internal equity is maintained and provides global consistency with local flexibility. Global alignment will also facilitate mobility, succession planning, analytics and other business functions. The updated compensation structure continues to be made up of base salaries, short and long-term incentive structures and individual and business performance-based incentives. We also offer relocation incentives to attract talent from broader markets for a more diverse talent pool.

There have not been any significant changes to our benefits programs in 2021. We continue to offer benefits programs that vary by region and employment classification. A summary of our benefits offered can be found in our [2021 Form 10-K](#).

In the United States, we offer a competitive 401K plan for employee contributions, employer matching and an annual automatic company contribution per pay period. All company contributions are fully vested immediately.



In 2021 we completed a rigorous pay equity analysis with a leading third party to determine if there was any bias in compensation linked to gender or race/ethnicity. Results from the statistical analysis, consistent with methods used by the US Department of Labor and Equal Employment Opportunity Commission, did not reveal any overall systemic gender or racial based pay gaps in terms of base pay and total cash. We consistently review pay actions to ensure we maintain pay equity across the organization.

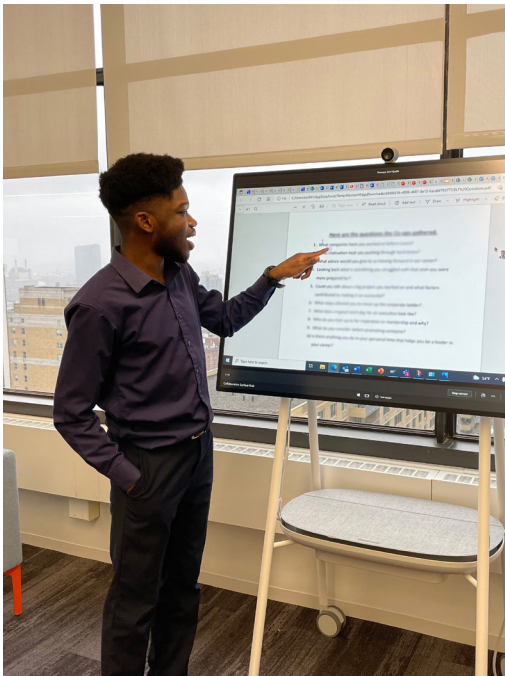
## Conversations With Senior Management

At quarterly town hall meetings, our entire workforce has the opportunity to directly ask questions and take part in transparent discussions with our CEO and executives. Additionally, local town hall meetings offer opportunities for employees to engage with senior leadership on important issues specific to their facilities.

## Earth Day

Livent celebrated Earth Day 2021 throughout our organization under the theme of “Restore Our Earth.” Leading up to Earth Day, we provided resources on environmental regeneration and individual practices that can drive change. As a complement to our standard Safety Shares, we incorporated Sustainability Shares at the beginning of every meeting on Earth Day to raise awareness about environmental issues and potential solutions that are important to our people.

Employees were also encouraged to make personal pledges to one environmentally conscious behavior and share photos of their pledges and their Earth Day celebrations with their global colleagues. In addition to our company-wide initiatives, individual locations also held their own Earth Day celebrations centered on issues and projects that are meaningful to them.





# DIVERSITY, EQUITY & INCLUSION

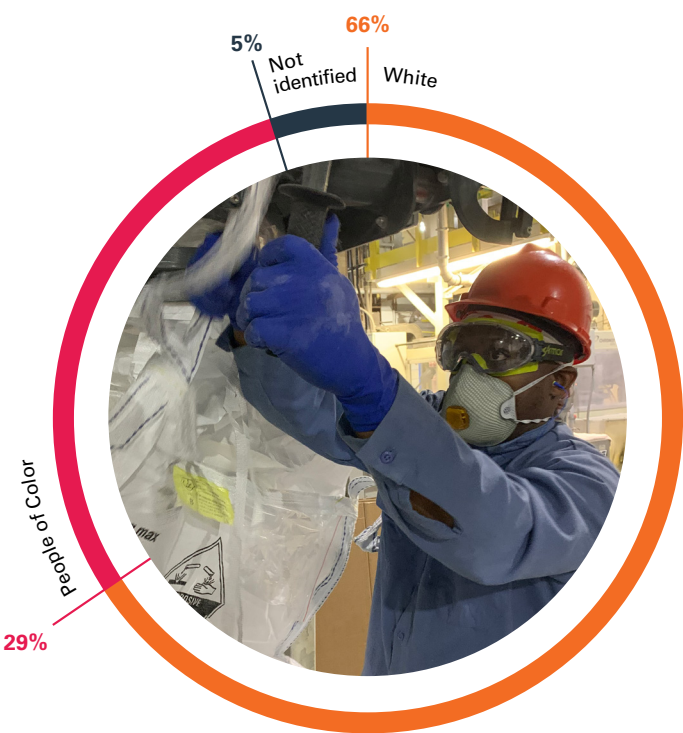
At Livent, everyone shares responsibility to build an organization based on acceptance, respect and belonging as well as fairness and equal opportunity. We drive accountability to reflect our core value to Celebrate Differences in all aspects of our culture, people, operations, customers and relationships. This diversity, equity and inclusion (DE&I) mission reflects the company's commitment to social progress. It is supported by our DE&I strategic pillars of Awareness, Engagement, Accountability and Monitoring, and our three long-term DE&I goals:

- 1. Aspire to a level of diversity among our talent that reflects the geographies where Livent operates;
- 2. Maintain compensation structures and processes that promote pay equity; and,
- 3. Cultivate an inclusive and positive work environment for Livent employees.

These goals are reflected throughout Livent's teams and our commitments to develop a diverse and inclusive workforce. Annual DE&I goals are also tied to executive performance evaluation and compensation.

All of our DE&I initiatives are underpinned by our knowledge that diverse teams drive better business performance. Studies are clear that companies with greater diversity are more innovative, more resilient and better able to respond to complex challenges.

Throughout 2021, we made significant efforts to improve our human capital management processes as we focused on building and developing our workforce. We worked to improve both our internal talent development programs and our external talent acquisition processes to reach our goals of balancing Livent's gender and racial workforce composition.



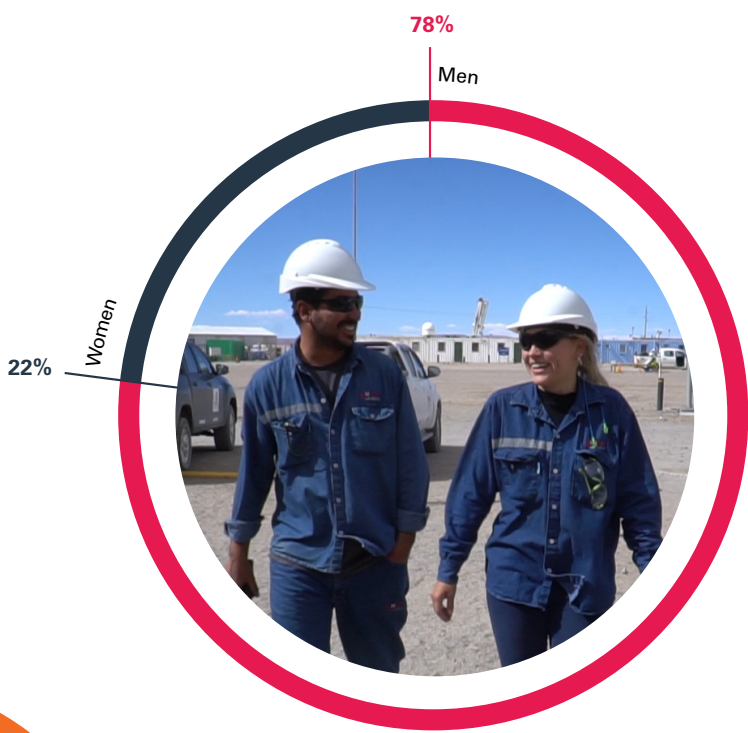
RACIAL DIVERSITY - U.S.<sup>1</sup>

<sup>1</sup> Based on voluntary disclosure



LOCATIONS - GLOBAL

## Employee Diversity



GENDER - GLOBAL



We are proud of our continuous efforts to build a more diverse and inclusive workplace. Notable promotions in 2021 and early 2022 advanced our leadership gender diversity, including the appointment of our first female regional Sales Director and our first female Plant Manager globally (at our Zhangjiagang manufacturing facility).

All employees worldwide completed “Respect in the Workplace” DE&I training. In Argentina, we went further by piloting an even more comprehensive DE&I training. This project aimed to provide a space for reflection, discussion and training for DE&I-related topics; identify unconscious biases and stereotypes impacting behaviors and decisions; influence managers to remain committed to and involved with DE&I issues; and create a space to promote the development of inclusive leadership. The Argentina pilot project will serve as the foundation for us to develop a more robust global DE&I training program.



DE&I Committee

Livent’s diversity, equity and inclusion efforts are overseen by our internal DE&I Committee, which is chaired by the Chief Human Resources Officer. In 2021, we expanded our DE&I Committee to more fully represent our global workforce with the addition of a senior member from our Operations/EHS team and our head of Talent Acquisition and Workforce Planning.

In 2021, many members of our DE&I Committee completed the “DE&I: Building Competency Program” offered by the Fox School of Business at Temple University.







Colleagues strike the #BreakTheBias pose for International Women's Day 2022, led by the Livent Global Women's Network.

## Employee Resource Groups (ERGs)

Livent has three Employee Resource Groups (ERGs) overseen by our DE&I Committee: Black Employee Network (BEN), Global Women's Network (GWN) and LiFT UP, to engage employees and strengthen our DE&I and corporate social responsibility (CSR) initiatives. Livent's executive leaders support the ERGs as executive sponsors and coaches. ERG leaders also engage with the Livent DE&I committee, as well as external resources, to deliver DE&I programming and training within the company.

### Black Employee Network (BEN)

BEN is Livent's first ERG. BEN's mission is to provide a safe space for the Black community and work to ensure Livent is inclusive at all professional levels. BEN also works with the DE&I Steering Committee to raise awareness and education around issues in the Black community, provide support and retain talent with the Black population of Livent. In 2021, BEN held joint monthly meetings with BEN members and allies to address and raise awareness around relevant topics impacting our work and local communities.

### Global Women's Network (GWN)

GWN aims to support Livent as an inclusive place to work for women. Through its global network, GWN helps to create opportunities for professional growth, development and visibility for women; and provides a forum for women to engage with each other on a global level and build camaraderie. Some of the 2021 programming initiatives from GWN include:

- International Women's Day global town hall
- Fireside chat exploring topics relevant to women in the workplace (North America)
- "Listen to Understand" (US, UK and Argentina)
- First-ever Asia-wide virtual lunch with the participation of 29 members
- External training events

### LiFT UP

LiFT UP is an ERG for employees who have a shared interest in professional development. LiFT UP provides programming, resources and a network of peers and mentors to support all Livent employees in their professional development goals. Programming initiatives in 2021 included:

- Impactful Communications Workshop
- Fireside chats exploring the career paths of Livent's leaders
- Leading Diverse Teams Master Class

### Mentoring Program

In March 2021, we launched a global mentoring program to support the work of our ERGs and to help employees benefit from the knowledge and career experience of their coworkers throughout the company. Through this program, colleagues engage with mentors to learn from each other's experiences and professional interests and strengthen their support networks across the company.



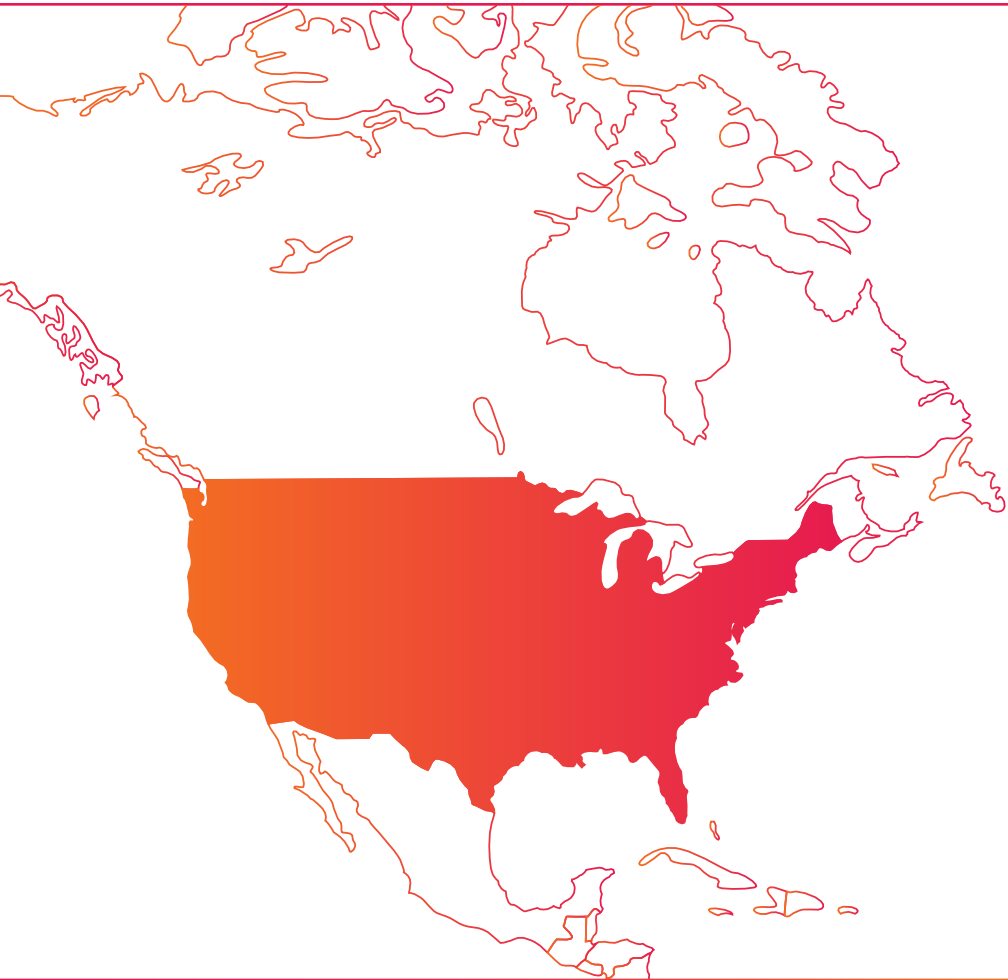
# COMMUNITY INVOLVEMENT & DEVELOPMENT

At Livent, we believe that to do well, our communities must do well. We aim to lift up, protect and advance human rights around the world—and make a positive impact in our local communities, especially our communities in Argentina. We bring this commitment alive through the Corporate Social Responsibility (CSR) initiatives of our Sustainability Program. We engage with our communities around the world through a variety of initiatives, including philanthropy, employee volunteerism, infrastructure development and local capacity building.

Globally, each Livent location is empowered to lead community engagement activities based on employee understanding of local needs. With support from company leadership, employees collaborate to select local organizations to support with philanthropic contributions and volunteer efforts. Community engagement activities across Livent focus on promoting safety, STEM (science, technology, engineering and mathematics) education, health and nutrition and poverty alleviation.







We have a long-standing relationship with United Way. In 2021, we launched a fundraising campaign to continue to support the local communities where we operate in the United States. We are proud to report that we exceeded our fundraiser goal, with significantly higher employee participation than in previous years.

## Some of Our CSR Initiatives Around the World (Outside Argentina)

### United States

- United Way fundraising campaign to support communities in Philadelphia and North Carolina, exceeding our 2021 campaign target and setting a new Livent record
- Onsite COVID-19 Vaccination Clinic for the community at Livent’s Bessemer City site
- Snack drive, furniture donation & wish list donations to support the Boys & Girls Club of Bessemer City
- Donations of test preparation books to James Love Elementary School
- Donation of books to Free Library of Philadelphia
- School supplies donation to Liguori Academy, a non-profit high school committed to serving the Philadelphia community
- Fundraiser to support the Humane Society of Charlotte Animal Resource Center
- Fundraisers to support the Cleveland County Hospice in North Carolina
- Volunteering with the Charlotte Rescue Mission to support its Thanksgiving Food Box Drive
- Habitat for Humanity volunteering
- Donations to the Kings Mountain YMCA
- Salvation Army “Winter Toy Drive”
- STEM and nutritional support for schools in Gaston County, North Carolina
- Bit of Hope Ranch 5k sponsorship & donations
- American Pit Bull Foundation “Rescue Me” 5k
- Second Harvest Food Bank of Metrolina Fundraiser

### United Kingdom

- Fundraising for cancer research, including the “Glow Green Night Walk” to raise funds for the Clatterbridge Cancer Charity
- Fundraising to support the Douglas Bader Foundation’s mission to help people with limb loss and other disabilities
- Volunteering with Independent Age, an organization that supports senior citizens.







China

- Community Safety Leadership Program with neighboring chemical companies
- Employee volunteerism to support local COVID-19 testing and vaccination efforts
- Delivery of food and supplies to employees and their families during COVID-19 lockdowns



Singapore

- Lunar New Year “Share the Abundance” donation drive
- Deepavali Festival drive
- Boys’ Brigade’s “Share-A-Gift” program

India

- World Environment Day
- National Safety Week activities, including safety posters created by employee’s children
- Medical supplies donation to Telangana state’s largest COVID-19 treatment facility, TIMS Donation of groceries to a local orphanage near the Livent Patancheru site







Global

- Earth Day celebrations
- International Women’s Day global town hall
- UN International Day of Charity, where employees spoke about the charitable causes they individually support
- Guidance on how to support humanitarian relief for the people of Ukraine
- UN International Day of Tolerance virtual town halls, where employees discussed cultural traditions and spoke about their backgrounds in small group breakout rooms
- UNWorld Day for Cultural Diversity for Dialogue and Development observance, where employees around the world shared stories, photos, videos, music and recipes on our intranet to celebrate their culture—and the company provided discussion guides to facilitate conversations regarding cultural differences

Many of Livent’s relationships with local non-profit and charitable organizations are long-standing, spanning multiple decades in some cases.





Community Investment in Argentina<sup>1</sup>

\$429 Thousand

Community Relations (CR) program spend in Catamarca to support health, nutrition, education, training, quality of life, climate action, local development and employability

\$103.8 Million

Capital spend in Argentina, which supports the national and local economies

\$2.8 Million

Argentina Infrastructure Trust<sup>2</sup> spend to support community infrastructure projects



1 All amounts are presented in US\$  
2 This is Salar del Hombre Muerto Trust Fund that is more fully described in Livent's 2021 Form 10-K, Part I, Item 1, Business, Mineral Concession Rights, Water.

COMMUNITY RELATIONS PROGRAM IN ARGENTINA

In 2021, our robust and comprehensive Community Relations program in Argentina carried out several programs and activities to advance the well-being and development of the communities near our operational sites in the provinces of Catamarca and Salta. The program is organized into three pillars:

1) Local Development & Employment

- “La Puna” Entrepreneurs Program
- Agro-Livestock Sustainable Development Program
- Local Hiring & Training
- Supplier Community Engagement

2) Quality of Life

- Good Neighbors Program
- Health & Nutrition programs
- Donations
- Education Scholarships
- Community Dialogue Roundtable Meetings

3) Environmental Action

- Environmental & Climate Education
- Recycling
- Ecosystem Protection & Revitalization

Across each of these pillars we have maintained our Livent Volunteering program where our employees work with local stakeholders, including residents, entrepreneurs and institutions, to support community activities.

LOCAL DEVELOPMENT & EMPLOYMENT

With the restart of our expansion projects in 2021, we were able to expand our efforts to support local job development in Argentina. A key step in this process was a meeting with local suppliers to review Livent’s purchasing and hiring policies, which are designed to encourage local hiring and investment by our suppliers.

 162

In 2021, we created 162 jobs aligned with our new Local Employment Policy, which prioritizes generating local employment when hiring contractors.

“La Puna” Entrepreneurs Program

Our La Puna Entrepreneurs Program trains local entrepreneurs on starting and managing a business. Entrepreneurs in the program learn how to develop a business plan and enhance new opportunities in the commercial, tourism, cultural and mining sectors. In December 2021, after completing several training modules in the Program, participants presented their projects in a closing competition where three winners across different categories were awarded seed money and other prizes.



## Agro-Livestock Sustainable Development Program

We continue to sponsor the Agro-Livestock Sustainable Development Program coordinated by the Eco-Conciencia Foundation which supports the sustainable development of the Puna Catamarqueña region by providing training and technical assistance to producers, ranchers and farmers of Antofagasta de la Sierra. Program activities in 2021 included monitoring of various agro-livestock-programs that were in progress, including greenhouse improvements, irrigation systems, animal health-medicine cabinets; mechanized wool shearing training; and delivery of potato seeds, beans and garlic for farmers. New programs for 2021 included supporting additional animal enclosures and wool shearing centers as well as training on accounting and collective work agreements.

## Local Hiring & Training

We support our communities in Argentina by employing local workers, providing job training and sponsoring university scholarships for Catamarcan residents. We are proud to directly employ at our Fénix facilities more than 133 residents from the Catamarca province, of which 50 are from Antofagasta de la Sierra (Fénix immediate influence zone) and indirectly through our vendors, over 1,102 residents from the Catamarca province, out of which 112 are from Antofagasta de la Sierra. Examples of the job training we offer include assistant operator for mining processes and mining processes techniques.

### Antofagasta de la Sierra Apprenticeship Contracts Program (CAAS)

In December 2021, we launched the CAAS Program which aims to provide young adults in the Antofagasta area with practical work experience. Participants complete a 6-month working term at our operating plant in the Salar del Hombre Muerto. We also work in partnership with the Puentes Association to provide additional support and create a valuable experience for both participants and Livent. Upon completion, the 25 participants in the inaugural class have the opportunity to join Livent or one of our contractors as employees.

## Supplier Community Engagement

Our Community Commitment program aims to involve Livent’s local contractors and suppliers as partners in supporting the local communities in Argentina. In 2021, we worked with several local suppliers to make and deliver donations to towns and villages in Catamarca, including children’s toys, sporting equipment, food and fuel for medical visits. We also collaborated with our local partners to deliver training throughout different communities.





# QUALITY OF LIFE

Livent’s Quality of Life programs focus on projects that support health, nutrition, education, donations and support for community engagement and dialogue—all based on local needs and context.

## Good Neighbors Program

Our Good Neighbors Program offers assistance to the small number of Indigenous Peoples who live near our Fénix operations at the Salar del Hombre Muerto. Given that the Salar is a vast, remote area, we periodically check in with our neighbors to make sure they are doing well. We also help them maintain their housing infrastructure and donate food, hygiene kits and other essential supplies.

## Health & Nutrition

In 2021, a team at Livent made weekly health visits to several towns in Catamarca and coordinated visits from health personnel to support community health and COVID-19 vaccination plans. To increase access to medical services, we provided community members with access to an ambulance and an airplane to transfer residents affected by COVID-19 and other medical conditions to hospitals. Additional activities to support community health included the donation of medical supplies to hospitals including oxygen cylinders, blood pressure monitors and masks.

To support nutrition, we contributed monthly food donations and supplies to 4 canteens in nearby communities and to 78 individual community members including the elderly and pregnant women. We also supported the re-opening and maintenance of a canteen in Peñón.

## Education Scholarships

As part of our focus on supporting local education, we launched our Student Scholarship Program in 2021. This program provides 6-month scholarships to university and technical trade students including

economic and motivational support. In addition, qualifying scholarship recipients participate in Social Project and Personal Finance workshops delivered in collaboration with the Puentes Association and Banco Galicia.

In 2021, our scholarship programs had a total annual investment of approximately \$50,000 and supported 46 students across all three programs.

## Community Dialogue Roundtable Meetings

In March 2021, we began a series of community dialogue roundtable meetings to establish a formal cadence of two-way communications with local community members, including Indigenous Peoples. These bimonthly meetings are facilitated by EcoConciencia Foundation, a UN-affiliated NGO, and enable dialogue between Livent and the local communities to ensure transparency in our relationship. The community leaders participating include the mayor, mining minister and leaders of Indigenous groups. Livent’s team includes our representatives and the communications team. The meetings are hosted in locations accessible to the local community and allow participants to voice any concerns and request additional support. In 2021, we held a total of five roundtable meetings.

In this way, Livent is able to align our goals with those of the community and work together for the benefit of all.



HIGHLIGHT STORY

## CENTRAL AMERICAN YOUTH MINERALOGICAL CLUB

As part of our educational initiatives, Livent’s employees in Argentina led a presentation about lithium at the Central American Youth Mineralogical Club. The club is sponsored by Women in Mining Central America and aims to help youth learn about different minerals, where they are found and their applications in daily life. Children of Livent employees in Argentina were also invited to participate.





# ENVIRONMENTAL ACTION

As part of the Environmental Action pillar, we focus on Environmental and Climate Education, Recycling and Ecosystem Protection & Revitalization.

For Environmental Education, we deliver workshops throughout schools in the local communities to raise awareness about caring for the environment through practical activities like recycling.

We also made significant strides in 2021 for Ecosystem Protection & Revitalization. Working with the Eco-Conciencia Foundation, we continued to make progress on installing a permanent irrigation system to reactivate the Trapiche River floodplain, a project which could take until 2025. As part of the soil revegetation process, we are carefully monitoring the health of transplanted plant species and evaluating the success of restored vegetation.

Another highlight was the collaboration agreement we established in Q3 2021 with the Municipality of Güemes and the National Agricultural Technology Institute (INTA) for the creation of a new urban park near our Güemes facility. The park will benefit the entire community and serve as a green belt between residential/agricultural areas and the industrial center of Güemes.



# ARGENTINA INFRASTRUCTURE TRUST

In October 2015, we established the Salar del Hombre Muerto Trust Fund (“the Argentina Infrastructure Trust”<sup>1</sup>) in partnership with the Province of Catamarca, Argentina. A portion of the revenue from our operations in Argentina go to the Argentina Infrastructure Trust to fund infrastructure projects for the community in Catamarca. A committee of representatives appointed by local government officials from Catamarca and Livent manages the Argentina Infrastructure Trust. In 2021, the Argentina Infrastructure Trust funded the construction of two bridges to connect the community of Antofagasta de la Sierra to the main highway, where due to the heavy seasonal rains, people from Antofagasta de la Sierra were isolated from the rest of Catamarca Province. By enabling the development of infrastructure, we have helped contribute to connecting people and promoting the economic development of Catamarca by hiring local contractors for projects.

<sup>1</sup> This is more fully described in Livent’s 2021 Form 10-K, Part I, Item 1, Business, Mineral Concession Rights, Water.





# VOLUNTEERING

Among many volunteering activities in 2021, Livent employees in Argentina worked with the Municipality of Antofagasta de la Sierra and local producers to repurpose wooden pallets into nine productive animal enclosures for the community.

Twenty-five Livent employees also participated in supporting students from our scholarship programs by volunteering as tutors.

# INDIGENOUS PEOPLES

The Salar del Hombre Muerto is located in a remote area, with a small population of Indigenous People residing near our Fénix facility. We consider them our neighbors. We remain in close communication with this community by making daily visits to the residents and frequently provide food and essential supplies and medical care.

Through our Corporate Social Responsibility program, we engage with stakeholders including governments, customers, communities and universities to promote collaboration and transparency in the work we do.

The Sustainability Committee of Livent’s Board of Directors oversees our engagement with local communities and Indigenous Peoples and many of Livent’s key leaders directly engage with the local Indigenous communities. We are committed to building a genuine relationship of trust, respect and mutual partnership with our neighbors and will continue to facilitate regular engagement and incorporate local perspectives into our operations.

# HUMAN RIGHTS

At Livent, we believe that the protection and advancement of human rights is non-negotiable and a core element of business sustainability.

Our [Human Rights Policy](#) aims to embed the responsibility of respecting human rights throughout our global operations, build increased trust with our external stakeholders and demonstrate good international business practices. The policy is guided by the Universal Declaration on Human Rights, the United Nations Global Compact Principles and the International Labor Organization’s (ILO) Declaration

on Fundamental Principles and Rights at Work. The policy includes, but is not limited to, Livent’s stance on non-discrimination; child, forced or bonded labor; freedom to associate or collectively bargain; worker health and safety expectations; working conditions, including hours; fair wages and compensation; migrant worker protections; and protections against harsh or inhuman treatment or harassment. Livent is dedicated to ensuring responsible business practices in all facets of our business. The scope of our Human Rights Policy includes our employees, suppliers and contractors.

To promote human rights awareness, we held global celebrations recognizing several United Nations days of observance, including International Women’s Day, the International Day of Tolerance and the World Day for Cultural Diversity for Dialogue and Development.

In late 2021 and into 2022, we also began the process of delivering Human Rights training to various global functions and personnel at Livent, including our cross-functional sustainability team, Communications and Public Affairs, Human Resources and Procurement / Supply Chain.



Inauguration of road bridges in Catamarca funded by the Argentina Infrastructure Trust



# MODERN SLAVERY

Pursuant to the UK Modern Slavery Act, we publish an annual [Modern Slavery and Human Trafficking Statement](#) which details our efforts and initiatives to ensure that slavery and human trafficking are absent from our business and supply chain.

These initiatives include supply chain mapping, high-level risk screening and mandatory training on modern slavery issues for all UK and global personnel involved in supply chain, procurement and personnel decisions for our UK operations.

# RESPONSIBLE SOURCING

Our suppliers are integral to our ability to manufacture high quality products for our customers in a safe, ethical, socially conscious and sustainable manner. Upholding accountability and transparency in our procurement processes is therefore critical to achieving our sustainability commitments. Our sourcing practices are also important to our customers as they are increasingly requiring more holistic information throughout their own supply chains.

In October 2021, we implemented our Supplier Sustainability Policy as part of our Supplier Sustainability Program. Livent is committed to sourcing materials and services from companies who are aligned with our ESG commitments, and this policy helps us identify companies who share our commitment to acting ethically and honestly to advance responsible and sustainable practices in all aspects of our business.

The [Supplier Sustainability Policy](#) is guided by our sustainability program and goals. The policy is applicable to all of Livent's suppliers including our manufacturers and suppliers of information and services such as research, delivery, consulting and software and design. The policy details Livent's expectations for supplier business conduct in the areas of environmental responsibility, social responsibility and governance.

Underpinning our Supplier Sustainability Policy is our Supplier Code of Conduct which requires suppliers and contractors to adhere to our standards for ethical and legal requirements, human dignity and labor and environmental, health and safety performance in the work they do with Livent and in their own operations. We also expect our suppliers to take reasonable measures to ensure that their own suppliers, contractors and subcontractors act in accordance with this Supplier Code and we request explicit approval of subcontractors.

All suppliers undergo a pre-qualification evaluation of their willingness and ability to meet Livent's requirements. We look at key areas such as human rights, safety, environment, conflict minerals and sustainability initiatives and contracts and terms and conditions require suppliers to abide by our Supplier Code of Conduct. We also provide annual Supplier Selection and Approval Process training to employees in Livent's Global Procurement Group.

Our stringent Supplier Selection program, along with our quality and compliance processes, allows us to mitigate the risk of bad actors and counterfeit raw materials in our supply chain.

**We use a leading electronic screening and compliance tool for daily monitoring of potential human rights violations and other risk factors across our global supply chain and with our business partners, including customers.**

As part of our Supplier Performance Management Program, Livent is dedicated to monitoring and supporting suppliers in meeting our expectations. Suppliers perform a self-assessment every other year to establish baselines and identify any major ESG gaps, and our procurement team periodically reviews suppliers to ensure compliance with our Supplier Code of Conduct. Suppliers are also encouraged to pursue third-party accreditation and are requested to provide EcoVadis scorecards, or equivalents, if available.





Our [Conflict Minerals Policy](#) details our commitment to preventing the use of materials containing tin, tantalum, tungsten and gold (3TGs) that directly or indirectly finance or benefit armed groups in the Democratic Republic of the Congo (DRC) or in adjoining countries. We closely monitor the materials used in the manufacture of our products, including the presence of any 3TGs and require all suppliers to commit to avoiding conflict minerals and, if necessary, to source 3TGs only.

We are also committed to complying with the U.S. Customs Trade Partnership Against Terrorism which is a voluntary government-business initiative to build cooperative relationships that strengthen overall supply chain and border security.

Through our rigorous Quality Assurance processes, we inspect and test our products and the materials used in their manufacturing. All employees are required to take mandatory Code of Conduct training. Consistent with Livent's Ethics & Compliance program and the ISO 26000 framework, employees in Procurement/Supply Chain and key manufacturing roles are required to take additional training on Supplier Sustainability, Product Safety, Ethics & Compliance and Human Rights. In addition, we have implemented various Quality Assurance processes and systems to screen for contaminants/impurities in raw materials and end-products.

**In 2021, our Bessemer City facility and Global Procurement Team developed a supplier scorecard for our direct material suppliers as part of our IATF 16949 quality certification. The scorecard tracks supplier rating and performance on various aspects including ESG. Our scorecard was identified by IATF auditors as a best practice, and we are continuously working to improve this practice and incorporate it at our other sites.**





06

# CORPORATE GOVERNANCE





# GOVERNANCE STRUCTURE

We established our corporate governance structure to meet the needs of our stakeholders and foster a strong sense of ethics and accountability throughout the company. Our Board of Directors is actively engaged with our senior leadership team to set the culture and direction of Livent.

Our nine-member Board of Directors includes our Chief Executive Officer and eight independent directors, as of March 2022. Headed by a non-executive Chairman, our Board membership is comprised of a diverse group of individuals with varying backgrounds, skills and expertise, and we review these traits when selecting new members. The Board has five committees including audit, compensation and organization, nominating and corporate governance, executive and sustainability. More information on our committees can be found on our Investor Relations [website](#).



As of March 2022, eight members of the Board of Directors are independent based on NYSE rules.

# LIVENT BOARD OF DIRECTORS

<div><b>PIERRE R. BRONDEAU</b> <i>Compensation Committee, Sustainability Committee, Executive Committee (Chair)</i>  Chairman of the Board of Livent. Current Chairman of the Board of Directors of FMC as a non-employee Director and member of the Board of Directors of TE Connectivity.</div>	<div><b>MICHAEL F. BARRY</b> <i>Audit Committee (Chair), Compensation Committee</i>  Former Chief Executive Officer and President of Quaker Chemical Corporation d/b/a Quaker Houghton, and Chairman of the Board of Quaker.</div>	<div><b>G. PETER D'ALOIA</b> <i>Audit Committee, Compensation Committee (Chair), Executive Committee</i>  Former Managing Director and member of the Board of Directors of Ascend Performance Materials Holdings, Inc. Current member of the Board of Directors of Wabco, Inc.</div>
<div><b>PAUL W. GRAVES</b> <i>Executive Committee</i>  President, Chief Executive Officer and Director of Livent. Currently serves on the Board of Directors of Nemaska Lithium, Inc. Formerly served as Executive Vice President and Chief Financial Officer of FMC.</div>	<div><b>CHRISTINA LAMPE-ÖNNERUD</b> <i>Audit Committee, Nominating and Corporate Governance Committee</i>  Founder, Chairperson and Chief Executive Officer of Cadenza Innovation, Inc. Currently serves on the board of the New York Battery and Energy Storage Technology Consortium.</div>	<div><b>PABLO MARCET</b> <i>Compensation Committee, Sustainability Committee</i>  Founder and President, Geo Logic S.A. Currently serves on the Board of Directors of St. George's College.</div>
<div><b>STEVEN T. MERKT</b> <i>Audit Committee, Nominating and Corporate Governance Committee (Chair)</i>  President of the Transportation Solutions segment at TE Connectivity Ltd. Current member of the Board of Directors of the Isonoma Foundation.</div>	<div><b>ROBERT C. PALLASH</b> <i>Nominating and Corporate Governance Committee, Sustainability Committee (Chair)</i>  Former President, Global Customer Group and Senior Vice President of Visteon Corporation. Current member of the Board of Directors of FMC.</div>	<div><b>ANDREA E. UTECHT</b> <i>Sustainability Committee</i>  Retired Executive Vice President, General Counsel and Secretary of FMC Corporation.</div>



## Code of Ethics & Business Conduct

We are committed to acting and operating with honesty, integrity and in full compliance with the law. We believe these commitments are essential for maintaining our trusted brand reputation and operating with integrity.

The Livent Code of Ethics and Business Conduct (“the Code”) establishes company-wide standards that guide our activities and business decisions. Topics covered in the Code include, but are not limited to, commitment to ethical behavior, compliance with laws and regulations, responding to non-compliance, relationships with customers, employee rights, information privacy, conflicts of interest, anti-bribery and political contributions.

We rely on our employees to carry out the expectations we outline in our Code. Accordingly, new employees are required to complete a training on the Code, and all other employees participate in a mandatory refresher course annually. Employees must also complete supplemental training modules that expand further on specific topics covered in the Code. All courses are provided in multiple languages.

## Compliance & Accountability

Conducting ethical business is a core part of our commitment to compliance and transparency—and central to who we are as a company. The Livent Corporate Responsibility Committee reviews Livent’s compliance with our Code of Conduct and Business Ethics and applicable laws, oversees compliance training and considers suitable responses to compliance issues and legal developments. The Corporate Responsibility Committee is made up of senior management and reports to the Audit Committee of the Board of Directors.

During 2021, we had zero instances of non-compliance that resulted in a notice, fine or penalty.

## Grievance & Reporting Mechanisms

We maintain an Ethics Response Line, hosted by a third-party provider, where employees, suppliers and business partners can anonymously report suspected violations to Livent’s Code of Conduct. We scrupulously protect anyone who reports an ethics concern from retaliation.

We also expect suppliers to establish and maintain channels through which their employees and other stakeholders can report concerns or suspected violations of our requirements. Suppliers are encouraged to contact Livent’s Supply Chain team directly about any violations.

## Information Security & Fighting Increasing Cyber Threats

At Livent, cybersecurity, like safety, is everyone’s responsibility. Our employees are the first line of defense against cyber threats. Livent embraces cybersecurity education through enterprise cybersecurity training and awareness programs, including an ongoing cybersecurity awareness campaign and Cybersecurity Awareness Month. We regularly perform simulated cyber assessments and vulnerability scans to stay ahead of the threats and invest in leading edge cybersecurity tools. In addition, cybersecurity is a regular topic in our Risk Council and Board-level discussions. Our policies and standards are aligned with the NIST (National Institute of Standards and Technology) framework to ensure cyber risk mitigation and protection capabilities for our organization.







07

ESG PERFORMANCE  
METRICS



# ESG PERFORMANCE METRICS

INDICATOR	UNITS	FY2021	FY2020	FY2019
ENVIRONMENT¹				
Manufacturing & Sourcing Sites				
Number of Livent manufacturing sites	#	6	6	6
Number of sourcing partner sites	#	1	1	1
ISO certified sites	#	7	7	7
Emissions				
Total GHG emissions (Scope 1 and 2)²	tonnes CO₂e	112,614*	91,854	124,390
Scope 1 emissions	tonnes CO₂e	92,748*	67,131	-
Scope 1 Emissions, without carbon offsets	tonnes CO₂e	99,833*	87,964	-
Carbon Offsets	tonnes CO₂e	(7,085)*	(20,833)	-

**2021 Emission Factors**

Scope 1 CO₂e factors reference – United States (US) Environmental Protection Agency (EPA) Emission Factors for Greenhouse Gas Inventories dated 1 April 2021.

Scope 2 CO₂e factors references – 2020 International Energy Agency (IEA) Emission Factors (2019) and 2020 Duke Energy Report; US EPA Emission Factors for Greenhouse Gas Inventories dated 1 April 2021, incl. Emissions & Generation Resource Integrated Database (eGRID 2021).

**Note:** In all of the preceding and following tables and footnotes, “-” means data not available, and “\*” means data was assured by ERM CVS.

1 Environmental data covers the 6 manufacturing sites that Livent owns and operates directly. JB, Livent’s hydroxide sourcing based partner in Rugao, Jiangsu, China, is a separate company and is not included in any of this data.

2 Market-based: To better reflect our global manufacturing footprint, 2021 Scope 2 data is market-based and will be going forward. 2021 data reflects 7,085 tonnes CO₂e of Scope 1 reductions via carbon offsetting investments in a large-scale hydropower project in 2021.

Location-based: In 2021, total GHG Emissions (Scope 1 and 2, location-based) without carbon offsets, were 122,567 tonnes.\* GHG Emissions intensity (Scope 1 and 2, location-based), without carbon offsets, was 2.6 tonnes CO₂e/product tonnes produced.\*

In 2020, total GHG Emissions (Scope 1 and 2, location-based), without carbon offsets, were 112,687 tonnes. 2020 data reflects 20,833 tonnes of Scope 1 reductions via carbon offsetting investments in a large-scale renewable energy/wind project in 2020. Total Scope 1 emissions in 2020, without carbon offsets, were 87,964 tonnes. GHG Emissions intensity (Scope 1 and 2, location-based), without carbon offsets, was 2.5 tonnes CO₂e/product tonnes produced.

INDICATOR	UNITS	FY2021	FY2020	FY2019
Scope 2 emissions³	tonnes CO₂e	19,866*	24,723	-
GHG emissions intensity (Scope 1 and 2)²	tonnes CO₂e/Product tonnes produced	2.4*	2	2.4
Energy				
Total energy consumption	GJ	2,104,115*	1,971,315	2,094,067
Energy intensity	GJ/Product tonnes produced	45.7*	43.6	41.1
Total energy consumption within the organization from renewable sources	GJ	27,963⁴	-	-
Total energy consumption within the organization from renewable sources	%	1.3%⁴	-	-
Water				
Total water consumed	Cubic Meters(m³)	3,289,463*	3,296,663	3,263,712
Water intensity	m³/Product tonnes produced	71.4*	72.9	64.0
Number of incidents of non-compliance associated with water quality permits, standards, and regulations	#	0	0	-

3 Total Scope 2 emissions in 2021 (location-based) were 22,734 tonnes CO₂e.\* As previously reported, 2020 and 2019 data are location-based.

4 For 2021, reflects purchased I-REC (Renewable Energy Certificate) for Zhangjiagang representing 11,606 GJ electricity (3,224 MWh) generated from renewable sources. Total energy consumption within the organization from renewable sources, without I-REC, were 17,290 GJ.



INDICATOR	UNITS	FY2021	FY2020	FY2019
Waste Disposed				
Total waste disposed	kg	5,515,293*	8,388,047	10,519,440
Total hazardous waste – disposed	kg	1,449,546	1,335,530	-
Incinerated	kg	223,685	115,364	-
Wastewater Treatment	kg	984,984	1,049,288	-
Landfill	kg	240,877	170,878	-
Total non-hazardous waste – disposed	kg	4,065,747	7,052,517	-
Incinerated	kg	77,539	129,419	-
Wastewater Treatment	kg	3,439,425	6,399,802	-
Landfill	kg	548,783	523,296	-
Total waste recycled	kg	2,478,361	1,243,478	-
Total hazardous waste – recycled	kg	1,718,336	616,782	-
Total non-hazardous waste – recycled	kg	760,025	626,696	-
Total waste disposed intensity	kg/Product tonnes produced	119.7*	185.5	206.3
Clean Tech				
Capital Investment (Growth & Maintenance) <sup>5</sup>	\$M	134	125	189
Revenue by Application (Energy Storage & Polymers) <sup>6</sup>	\$M	323	202	252

5 This is more fully described in Livent’s 2021 Form 10-K, Part I, Item 1, Business, Growth.

6 This is more fully described in Livent’s 2021 Form 10-K, Part I, Item 1, Business, Capacity and Production.

INDICATOR	UNITS	FY2021	FY2020	FY2019
SOCIAL				
Workforce Composition				
Total number of employees worldwide (full-time and part-time)	#	861*	747	800
Number of contractors worldwide	#	89	141	-
Percent Employees by Region				
North America	%	37	39	41
South America	%	43	40	38
Asia	%	13	13	12
Europe	%	7	8	9
Percent Employees and Contractors by Gender				
Employees – women	%	23	21	21
Employees – men	%	77	79	79
Contractors – women	%	20	14	-
Contractors – men	%	60	65	-
Contractors – not specified	%	20	21	-
Relative Mix of Employees Compared to Contractors, by Region				
North America	%	78	85	-
South America	%	91	95	-
Asia	%	93	65	-
Europe	%	90	74	-



INDICATOR	UNITS	FY2021	FY2020	FY2019
Employee Diversity <sup>7</sup>				
Total number of employees worldwide (full-time and part-time)	#	861*	747	800
Women	%	22*	21	21
Men	%	78*	79	79
Total number of executives	#	11*	9	9
Women in executive positions	%	36*	33	44
Men in executive positions	%	64*	67	56
Black, Indigenous and People of Color (BIPOC) in executive positions	%	22	-	-
Total number of employees in professional positions <sup>8</sup>	#	248*	198 <sup>9</sup>	-
Women in professional positions	%	41*	42 <sup>9</sup>	-
Men in professional positions	%	59*	57 <sup>9</sup>	-
Gender not specified	%	0	1 <sup>9</sup>	-

7 The Livent HR team began tracking diversity metrics in 2019. Diversity data covers only employees, not contractors.

8 We define professional positions as non-manufacturing staff identified by Livent job classifications: Distribution, Engineering, Finance, Human Resources, Information Technology, Legal and Marketing.

9 Total number of employees in professional positions previously reported as 217, corrected to 198 employees in 2020 to reflect the exclusion of terminated employees. As a result, % of women was corrected to 42% (previously reported 41%), % of men was corrected to 57% (previously reported 58%), and % Gender not specified was corrected to 1% (previously reported <1%).

INDICATOR	UNITS	FY2021	FY2020	FY2019
Total number of employees in operations positions <sup>10</sup>	#	602*	540 <sup>11</sup>	-
Women in operations positions	%	15*	13	-
Men in operations positions	%	85*	87	-
Gender not specified	%	0	<1	-
U.S. employee racial diversity <sup>12</sup>				
White	%	66	58	-
Black and African American	%	20	19	-
Latino/Hispanic	%	3	3	-
Asian/Pacific Islander	%	6	5	-
Two or more races	%	1	1	-
Not specified	%	5	14	-
Global age diversity				
<30 years old	%	11	7	-
30–50 years old	%	60	58	-
>50 years old	%	29	35	-

10 We define operational positions as all manufacturing staff identified by Livent job classifications: Administrative, Communications, Customer Service, Health, Safety, Environmental, Manufacturing Hourly, Manufacturing Management, Planning, Quality, Regulatory/Registration, Research and Development, Sales and Site Services.

11 Total number of employees in operations positions previously reported as 559, corrected to 540 employees in 2020 to reflect the exclusion of terminated employees.

12 Based on voluntary disclosure



INDICATOR	UNITS	FY2021	FY2020	FY2019
Age diversity by employee category				
Executives				
<30 years old	%	0	-	-
30–50 years old	%	36	-	-
>50 years old	%	64	-	-
Professional Positions				
<30 years old	%	12	-	-
30–50 years old	%	66	-	-
>50 years old	%	22	-	-
Operations Positions				
<30 years old	%	10	-	-
30–50 years old	%	58	-	-
>50 years old	%	32	-	-
Employee Turnover & New Hires				
New employee hires	#	108	-	-
Employee turnover	%	10	-	-
Employee Support Programs				
Parental leave	Y/N	Y	Y	Y
Programs for upgrading employee skills and transition assistance programs	Y/N	Y	Y	Y

INDICATOR	UNITS	FY2021	FY2020	FY2019
Labor Relations				
Percentage of active workforce covered under collective bargaining agreements				
North America	%	0	0	-
South America	%	57	58	-
Asia	%	0	0	-
Europe	%	0	0	-
Safety <sup>13</sup>				
First aid injuries <sup>14</sup>				
Employees	#	9	9	17
Contractors	#	6	8	5
First aid injury rate <sup>14</sup>				
Employees	# of first aid injuries per 200,000 hours	0.97	0.96	1.78
Contractors	# of first aid injuries per 200,000 hours	1.09	2.83	0.93
Recordable injuries/illnesses				
Employees	#	1	0	1
Contractors	#	2	1	1

13 Safety data covers all Livent facilities (manufacturing and non-manufacturing). “Employees” include full-time and part-time Livent employees and embedded contract employees directly managed by a Livent employee.

14 First aid refers to work-related injuries or illnesses for which the individual received basic medical attention on-site.



INDICATOR	UNITS	FY2021	FY2020	FY2019
Recordable injury / illness rate				
Employees	# of injuries / illnesses per 200,000 hours	0.11 *	0	0.11
Contractors	# of injuries / illnesses per 200,000 hours	0.36	0.35	0.19
Fatalities and permanent disabilities	#	0	0	0
Number of fatalities as a result of work-related injury				
Employees	#	0	0	-
Contractors	#	0	0	-
Rate of fatalities as a result of work-related injury				
Employees	%	0	0	-
Contractors	%	0	0	-
Number of high-consequence work-related injuries (excluding fatalities)				
Employees	#	0	0	-
Contractors	#	0	1	-
Rate of high-consequence work-related injuries (excluding fatalities)				
Employees	#	0	0	-
Contractors	#	0	0.35	-
Total hours worked – employees	#	1,858,250	1,880,378	-
Total hours worked – contractors	#	1,102,908	565,243	-

INDICATOR	UNITS	FY2021	FY2020	FY2019
Loss of Primary Containment Category 1 Incidents <sup>15</sup>	#	0	0	0
Loss of Primary Containment Category 2 Incidents <sup>16</sup>	#	1	0	1
Loss of Primary Containment Category 3 Incidents <sup>17</sup>	#	397	217	162
Notices of violation (regulatory)	#	1	1 <sup>18</sup>	0
Lost Time Incident Rate (LTIR)	Number of lost time injuries in the reporting period x 200,000 / Total hours worked in the reporting period	0.11	-	-
Process Safety				
Process Safety Incidents Count (PSIC)	#	1	-	-
Process Safety Total Incident Rate (PSTIR)	Total PS incidents x 200,000 / Total employee and contractor work hours	0.07	-	-
Process Safety Incident Severity Rate (PSISR)	Total severity score for all PS incidents x 200,000 / Total employee, contractor and subcontractor work hours	0.07	-	-
Number of transport incidents <sup>19</sup>	#	0	-	-
Number of reportable spills	#	0	0	-

15 Loss of Primary Containment Category 1 Event results in one of the following: fatality; permanent disabling injury; multiple lost time injuries; injury to offsite personnel; onsite damages greater than \$100,000; offsite damage greater than \$5,000; regulatory agency action (citation or order) with penalties greater than \$5,000; or two or more complaints to site management, media or to a community organization from offsite personnel.

16 Loss of Primary Containment Category 2 Event results in one or more of the following: Employee or contractor recordable injury; fire or explosion resulting in damage equal to or greater than \$25,000 US\$ of direct cost; any acute release of flammable, combustible or toxic chemicals greater than regulated chemical threshold quantities.

17 Loss of Primary Containment Category 3 Event refers to: any other event that does not meet the criteria of a LOPC Category 2 event. This includes any unplanned or unanticipated fire in a process area. In late 2019, the definition of “A Loss of Primary Containment Category 3 Event” expanded to include ALL leaks and releases, unlike in previous years when only leaks and releases above a minimum threshold were required to be reported.

18 Previously reported as 0, corrected to 1 Notice of Violation (regulatory) in 2020.

19 Transport Incidents as defined by Sustainability Accounting Standards Board, Chemicals (2018).



Indicator	Units	FY2021	FY2020	FY2019
Community				
Community Relations (CR) program in Catamarca to support health, nutrition, education, training, quality of life, climate action, local development and employability <sup>20</sup>	US\$	428,972	730,545	998,205
Capital Spend in Argentina, which supports the national and local economies <sup>20,21</sup>	US\$	103,800,783	46,534,906	105,241,477
Argentina Infrastructure Trust to support community infrastructure projects <sup>20,22</sup>	US\$	2,800,088	3,024,652	2,875,119
Security & Human Rights				
Percentage of proved reserves in or near areas of conflict	%	0	0	-
Percentage of probable reserves in or near areas of conflict	%	0	0	-

20 Reported figures are in US\$. In 2021, AR\$ to US\$ exchange rate fluctuations resulted in lower nominal US\$ spend. In 2020, restated in US dollars for all years given the significant currency fluctuations in the Argentine peso.

21 Includes all (accruals-based) capital expenditures in Argentina, not just Catamarca, as was presented in Livent’s 2020 and 2019 Sustainability Reports. The 2020 Capital Spend amount reflects Livent’s decision in March 2020 to suspend all global expansion projects due to the COVID-19 pandemic and other industry factors.

22 This is Salar del Hombre Muerto Trust Fund that is more fully described in Livent’s 2021 Form 10-K, Part I, Item 1, Business, Mineral Concession Rights, Water.

Indicator	Units	FY2021	FY2020	FY2019
Governance				
Board Structure				
Size of the Board	#	9*	9	7
Board Independence				
Non Executive Directors on Board	#	8	8	6
CEO Duality	Y/N	N	N	N
Independent Directors <sup>23</sup>	#	6		
Board & Executive Diversity				
# Women on Board	#	2	2	1
% Women on Board	%	22*	22	14
# Black, Indigenous, and People of Color (BIPOC) on the Board	#	1	-	-
% BIPOC on the Board	%	11	-	-
Age group (under 30, 30–50 years old, over 50)	%	100 (>50)	-	-
Board Meetings				
Board Meeting Attendance	%	100	75+	75+
Executive Compensation				
Executive Compensation Tied to ESG Targets	Y/N	Y	Y	-

23 In 2019, the following were also “independent directors” under NYSE Listed Company Manual Section 303A.02(b): four members of the Board, all members (including the Chairperson) of the Audit Committee, two members of each of the Compensation and Nominating Committees, and the Chairperson of the Sustainability Committee. As of March 2022, eight members of the Board of Directors are independent based on NYSE rules.



INDICATOR	UNITS	FY2021	FY2020	FY2019
Audit Committee				
Size of Audit Committee	#	4	4	3
Non Executive Directors on Audit Committee	#	4	4	3
Non Executive Directors on Audit Committee	%	100	100	100
Non Executive Audit Committee Chairperson	Y/N	Y	Y	Y
Compensation Committee				
Size of Compensation and Organization Committee	#	3	3	3
Non Executive Directors on Compensation Committee	#	3	3	3
Non Executive Directors on Compensation Committee	%	100	100	100
Non Executive Compensation Committee Chairperson	Y/N	Y	Y	Y
Nominating Committee				
Size of Nominating and Corporate Governance Committee	#	3	3	3
Non Executive Directors on Nominating Committee	#	3	3	3
Non Executive Directors on Nominating Committee	%	100	100	100
Non Executive Nominating Committee Chairperson	Y/N	Y	Y	Y
Sustainability Committee				
Sustainability Committee	Y/N	Y	Y	Y
Size of Sustainability Committee	#	4	4	3
Non Executive Directors on Sustainability Committee	#	4	4	3

INDICATOR	UNITS	FY2021	FY2020	FY2019
Non Executive Directors on Sustainability Committee	%	100	100	100
Non Executive Sustainability Committee Chairperson	Y/N	Y	Y	Y
Competitive Behavior				
Total amount of monetary losses as a result of legal proceedings associated with anticompetitive behavior regulations	\$	0	0	-
Total amount of monetary losses as a result of legal proceedings associated with bribery or corruption	\$	0	0	-
Socioeconomic Compliance				
Significant fines and non-monetary sanctions for non-compliance with laws and/or regulations	#	0	0	-
Total monetary value of significant fines	\$	0	0	-
Total number of non-monetary sanctions	#	0	0	-
Cases brought through dispute resolution mechanisms	#	0	0	-
Environmental Compliance				
Significant fines and non-monetary sanctions for non-compliance with environmental laws	#	0	0	-
Total monetary value of significant fines	\$	0	0	-
Total number of non-monetary sanctions	#	0	0	-
Cases brought through dispute resolution mechanisms	#	0	0	-
Product Safety				
Total amount of monetary losses as a result of legal proceedings associated with product safety	\$	0	0	-



INDICATOR	UNITS	FY2021	FY2020	FY2019
POLICIES				
Environment				
Biodiversity Policy	Y/N	Y	Y	Y
Animal Welfare Policy	Y/N	Y	Y	Y
Climate Change Policy	Y/N	Y	Y	Y
Ethics				
Anti-Bribery Ethics Policy	Y/N	Y	Y	Y
Business Ethics Policy	Y/N	Y	Y	Y
Employee Protection /Whistle Blower Policy	Y/N	Y	Y	Y
Political Contributions Policy	Y/N	Y	Y	Y
Safety & Human Rights				
Health and Safety Policy	Y/N	Y	Y	Y
Human Rights Policy	Y/N	Y	Y	Y
Enterprise Level Workforce/Labor Rights Policy	Y/N	Y	Y	Y
Conflict Minerals Policy (referencing external standards)	Y/N	Y	Y	Y
Policy Against Child Labor	Y/N	Y	Y	Y
Supplier Code of Conduct	Y/N	Y	Y	Y
Supplier Sustainability Policy	Y/N	Y	N	N
UN Global Compact Signatory <sup>24</sup>	Y/N	Y	Y	Y

24 Livent was a signatory/participant of the UN Global Compact as part of FMC Corporation through the first part of FY2019. In early FY2020, Livent became a participant of the United Nations Global Compact (UNGC) as an independent company.





08

# DISCLOSURE REFERENCES

Colleagues from Bromborough, UK charging their EVs at the site charging station



CONTENT INDEX

GRI	DISCLOSURE	LOCATION	SASB	UN SDGs	TCFD
GENERAL DISCLOSURES					
102-01	Name of the organization	<a href="#">About Livent – Company Overview</a>	-	-	-
102-02	Activities, brands, products, and services	<a href="#">About Livent – Company Overview</a> <a href="#">About Livent – Innovation</a>	RT-CH-410a.1	9	-
102-03	Location of headquarters	<a href="#">About Livent – Locations</a>	-	-	-
102-04	Location of operations	<a href="#">About Livent – Locations</a>	EM-EP-000.C	-	-
102-05	Ownership and legal form	-	-	-	-
102-06	Markets served	<a href="#">About Livent – Company Overview</a> ; <a href="#">About Livent – Products &amp; Markets Served</a> ; <a href="#">About Livent – Product Impact &amp; Climate Change</a>	RT-CH-000.A	-	-
102-07	Scale of the organization	<a href="#">About Livent – Locations</a> ; <a href="#">About Livent – Products &amp; Markets Served</a>	-	-	-
102-08	Information on employees and other workers	<a href="#">ESG Performance Metrics</a>	-	-	-
102-09	Supply chain	<a href="#">About Livent – Value Creation</a> ; <a href="#">Social Responsibility – Responsible Sourcing</a>	-	-	-
102-10	Significant changes to the organization and its supply chain	<a href="#">Expansion – Expansion Projects</a> ; <a href="#">About Livent – Growth of Electric Vehicles and Electrification</a>	RT-CH-410a.1	9	Strategy
102-11	Precautionary Principle or approach	-	-	-	-
102-12	External initiatives	-	-	-	-

GRI	DISCLOSURE	LOCATION	SASB	UN SDGs	TCFD
102-13	Membership of associations	<a href="#">Our Sustainability Program &amp; Goals – Overview</a> ; <a href="#">Our Sustainability Program &amp; Goals – 2030 and 2040 Goals</a> ; <a href="#">Our Sustainability Program &amp; Goals – Initiative for Responsible Mining Assurance</a> ; <a href="#">Product Stewardship Trade Associations</a>	-	-	-
102-14	Statement from senior decision-maker	<a href="#">From Our CEO</a>	-	-	Strategy
102-16	Values, principles, standards, and norms of behavior	<a href="#">About Livent – Core Values</a>	-	-	-
102-18	Governance structure	<a href="#">Corporate Governance – Governance Structure</a> ; <a href="#">Our Sustainability Program &amp; Goals – Sustainability Program Management and Governance</a>	-	-	-
102-40	List of stakeholder groups	<a href="#">Our Sustainability Program &amp; Goals – Materiality Assessment and Stakeholder Engagement</a>	-	-	-
102-41	Collective bargaining agreements	<a href="#">Social Responsibility – Human Rights</a> ; <a href="#">ESG Performance Metrics</a>	-	-	-
102-42	Identifying and selecting stakeholders	<a href="#">Our Sustainability Program &amp; Goals – Materiality Assessment and Stakeholder Engagement</a>	-	-	-
102-43	Approach to stakeholder engagement	<a href="#">Our Sustainability Program &amp; Goals – Materiality Assessment and Stakeholder Engagement</a>	-	-	-



GRI	DISCLOSURE	LOCATION	SASB	UN SDGs	TCFD
102-44	Key topics and concerns raised	<a href="#">Our Sustainability Program &amp; Goals – Materiality Assessment and Stakeholder Engagement</a>	-	-	-
102-45	Entities included in the consolidated financial statements	-	-	-	-
102-46	Defining report content and topic Boundaries	-	-	-	-
102-47	List of material topics	<a href="#">Our Sustainability Program &amp; Goals – Materiality Assessment and Stakeholder Engagement</a>	-	-	-
102-48	Restatements of information	-	-	-	-
102-49	Changes in reporting	No significant changes in reporting from previous report	-	-	-
102-50	Reporting period	-	-	-	-
102-51	Date of most recent report	2020	-	-	-
102-52	Reporting cycle	Annual	-	-	-
102-53	Contact point for questions regarding the report	<a href="mailto:George.Thomas@livent.com">George.Thomas@livent.com</a>	-	-	-
102-54	Claims of reporting in accordance with the GRI Standards	<a href="#">Our Sustainability Program &amp; Goals – Management Systems and Frameworks</a>	-	-	-
102-55	GRI content index	<a href="#">Disclosure References</a>	-	-	-
102-56	External assurance	<a href="#">Our Sustainability Program &amp; Goals – 2030 and 2040 Goals; Our Sustainability Program &amp; Goals – Management Systems and Frameworks; Independent Auditor’s Assurance Letter</a>	-	-	-

GRI	DISCLOSURE	LOCATION	SASB	UN SDGs	TCFD
ENVIRONMENTAL					
Water & Effluents					
303-1	Interactions with water as a shared resource	<a href="#">Our Sustainability Program &amp; Goals – 2030 and 2040 Goals; Environment – Responsible Water Use; Environment – Water Study; Environment – Operational Impacts &amp; Expansion</a>	RT-CH-140a.3	12 & 15	-
303-2	Management of water discharge-related impacts	<a href="#">Environment – Responsible Water Use; Environment – Water Study</a>	-	-	-
303-3	Water withdrawal	<a href="#">ESG Performance Metrics</a>	RT-CH-140a.1	-	-
303-4	Water discharge	-	-	-	-
303-5	Water consumption	<a href="#">Environment – Responsible Water Use; ESG Performance Metrics</a>	RT-CH-140a.1	-	-
Energy, Emissions & Climate Change					
302-1	Energy consumption within the organization	<a href="#">Environment – Operational Impacts &amp; Expansion; ESG Performance Metrics</a>	RT-CH-130a.1	7 & 12	Metrics & Targets
302-2	Energy consumption outside of the organization	<a href="#">About Livent – Product Impact: Climate Solutions</a>	RT-CH-410a.1	7	Metrics & Targets
302-3	Energy intensity	<a href="#">Environment – Operational Impacts &amp; Expansion; ESG Performance Metrics</a>	-	7 & 12	Metrics & Targets
302-4	Reduction of energy consumption	<a href="#">Our Sustainability Program &amp; Goals – 2030 and 2040 Goals</a>	-	7	Risk Management
302-5	Reductions in energy requirements of product services	<a href="#">About Livent – Product Impact: Climate Solutions</a>	-	7	Risk Management



GRI	DISCLOSURE	LOCATION	SASB	UN SDGs	TCFD
305-1	Direct (Scope 1) GHG emissions	<a href="#">Our Sustainability Program &amp; Goals – 2030 and 2040 Goals; Environment – Lifecycle Assessment of Livent’s Lithium Carbonate and Lithium Hydroxide; ESG Performance Metrics</a>	RT-CH-110a.1 RT-CH-110a.2	13	Metrics & Targets
305-2	Energy indirect (Scope 2) GHG emissions	<a href="#">Our Sustainability Program &amp; Goals – 2030 and 2040 Goals; Environment – Lifecycle Assessment of Livent’s Lithium Carbonate and Lithium Hydroxide; ESG Performance Metrics</a>	RT-CH-410a.1	13	Metrics & Targets
305-3	Other indirect (Scope 3) GHG emissions	<a href="#">Our Sustainability Program &amp; Goals – 2030 and 2040 Goals; Environment – Lifecycle Assessment of Livent’s Lithium Carbonate and Lithium Hydroxide</a>	RT-CH-410a.1	13	Metrics & Targets
305-4	GHG emissions intensity	<a href="#">Our Sustainability Program &amp; Goals – 2030 and 2040 Goals; Environment – Operational Impacts &amp; Expansion; ESG Performance Metrics</a>	-	12 & 13	Risk Management
305-5	Reduction of GHG emissions	<a href="#">Our Sustainability Program &amp; Goals – 2030 and 2040 Goals; Environment – Operational Impacts &amp; Expansion; Our Sustainability Program &amp; Goals – Climate Change Risks &amp; Opportunities</a>	-	12 & 13	Governance, Strategy, & Risk Management
305-6	Emissions of ozone-depleting substances (ODS)	<a href="#">ESG Performance Metrics</a>	-	-	-
305-7	Nitrogen oxides (NO <sub>x</sub> ), sulfur oxides (SO <sub>x</sub> ), and other significant air emissions	-	-	13	Metrics & Targets

GRI	DISCLOSURE	LOCATION	SASB	UN SDGs	TCFD
Effluents & Waste					
306-1	Water discharge by quality and destination	<a href="#">Environment – Responsible Water Use</a>	-	12	-
306-2	Waste by type and disposal method	<a href="#">Environment – Operational Impacts &amp; Expansion ESG Performance Metrics</a>	RT-CH-150a.1	12	-
306-3	Significant spills	<a href="#">Social Responsibility – Occupational Health &amp; Safety; Social Responsibility – Process Safety Management; ESG Performance Metrics</a>	RT-CH-540a.1 RT-CH-540a.2 RT-EE-150a.2	-	-
306-4	Transport of hazardous waste	-	-	-	-
306-5	Water bodies affected by water discharge and/or runoff	<a href="#">Environment – Responsible Water Use;</a>	-	-	-
Biodiversity					
304-1	Operational sites owned, leased, managed in, or adjacent to, protected areas and areas of high biodiversity value outside protected areas	<a href="#">Environment – Biodiversity</a>	-	15	-
304-2	Significant impacts of activities, products, and services on biodiversity	<a href="#">Environment – Biodiversity</a>	-	15	-
304-3	Habitats protected or restored	<a href="#">Environment – Biodiversity</a>	-	15	-



GRI	DISCLOSURE	LOCATION	SASB	UN SDGs	TCFD
SOCIAL					
Occupational Health & Safety					
403-1	Occupational health and safety management system	<a href="#">Our Sustainability Program &amp; Goals – Management Systems &amp; Frameworks; Our Sustainability Program &amp; Goals – Safety; Our Sustainability Program &amp; Goals – Incident Response; Our Sustainability Program &amp; Goals – Enterprise Risk Management; Social Responsibility – Occupational Health &amp; Safety</a>	-	8	-
403-2	Hazard identification, risk assessment, and incident investigation	<a href="#">Our Sustainability Program &amp; Goals – Management Systems &amp; Frameworks; Our Sustainability Program &amp; Goals – Incident Response; Our Sustainability Program &amp; Goals – Enterprise Risk Management; Social Responsibility – Occupational Health &amp; Safety</a>	RT-CH-150a.1 RT-CH-320a.2	8	-
403-3	Occupational health services	<a href="#">Social Responsibility – Occupational Health &amp; Safety</a>	RT-CH-150a.1 RT-CH-320a.2	8	-
403-4	Worker participation, consultation, and communication on occupational health and safety	<a href="#">Social Responsibility – Occupational Health &amp; Safety</a>	RT-CH-150a.1 RT-CH-320a.2	8	-
403-6	Promotion of worker health	<a href="#">Social Responsibility – Occupational Health &amp; Safety</a>	RT-CH-150a.1 RT-CH-320a.2	8	-
403-7	Prevention and mitigation of occupational health and safety impacts directly linked by business relationships	<a href="#">Social Responsibility – Occupational Health &amp; Safety; Social Responsibility – Human Rights; Social Responsibility – Responsible Sourcing</a>	RT-CH-150a.1 RT-CH-320a.2	8	-

GRI	DISCLOSURE	LOCATION	SASB	UN SDGs	TCFD
403-8	Workers covered by an occupational health and safety management system	-	-	-	-
403-9	Work-related injuries	<a href="#">Social Responsibility – Occupational Health &amp; Safety; ESG Performance Metrics</a>	RT-CH-150a.1 RT-CH-320a.1 RT-CH-320a.2	-	-
403-10	Work-related ill health	<a href="#">Social Responsibility – Occupational Health &amp; Safety; ESG Performance Metrics</a>	RT-CH-150a.1 RT-CH-320a.2		-
Indigenous Peoples & Community Impact					
411-1	Incidents of violations involving rights of indigenous peoples	-	-	-	-
Diversity & Equal Opportunity					
405-1	Diversity of governance bodies and employees	<a href="#">Social Responsibility – Diversity, Equity &amp; Inclusion; ESG Performance Metrics; Corporate Governance – Governance Structure</a>	-	5	-
Training & Education					
404-2	Programs for upgrading employee skills and transition assistance programs	<a href="#">Social Responsibility – Employee Engagement &amp; Development</a>	-	4	-



GRI	DISCLOSURE	LOCATION	SASB	UN SDGs	TCFD
Human Rights					
412-1	Operations that have been subject to human rights reviews or impact assessments	-	-	-	-
412-2	Employee training on human rights policies or procedures	<a href="#">Social Responsibility – Human Rights</a>	-	16	-
412-3	Significant investment agreements and contracts that include human rights clauses or underwent human rights screening	<a href="#">Social Responsibility – Human Rights</a> ; <a href="#">Social Responsibility – Responsible Sourcing</a>	-	16	-
Community Engagement					
413-1	Operations with local community engagement, impact assessments and development programs	<a href="#">Our Sustainability Program &amp; Goals – Materiality Assessment and Stakeholder Engagement</a> ; <a href="#">Social Responsibility – Community Involvement &amp; Development</a> ; <a href="#">Social Responsibility – Local Development &amp; Employment</a> ; <a href="#">Social Responsibility – Quality of Life</a> ; <a href="#">Social Responsibility – Environmental Action</a>	RT-CH-210a.1 EM-MM-210a.3 EM-MM-210b.1	1, 8, 10, & 11	-
GOVERNANCE					
Ethics & Compliance					
205-1	Operations assessed for risks related to corruption	-	-	-	-
205-2	Communication and training about anti-corruption policies and procedures	<a href="#">Social Responsibility – Responsible Sourcing</a> ; <a href="#">Corporate Governance – Code of Ethics &amp; Business Conduct</a>	RT-EE-510a.1	-	-

GRI	DISCLOSURE	LOCATION	SASB	UN SDGs	TCFD
205-3	Confirmed incidents of corruption and actions taken	-	-	-	-
206-1	Legal actions for anti-competitive behavior, anti-trust and monopoly practices	<a href="#">Corporate Governance – Grievance &amp; Reporting Mechanisms</a>	RT-EE-510a.1	-	-
419-1	Non-compliance with laws and regulations in the social and economic area	<a href="#">Corporate Governance – Compliance &amp; Accountability</a> ; <a href="#">ESG Performance Metrics</a>	-	-	-
307-1	Non-compliance with environmental laws and regulations	<a href="#">Corporate Governance – Compliance &amp; Accountability</a> ; <a href="#">ESG Performance Metrics</a>	RT-CH-140a.2	-	-





ISO 26000

ISSUES OF SOCIAL RESPONSIBILITY		LIVENT POLICIES, PROCEDURES OR ACTIONS	
6.2 ORGANIZATIONAL GOVERNANCE			
<b>Issue 1: Decision-making processes &amp; structures</b>	<ul style="list-style-type: none"><li>▪ Sustainability Committee Charter</li><li>▪ Audit Committee Charter</li><li>▪ Compensation and Organization Committee Charter</li><li>▪ Nominating Committee Charter</li><li>▪ Livent Ethics Response Lines and Communicating with the Board of Directors</li><li>▪ Statement of Governance Principles, Policies, and Procedures</li><li>▪ Livent's Transparency goals are part of our Sustainability Goals</li><li>▪ Corporate Governance Guidelines</li></ul>	<ul style="list-style-type: none"><li>▪ Third-party assurance of Livent's 2021 sustainability data</li><li>▪ All Livent sites have certifications for management systems: ISO 45001 (Occupational Health &amp; Safety), ISO 9001 (Quality Management), and ISO 14001 (Environmental Management)</li><li>▪ Livent has a Global Risk Standard that includes the company risk matrix (applicable to process safety, occupational safety, and environmental compliance)</li><li>▪ Livent's facilities completed IATF 16949 certification in early 2022</li></ul>	
6.3 HUMAN RIGHTS			
<b>Issue 1: Due diligence</b>	<ul style="list-style-type: none"><li>▪ Livent Annual Sustainability Report</li></ul>	<ul style="list-style-type: none"><li>▪ Sustainability Committee</li></ul>	
<b>Issue 2: Human rights risk situations</b>	<ul style="list-style-type: none"><li>▪ Livent Policy on Human Rights</li></ul>	<ul style="list-style-type: none"><li>▪ Supplier Code of Conduct</li></ul>	
<b>Issue 3: Avoidance of complicity</b>	<ul style="list-style-type: none"><li>▪ Livent Code of Ethics and Business Conduct</li></ul>	<ul style="list-style-type: none"><li>▪ Supplier Sustainability Policy</li></ul>	
<b>Issue 4: Resolving grievances</b>	<ul style="list-style-type: none"><li>▪ Livent Conflict Minerals Policy</li></ul>	<ul style="list-style-type: none"><li>▪ UK Modern Slavery Act Statement</li></ul>	
<b>Issue 5: Discrimination &amp; vulnerable groups</b>	<ul style="list-style-type: none"><li>▪ Livent Ethics Response Lines and Communicating with the Board of Directors</li></ul>	<ul style="list-style-type: none"><li>▪ Membership in UN Global Compact and commitment to UN Sustainable Development Goals</li></ul>	
<b>Issue 6: Civil &amp; political rights</b>	<ul style="list-style-type: none"><li>▪ Political Contributions Policy</li></ul>	<ul style="list-style-type: none"><li>▪ Livent's Social Responsibility goals are a part of Livent's Sustainability Goals</li></ul>	
<b>Issue 7: Economic, social &amp; cultural rights</b>	<ul style="list-style-type: none"><li>▪ Livent Statement on CA Transparency Act</li></ul>	<ul style="list-style-type: none"><li>▪ Livent undertook the IRMA self-assessment process in February 2021 and then commenced independent 3rd party verification in February 2022</li></ul>	
<b>Issue 8: Fundamental principles &amp; rights at work</b>	<ul style="list-style-type: none"><li>▪ Livent Statement on United States Customs Trade Partnership Against Terrorism</li></ul>	<ul style="list-style-type: none"><li>▪ Daily supplier screening through a leading electronic human rights and risk compliance monitoring tool</li></ul>	

ISSUES OF SOCIAL RESPONSIBILITY		LIVENT POLICIES, PROCEDURES OR ACTIONS	
6.4 LABOR PRACTICES			
<b>Issue 1: Employment &amp; employment relationships</b>	<ul style="list-style-type: none"><li>■ Livent Annual Sustainability Report</li><li>■ Compensation and Organization Committee Charter</li></ul>	<ul style="list-style-type: none"><li>■ Each Livent site has an Emergency Response Plan that is shared with Local Emergency Response organizations</li></ul>	
<b>Issue 2: Conditions of work &amp; social protection</b>	<ul style="list-style-type: none"><li>■ Livent Code of Ethics and Business Conduct</li></ul>	<ul style="list-style-type: none"><li>■ Each Livent site utilizes the Risk Assessment tool (or equivalent) to record and track incident reports as part of the Electronic EHS Information Management System (Cority)</li></ul>	
<b>Issue 3: Social dialogue</b>	<ul style="list-style-type: none"><li>■ Livent Ethics Response Lines and Communicating with the Board of Directors</li></ul>	<ul style="list-style-type: none"><li>■ Safe Handling Guides for every step in our process</li></ul>	
<b>Issue 4: Health &amp; safety at work</b>	<ul style="list-style-type: none"><li>■ Livent Policy on Human Rights</li><li>■ Sustainability Committee Charter</li></ul>	<ul style="list-style-type: none"><li>■ Product data sheets and safety data sheets</li></ul>	
<b>Issue 5: Human development &amp; training in the workplace</b>	<ul style="list-style-type: none"><li>■ Supplier Code of Conduct</li><li>■ Supplier Sustainability Policy</li><li>■ Global EHS Policy</li><li>■ Bessemer City EHS Policy, Vision, and Principles</li><li>■ All of Livent’s sites have certifications for ISO 45001 (Occupational Health and Safety)</li><li>■ Membership in UN Global Compact and commitment to UN Sustainable Development Goals</li><li>■ Livent’s Social Responsibility goals (with a focus on EHS) are a part of Livent’s Sustainability Goals</li></ul>	<ul style="list-style-type: none"><li>■ Livent undertook the IRMA self-assessment process in February 2021 and then commenced independent 3rd party verification in February 2022</li><li>■ Livent established Diversity Equity &amp; Inclusion (DE&amp;I) Committee with goals to: aspire to a level of diversity among our employees that reflects the geographies where Livent operates, maintain compensation processes that promote pay equity, and cultivate an inclusive work environment</li></ul>	



ISSUES OF SOCIAL RESPONSIBILITY		LIVENT POLICIES, PROCEDURES OR ACTIONS	
6.5 THE ENVIRONMENT			
<b>Issue 1: Prevention of pollution</b>	<ul style="list-style-type: none"><li>▪ Livent Annual Sustainability Report</li></ul>	<ul style="list-style-type: none"><li>▪ Livent's Environmental Impact goals are a part of Livent's Sustainability Goals</li></ul>	
<b>Issue 2: Sustainable resource use</b>	<ul style="list-style-type: none"><li>▪ Livent Climate Change Statement</li><li>▪ Livent Conflict Minerals Policy</li></ul>	<ul style="list-style-type: none"><li>▪ Membership with ZETA, the Zero Emission Transportation Association</li></ul>	
<b>Issue 3: Climate change mitigation &amp; adaptation</b>	<ul style="list-style-type: none"><li>▪ Livent Policy on Animal Welfare</li><li>▪ Sustainability Committee</li></ul>	<ul style="list-style-type: none"><li>▪ Livent works with hydrogeologists and researchers to create Salar models for monitoring water/brine health and biodiversity</li></ul>	
<b>Issue 4: Protection of the environment, biodiversity &amp; restoration of natural habitats</b>	<ul style="list-style-type: none"><li>▪ Supplier Code of Conduct</li><li>▪ Global EHS Policy</li><li>▪ Bessemer City EHS Policy, Vision, and Principles</li><li>▪ All of Livent's sites have certifications for ISO 14001 (Environmental)</li><li>▪ Livent's Supplier Sustainability Policy</li><li>▪ As publicly announced in March 2021 by BMW, Livent is participating in scientific water study commissioned by BMW Group and BASF</li><li>▪ Membership in UN Global Compact and commitment to UN Sustainable Development Goals</li></ul>	<ul style="list-style-type: none"><li>▪ Livent undertook the IRMA self-assessment process in February 2021 and then commenced independent 3rd party verification in February 2022</li><li>▪ Livent maintains a commitment to adhere to all local regulations in procuring the appropriate environmental permits to support our operations</li><li>▪ Beneficial reuse of waste</li><li>▪ Conducted lifecycle assessments of Livent's Lithium Carbonate, Lithium Hydroxide and LIOVIX®</li><li>▪ Sustainability &amp; Climate Readiness Council</li></ul>	
6.6 FAIR OPERATING PRACTICES			
<b>Issue 1: Anti-corruption</b>	<ul style="list-style-type: none"><li>▪ Livent Code of Ethics and Business Conduct</li></ul>	<ul style="list-style-type: none"><li>▪ UK Tax Strategy Statement 2018</li></ul>	
<b>Issue 2: Responsible political involvement</b>	<ul style="list-style-type: none"><li>▪ Livent Ethics Response Lines and Communicating with the Board of Directors</li></ul>	<ul style="list-style-type: none"><li>▪ Corporate Disclosure Policy</li></ul>	
<b>Issue 3: Fair competition</b>		<ul style="list-style-type: none"><li>▪ Membership in UN Global Compact and commitment to UN Sustainable Development Goals</li></ul>	
<b>Issue 4: Promoting social responsibility in the value chain</b>	<ul style="list-style-type: none"><li>▪ Supplier Code Conduct</li><li>▪ Supplier Sustainability Policy</li></ul>	<ul style="list-style-type: none"><li>▪ Livent's Sustainability Goals</li></ul>	
<b>Issue 5: Respect for property rights</b>	<ul style="list-style-type: none"><li>▪ Livent Conflict Minerals Policy</li><li>▪ CTPAT Statement of Support</li><li>▪ Political Contributions Policy</li><li>▪ Sustainability Committee</li></ul>	<ul style="list-style-type: none"><li>▪ Livent undertook the IRMA self-assessment process in February 2021 and then commenced independent 3rd party verification in February 2022</li><li>▪ Regular communication and engagement with local communities</li></ul>	

ISSUES OF SOCIAL RESPONSIBILITY		LIVENT POLICIES, PROCEDURES OR ACTIONS	
6.7 CONSUMER ISSUES			
<b>Issue 1: Fair marketing, factual &amp; unbiased information &amp; fair contractual practices</b>	<ul style="list-style-type: none"><li>■ Livent Annual Sustainability Report</li><li>■ Safe Handling Guides for every step in our process</li></ul>	<ul style="list-style-type: none"><li>■ As a part of Livent’s Global Crisis Management Plan, Livent has a hotline for incident reporting and response management, supported by the Global Crisis Management team</li></ul>	
<b>Issue 2: Protecting consumers’ health &amp; safety</b>	<ul style="list-style-type: none"><li>■ Product data sheets and safety data sheets</li><li>■ Livent Code of Ethics and Business Conduct</li></ul>	<ul style="list-style-type: none"><li>■ Conducted lifecycle assessments of Livent’s Lithium Carbonate, Lithium Hydroxide and LIOVIX®</li></ul>	
<b>Issue 3: Sustainable consumption</b>	<ul style="list-style-type: none"><li>■ Livent Ethics Response Lines and Communicating with the Board of Directors</li></ul>	<ul style="list-style-type: none"><li>■ Livent recently updated our Product Stewardship Program</li></ul>	
<b>Issue 4: Consumer service, support &amp; complaint and dispute resolution</b>	<ul style="list-style-type: none"><li>■ Livent Policy on Animal Welfare</li><li>■ Livent Statement on CA Transparency Act</li></ul>	<ul style="list-style-type: none"><li>■ Livent creates Globally Harmonized Safety Data Sheets and Product Safety labels, and Livent provides extended safety data sheets for our products which focus on consumer and environmental protections.</li></ul>	
<b>Issue 5: Consumer data protection &amp; privacy</b>	<ul style="list-style-type: none"><li>■ Global EHS Policy</li><li>■ Bessemer City EHS Policy, Vision, and Principles</li></ul>		
<b>Issue 6: Access to essential services</b>	<ul style="list-style-type: none"><li>■ Corporate Disclosure Policy</li></ul>	<ul style="list-style-type: none"><li>■ Livent conducts enterprise cybersecurity awareness and training programs and cyber-assessments and vulnerability scans</li></ul>	
<b>Issue 7: Education &amp; awareness</b>	<ul style="list-style-type: none"><li>■ 100% EV Sales by 2030 – ZETA</li><li>■ Livent R&amp;D and Analytical Labs</li><li>■ All of Livent’s sites have certifications for ISO 9001 (Quality Management)</li><li>■ Livent’s facilities completed IATF 16949 certification in early 2022</li></ul>	<ul style="list-style-type: none"><li>■ Livent’s policies and standards are aligned with the NIST framework (National Institute of Standards and Technology)</li></ul>	
6.8 COMMUNITY INVOLVEMENT & DEVELOPMENT			
<b>Issue 1: Community involvement</b>	<ul style="list-style-type: none"><li>■ Livent Annual Sustainability Report</li></ul>	<ul style="list-style-type: none"><li>■ Livent has also been a member of the UN Global Compact since April 2020 and has pledged to support the UN’s sustainable development goals. This includes community development through philanthropic giving, employee volunteerism, infrastructure development, community outreach and local capacity building</li></ul>	
<b>Issue 2: Education &amp; culture</b>	<ul style="list-style-type: none"><li>■ Livent’s Social Responsibility goals are a part of Livent’s New Sustainability Goals</li></ul>		
<b>Issue 3: Employment creation &amp; skills development</b>	<ul style="list-style-type: none"><li>■ Livent hosts community dialogue roundtables facilitated by Economia Foundation, an affiliate of the United Nations</li></ul>		
<b>Issue 4: Technology development &amp; access</b>			
<b>Issue 5: Wealth &amp; income creation</b>	<ul style="list-style-type: none"><li>■ Diversity, Equity and Inclusion Committee</li><li>■ Argentina Community Relations Program</li></ul>	<ul style="list-style-type: none"><li>■ Global CSR Initiatives</li></ul>	
<b>Issue 6: Health</b>		<ul style="list-style-type: none"><li>■ Employee Resource Groups</li></ul>	
<b>Issue 7: Social investment</b>			



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# INDEPENDENT AUDITORS' ASSURANCE LETTER



Independent Assurance Statement to Livent Corporation

ERM Certification and Verification Services, Inc. ("ERM CVS") was engaged by Livent Corporation ("Livent") to provide assurance in relation to the information set out below and presented in the 2021 Sustainability Report ("the Report").

Engagement summary	
Scope of our assurance engagement	Whether the consolidated corporate 2021 (January 1, 2021 – December 31, 2021) data for the following selected indicators are fairly presented, in all material respects, with the reporting criteria and definitions:
	<b>Environmental Indicators</b> <ul style="list-style-type: none"><li>Scope 1 GHG Emissions [tonnes CO<sub>2</sub>e]</li><li>Scope 2 GHG Emissions (location-based and market-based methodology) [tonnes CO<sub>2</sub>e]</li><li>Total GHG (Scope 1 and Scope 2 location-based) Emissions [tonnes CO<sub>2</sub>e]</li><li>Total GHG (Scope 1 and Scope 2 market-based) Emissions [tonnes CO<sub>2</sub>e]</li><li>GHG (Scope 1 and Scope 2 location-based) Intensity (tonnes CO<sub>2</sub>e / Product tonne produced*)</li><li>GHG (Scope 1 and Scope 2 market-based) Intensity (tonnes CO<sub>2</sub>e / Product tonne produced*)</li><li>Total Energy Consumption [GJ]</li><li>Energy Intensity [GJ/Product tonne produced*]</li><li>Total Water [m3]</li><li>Water Intensity [m3/Product tonne produced*]</li><li>Total Waste Disposed [kg]</li><li>Waste Disposed Intensity [kg/Product tonne produced*]</li></ul>
	<b>Safety Indicators</b> <ul style="list-style-type: none"><li>Recordable injury/illness Rate (# of injuries/illnesses per 200,000 hours)</li></ul>
	<b>Social Indicators</b> <ul style="list-style-type: none"><li>Total Employees (#)</li><li>Total Professional Employees (#)</li><li>Total Operations Employees (#)</li><li>Total Executives (#)</li><li>Total Board of Directors (# in 2021)</li><li>Workforce – Women (%) and Men (%)</li><li>Professional Positions – Women (%) and Men (%)</li><li>Operations Positions – Women (%) and Men (%)</li><li>Executive Positions – Women (%) and Men (%)</li><li>Board of Directors (%) Female in 2021</li></ul>
	<small>*Production data was not a part of the scope of the assurance engagement itself; rather, ERM CVS placed reliance on the accuracy and completeness of the production data, which was then used to assure the intensity figures.</small>
Reporting criteria	WBCSD/WRI GHG Protocol for the Scope 1 and 2 GHG emissions. Livent's internal reporting criteria and definitions.
Assurance standard	ERM CVS' assurance methodology, based on the International Standard on Assurance Engagements ISAE 3000 (Revised).
Assurance level	Limited assurance.
Respective responsibilities	Livent is responsible for preparing the Report and for the collection and presentation of the information within it.
	ERM CVS' responsibility is to provide conclusions on the agreed scope based on the assurance activities performed and exercising our professional judgement.

**Our conclusions**  
Based on our activities, as described below, nothing has come to our attention to indicate that the 2021 data and information and related explanatory notes for the environmental indicators under "Scope" above are not fairly presented, in all material respects, with the reporting criteria.

**Our assurance activities**  
A multi-disciplinary team of sustainability and assurance specialists performed a range of assurance procedures which varied across the disclosures covered by our assurance engagement, as follows:

- Interviews with relevant staff to understand and evaluate the relevant management systems and processes (including internal review processes) used for collecting and reporting the environmental, safety, and social indicators.
- 'Virtual' visits to three sites (Patancheru, India; Zhangjiagang, China; Güemes, Argentina) to review local reporting processes and test the consistency of reported annual data with the underlying sources. We interviewed relevant staff, reviewed site data capture and reporting methods, checked calculations, and assessed the local internal quality control and quality assurance processes.
- An analytical review of the data and a check on the completeness and accuracy of the corporate data consolidation, including conversion factors and emission factors used.
- Desk-based review of source data for the top contributing sites to each key corporate environmental and safety metric, including invoices.
- A review at corporate level of a sample of qualitative and quantitative evidence supporting the reported information.
- Reviewing the presentation of information relevant to the scope of our work in the Report to ensure consistency with our findings.

**The limitations of our engagement**  
Due to travel restrictions relating to COVID-19, our assurance activities consisted of desktop reviews of data and related information, and virtual meetings and interviews with Livent personnel responsible for the content of the Report.

The reliability of the assured information is subject to inherent uncertainties, given the available methods for determining, calculating or estimating the underlying information. It is important to understand our assurance conclusions in this context.

**Our independence**  
ERM CVS is a member of the ERM Group. The work that ERM CVS conducts for clients is solely related to independent assurance activities and auditor training. Our processes are designed and implemented to ensure that the work we undertake with clients is free from bias and conflict of interest. ERM CVS and the staff that have undertaken work on this assurance exercise provide no consultancy related services to Livent in any respect.

*Beth C. B. Wyke*

Beth Wyke  
Head of Corporate Assurance Services  
Malvern, PA

24 June 2022  
ERM Certification and Verification Services, Inc.  
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