



2019 SUSTAINABILITY REPORT

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# INSPIRING TOMORROW



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Cover photo by Gonzalo Caldera, Livent employee

**Separation and Materiality:** On March 1, 2019, Livent completed its separation from FMC Corporation. The data presented in this report consists of Livent-only data for all periods presented. 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, 2019, 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.





# FROM OUR CEO

With lithium playing an increasingly important role in powering modern life and inspiring the possibilities of tomorrow, Livent's purpose has never been more relevant. We are proud to partner with the world's most innovative companies to advance a cleaner, healthier and more sustainable future.

This 2019 Sustainability Report is our first as an independent company. It summarizes our work in 2019 across the Environmental, Social and Governance (ESG) spectrum and underscores how essential sustainability is to Livent's mission and operations. I am especially proud to highlight that we have exceeded or nearly achieved our 20 percent reduction targets for GHG emissions, energy, water and waste intensities—five years ahead of schedule. In addition to these achievements, in 2019 we made advancements in our programs for employee health and safety, diversity and inclusion and community engagement, especially in Argentina.

We are now in the process of setting a new direction for our sustainability program. Reflecting input from external and internal stakeholders, our new program is focused on the issues that are most material to Livent as one of the only fully integrated, pure-play lithium producers in the world.

We invite you to join us on our journey as we continue to develop and implement our sustainability strategy, and share our progress with you.

A handwritten signature in blue ink, appearing to read 'P. Graves'.

Sincerely,  
Paul Graves

# OUR COMPANY

Livent's purpose is to harness lithium technology to power people's lives for a cleaner, healthier and more sustainable world. As an enabler of the monumental shift to cleaner energy and the fight against climate change, sustainability is central to our mission and reflected in our core values.

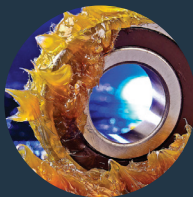
Sustainability is integrated across our operations and underpins our efforts to responsibly manage our impact on the environment and to have a positive impact on our workforce, the markets we serve, our supply chain and the community.

We take pride in being an active member in the communities in which we live and operate. We support and partner with our communities through a range of service activities, outreach, investments and charitable contributions.

## Core Values

- **Safety first:** We put safety at the forefront of everything we do.
- **Thrive with customers:** We listen to, learn from and work with our customers, knowing that we succeed only when our customers succeed.
- **Be responsible:** We act ethically and honestly to advance responsible and sustainable practices in all aspects of our business.
- **Constantly innovate:** We help move the world forward and strive to constantly innovate through agile thinking, our industry-leading material science expertise and an

# Company History



## 1950s

Partnered with 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 (sSBR) applications



1940

1950

1960

1970

1980

LiOH

## LiOH, Li<sub>2</sub>CO<sub>3</sub>, LiCl, Organometallics

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





## About Us

Livent's roots date back to the 1940s, when Lithium Corporation of America was formed in Minnesota and began partnering with the United States federal government to develop applications for lithium. In 1985, FMC Corporation (FMC) acquired Lithium Corporation of America and created FMC Lithium. In 2017, FMC announced the decision to spin off FMC Lithium as a separate publicly-traded company. In late 2018, Livent Corporation started trading on the New York Stock Exchange (NYSE: LTHM), and in March 2019, Livent announced its separation from FMC Corporation.

Livent has a legacy of innovating in the lithium space for almost eight decades. We have one of the industry's broadest lithium product portfolios, enabling sustainable innovations in modern mobility, energy storage and green materials. We also produce specialty lithium chemicals for applications in many other essential industries, including aerospace, pharmaceuticals, polymers, agrochemicals, electronics, water treatment, industrial greases, air treatment and dehumidification, medical devices, construction, metallurgy and defense.

What makes Livent unique is the low-cost and sustainable nature of our brine-based operations, our partnerships with leading battery producers and automotive original equipment manufacturers (OEMs), our continued investment in developing next-generation engineered lithium products and our diversified, worldwide network of operations.



**In 2019, Livent received a Silver Rating from EcoVadis for Corporate Social Responsibility, which places us among the top 30% of organizations evaluated by the firm.**

**1991**

Worked with Sony to develop first Lithium-Ion Batteries

**1995**

Completed first application of Lithium Hydroxide in nickel-rich cathode



**2007–2009**

Butyllithium sites opened in India and China



**OCT 2018**

Held IPO on the NYSE and changed company name to Livent

**1990**

**2000**

**2010**

**2018**

**Livent**

LiOH, Li<sub>2</sub>CO<sub>3</sub>, Butyllithium, Lithium Metals

**1985**

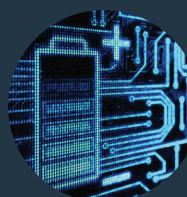
FMC acquired Lithium Corporation of America

**1996**

Opened sites in Argentina  
Ceased North Carolina mining operations  
Filed first patent for cathode technology

**2000**

Filed first patent for SLMP® technology in battery application



**2017**

Commenced Lithium Hydroxide production in Rugao, China

**2019**

Livent announced separation from FMC Corporation  
Filed first patent for Printable Lithium Technology





**“Livent is committed to being a responsible corporate citizen in all aspects of our business, worldwide.”**

**PAUL GRAVES, PRESIDENT & CHIEF EXECUTIVE OFFICER**



## Locations

Livent is a global company, with manufacturing/sourcing facilities in five countries and offices in seven countries. We extract lithium from brine from the Salar del Hombre Muerto, Argentina, one of the highest purity and most reliable sources of lithium in the world. The salar is located nearly 2.5 miles (4,200 meters) above sea level in the Andes Mountains, roughly 800 miles northwest of Buenos Aires.

We have been operating at the Salar del Hombre Muerto for more than 20 years, and have been producing lithium compounds for almost 80 years. Our operational history provides us with a deep understanding of the process to extract lithium compounds from brine safely and sustainably.

Our manufacturing and sourcing plants are located in:

- Bessemer City, North Carolina, United States
- Bromborough, United Kingdom
- Fénix, Catamarca, Argentina
- Güemes, Salta, Argentina
- Patancheru, India
- Rugao, China
- Zhangjiagang, China

## Products & Markets Served

We partner with our customers to understand and meet their unique needs in a rapidly changing economy. For customers at the forefront of transforming how the world powers itself, we are the lithium technology partner leading the way.

Our primary product and research lines include:

- Lithium Hydroxide and Lithium Carbonate for high-performance energy and specialty applications, including electric vehicles (EVs), electronic devices, power tools, green power storage and industrial greases
- Butyllithium for polymers, pharmaceuticals, agrochemicals and chemicals for applications in electronics
- High-purity lithium metal for primary batteries and light weight Aluminum-Lithium (Al-Li) alloys for aerospace applications
- Stabilized Lithium Metal Powder (SLMP®) for next generation advanced battery systems

The markets we serve include:

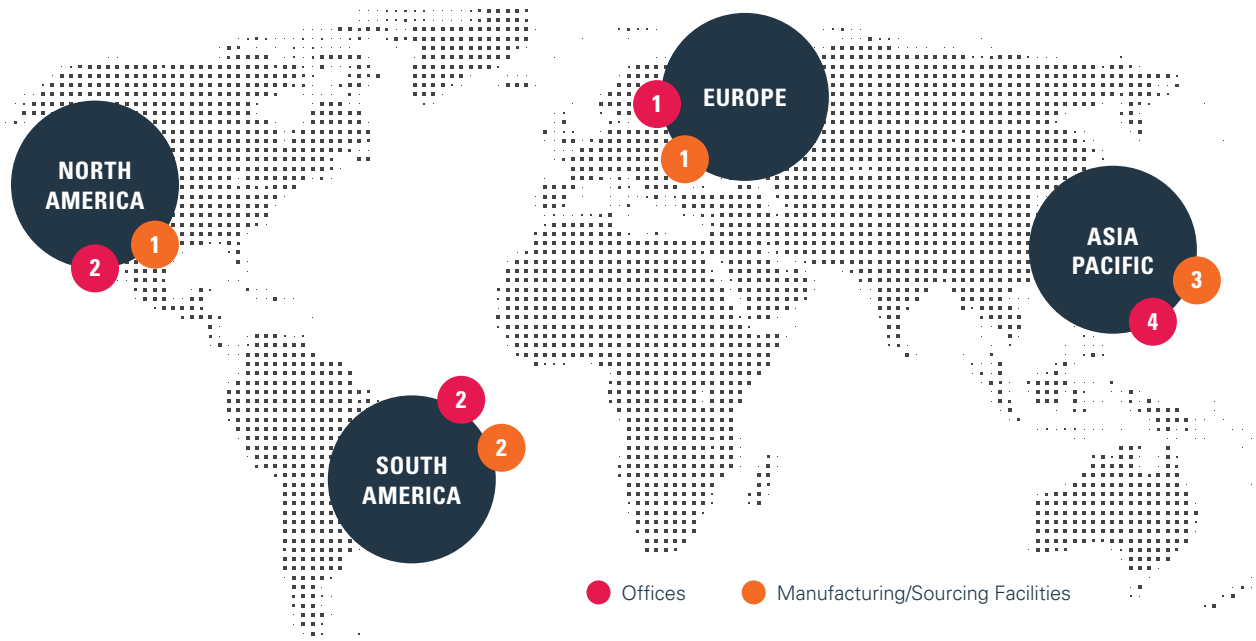
- Energy storage and battery systems
- Polymers
- Grease
- Aerospace
- Pharmaceuticals and agrochemicals
- Other industrial applications

## Stakeholders

Livent's success depends on having strong relationships with our stakeholders. We are committed to frequent and transparent two-way communications with all our stakeholders, remaining open to input and feedback to strengthen these critical relationships. Presently, our key stakeholders include:

- Communities
- Customers
- Employees
- Governments and regulatory authorities
- Investors
- Suppliers and business partners

We organized this report with our stakeholders top of mind to provide information on the topics of particular importance to each group.





# CREATING A NEW FOUNDATION

As a newly independent company, we understand the importance of establishing a sustainability strategy unique to Livent's business risks and opportunities.

In 2019, with the help of a third-party sustainability adviser, we conducted a Materiality Assessment to guide the development of our framework. Through the assessment, we systematically gathered evidence from our key internal and external stakeholders and sources to identify Livent's most salient ESG topics. The assessment results highlight Livent's most material topics to continue to monitor and manage. Please see our tier one material topics and definitions on pages 8 and 9.

In alignment with the world's leading sustainability reporting framework, the Global Reporting Initiative (GRI), we are currently reviewing and refining the governance and accountability structure for each of the topics listed above, building on the platform we inherited from Livent's former parent company, FMC Corporation. Further, Livent is undertaking a goal setting process to establish targets and key performance indicators for select topics.

As we continue to build out our sustainability program, under the direction of our global sustainability leader and our other business leaders, we will determine the best practice approaches—such as alignment with the United Nations Sustainable Development Goals—that support Livent's goals.

We are pleased to report that in early 2020, Livent became a participant of the United Nations Global Compact (UNGC), building on the relationship we established while part of FMC Corporation. Our renewed commitment to the UNGC demonstrates our continued support for the Ten Principles of the UNGC on human rights, labor, environment and anti-corruption.

## WE SUPPORT



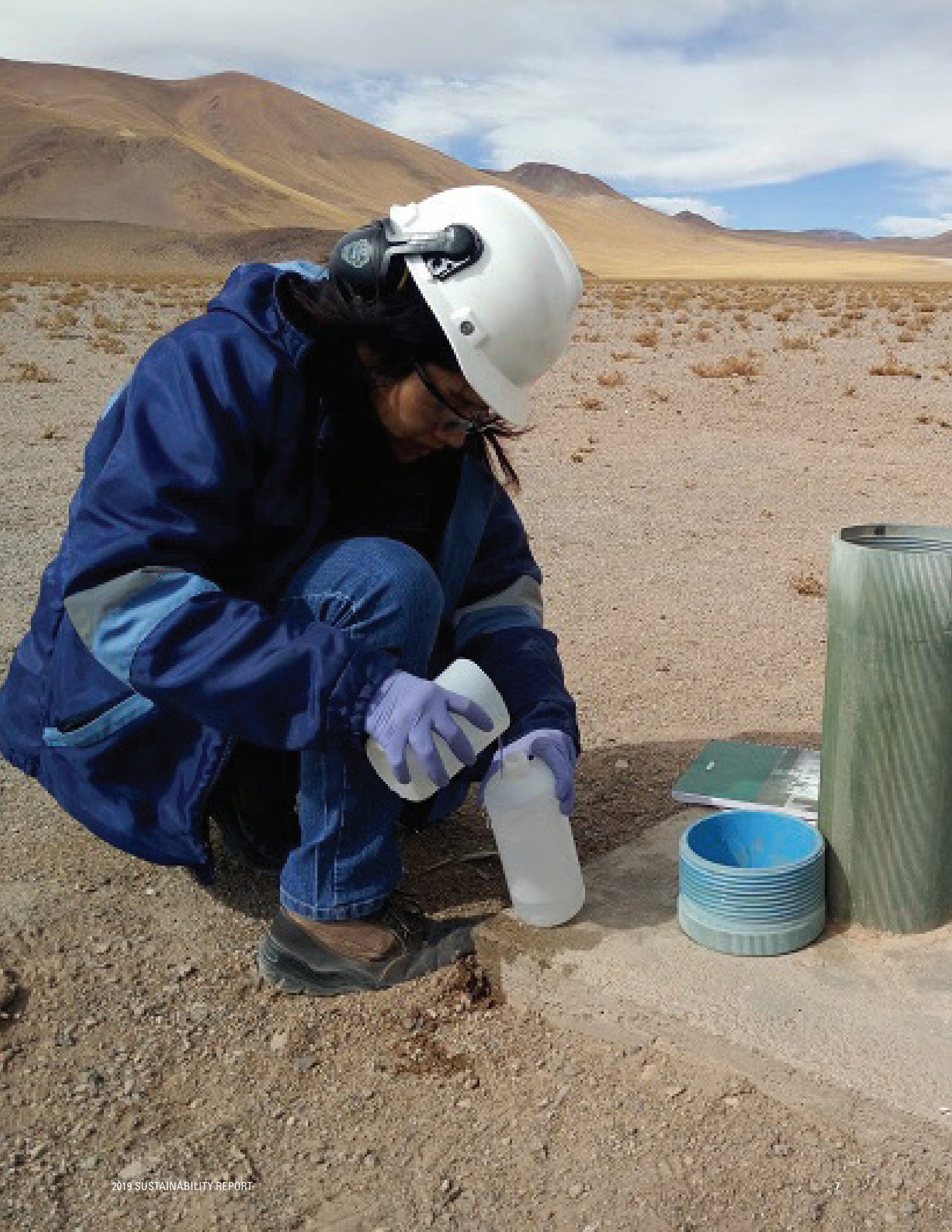
To better understand the environmental impact of Livent's Lithium Hydroxide product, we are undertaking a "cradle to gate" Life Cycle Assessment (LCA). We are working with an independent third party to conduct the assessment which is aligned with the ISO standards for LCA.

## Corporate Governance

We established our corporate governance structure to meet the needs of our stakeholders and create 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. In 2020, our Board comprises nine directors, headed by a non-executive Chairman. We maintain a diverse Board membership with varying backgrounds, skills, expertise and other differentiating personal characteristics, and carefully consider these traits when selecting new members. The Board has five committees including audit, compensation and organization, nominating and corporate governance, executive and sustainability. Each committee has an official charter and/or bylaws outlining duties, responsibilities and procedures. See our [website](#) for more information.

In 2018, Livent created the Board's sustainability committee which meets at least three times a year with our executive leadership team to discuss program direction and progress. The sustainability committee oversees all aspects of our sustainability efforts, including environmental performance, safety performance and corporate social responsibility (CSR) activities. Our sustainability program is overseen by our chief communications officer and head of global public affairs, one of our company executives, in close collaboration with other business leaders around the company and our operations and technology teams. We are proud to embed sustainability in the governing structure of our company and look forward to continuing to strengthen these systems.



Below, please find the definitions for Livent's most relevant ESG topics.

TOPIC NAME	DEFINITION
<b>Water use</b>	Includes Livent's efforts to responsibly manage water withdrawals and releases, and carefully monitor and manage impacts on water sources, biodiversity, ecosystems and local communities.
<b>Energy, emissions &amp; climate</b>	Includes Livent's efforts to decrease direct and indirect energy usage in operations, improve energy efficiency and source renewable energy. This includes efforts to reduce air emissions from operations, including greenhouse gas (Scope 1, 2 and 3) and others (NO <sub>x</sub> , SO <sub>x</sub> , VOCs); implement and track GHG emissions reduction initiatives; consideration of business risks and opportunities from a changing climate; and, scenario analyses across operations to better understand potential impacts.
<b>Effluents &amp; waste</b>	Includes Livent's efforts to reduce the amount of waste to landfill generated by operations through recycling, responsible waste disposal and other initiatives; responsibly manage discharge of toxic and hazardous waste; report spills and discuss response planning; protect soil and subsoil.
<b>Corporate governance</b>	Includes Livent's effort to maintain a system of rules, practices and policies by which a company is directed and controlled; promote ethical and sustainable corporate governance practices for the benefit of all stakeholders, including proxy access, board diversity, fair executive compensation and accountability.
<b>Ethics &amp; compliance</b>	Includes Livent's efforts to drive a culture of integrity that promotes ethical behavior through training, policies and compliance with our code of conduct, as well as relevant laws and regulations; enact management practices and policies to prevent corruption and bribery by our employees or our third-party vendors.





TOPIC NAME	DEFINITION
<b>Product lifecycle impact</b>	Includes Livent's efforts to adjust the design of products to reduce environmental impacts throughout their lifecycle; consider customer LCA and waste goals to help drive product development.
<b>Occupational health &amp; safety</b>	Includes Livent's efforts to provide safe working conditions and resources for workers' well-being; promote employee and contractor safety and well-being; enforce expectations of safe working conditions and resources within the supply chain.
<b>Indigenous peoples &amp; community impact</b>	Includes Livent's efforts to maintain respectful relationships with Indigenous peoples near company operations; actively communicate with and incorporate feedback from Indigenous communities; maintain a grievance mechanism system through which members of Indigenous communities can report concerns; help Indigenous peoples participate in Livent's success.
<b>Business continuity</b>	Includes Livent's efforts to understand business risks (e.g., in the supply chain) and develop potential responses to allow for the continued production and sale of products; monitor and respond to impacts from geopolitical uncertainty and events.
<b>Diversity &amp; inclusion</b>	Includes Livent's efforts to cultivate a company-wide culture of diversity, inclusion and non-discrimination in all people-related decisions; encourage the use of minority-owned vendors and suppliers as well as local businesses and talent based in the communities where the company operates.
<b>Human rights</b>	Includes Livent's efforts to protect human rights across our supply chain, communities and operations; respect human dignity by eliminating underage and forced labor and promoting fair working conditions.





# EMPLOYEES

**800**  
EMPLOYEES





## Occupational Health & Safety

Safety is Livent's highest priority and a core value. We pride ourselves on our proactive approach to identifying and addressing workplace risks and going above and beyond what is required by law.

Our commitment to safety can be seen in our 2019–2020 performance. As of March 2020, we exceeded 365 days with zero recordable injuries. We are proud of our employees and the way in which they take safety into their own hands in everything they do.

Livent's Environment Health and Safety (EHS) policy applies to all our facilities. Our global head of EHS oversees consistent implementation of our safety standards and ensures our employees fully understand and demonstrate the tenants of our EHS policy. In addition, our EHS teams regularly review health and safety data from all Livent facilities to assess trends and put forward corrective actions.

All seven of our manufacturing and sourcing sites are ISO certified. We will have all of our manufacturing sites certified to ISO 14001 and ISO 45001 under the same registrar by early 2021, allowing us to secure globally integrated certification.

## Employee Engagement & Development

Our employees are Livent's most valuable asset. The nature of our business requires we hire, retain and engage the best research scientists, engineers and technical salesforce in our industry. To attract and retain this top talent, we offer competitive pay and benefits, as well as Service Anniversary Awards to employees who reach key milestones. We focus on recognizing employees' exceptional work through our Going the Extra Mile (GEM) program. In addition to other performance-based incentive plans offered by the company, our GEM program identifies, celebrates and rewards employees and teams that go above and beyond in their work and best demonstrate Livent's values.

To engage our global workforce and promote transparency, we hold quarterly town hall meetings where employees can engage with our CEO and ask executives live questions. We also regularly host local town hall meetings where employees engage directly with senior leadership on the issues important to their facilities.

We continue to invest in our people through training and developing our employees to both retain talent and ensure that our people have the tools and skills they need to be successful. We offer on-the-job training opportunities to give individuals the hands-on experience they need to thrive in their role or transition to a different role. For example, our Engineering Development Program provides talented engineers the opportunity to hone their skills and advance their careers. The program offers mentorship and training on key engineering fundamentals and allows participants to lead projects at designated Livent manufacturing sites. We also have several apprenticeship programs in the UK and in Argentina as well as at our corporate headquarters in Philadelphia, including the CO-OP Program for undergraduate students from Drexel University and the LEAD Program for top high school students from underserved areas of the United States.

In late 2019, we launched Learning Committees at many of our locations to spearhead local learning initiatives like "Lunch n' Learns" on various topics ranging from Management Essentials to Excel fundamentals and lithium product safety. As part of this initiative, we began rolling out a global Learning Center intranet resource to support our culture of continuous learning and improvement.

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**In June 2019, the Chemical Industries Association (CIA) awarded Livent's UK team the Health Leadership Award. The award recognizes companies that display sustained, demonstrable excellence in employee health, well-being and safety.**

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## Diversity & Inclusion

We provide a safe and inclusive workplace where all employees can feel comfortable bringing their authentic selves to work. Livent knows that embracing diversity and inclusion is good for people and for business. When employees feel safe to bring their whole selves to work they are empowered to do their best and share ideas. Diverse teams provide innovative solutions through the merging of various perspectives.

Our commitment to diversity starts at the top of our organization. As of early 2020, two of our nine directors on the Board are women, in addition to four of our nine executives. To further cultivate diversity and inclusion at Livent, in 2017, we launched a Diversity and Inclusion Leadership Program.

In 2019, we established a baseline of diversity data and are committed to expanding the way in which we track and use data to make people-related decisions across our business. We are especially proud of the progress we have made over the past few years in hiring local talent from the communities where we operate, including a 47 percent year-over-year increase in 2019 in the number of employees from Catamarca province in Argentina.



## Ethics & Compliance

Ethical business conduct is core to who we are and how we work. We commit to acting with honesty, integrity and in full compliance with the law. We believe upholding these commitments is essential to running our business well, building a trusted brand and simply doing the right thing.

### Code of Ethics and Business Conduct

The Livent Code of Ethics and Business Conduct ("The Code") establishes company-wide standards which guide our daily activities and business decisions. The Code applies to Livent Corporation, its subsidiaries, affiliates, joint ventures and all other entities that in each case are directly or indirectly controlled or managed by Livent; the employees and directors of these entities (to the extent applicable to their work for Livent); and suppliers and contractors in their work on behalf of Livent. Topics covered in the Code include, but are not limited to, 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 require new employees to complete a training on the Code, and all employees to participate in a mandatory annual refresher course.

### Supplier Code of Conduct

Livent has equally high standards for the way our suppliers conduct business in the areas of social and environmental responsibility. We expect our suppliers to conduct their business with similar standards of integrity and ethical behavior. To accomplish this goal, we have created a Supplier Code of Conduct which is based on our overall Code of Conduct. Our contracts explicitly require our suppliers to abide by the Code. We also expect that our suppliers will take reasonable measures to ensure that their suppliers and subcontractors act in accordance with this Supplier Code of Conduct.

### Reporting

We have 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. Livent commits to protecting anyone who reports an ethics concern, anonymously or otherwise, from retaliation.

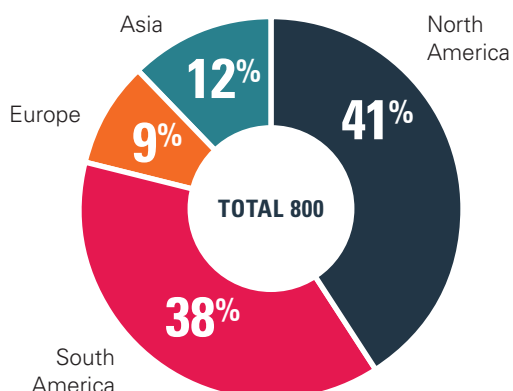
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**To demonstrate Livent's support for gender equality and show our appreciation for the women in our workforce, we were proud to celebrate International Women's Day 2020 across all of our locations worldwide. #EachforEqual**

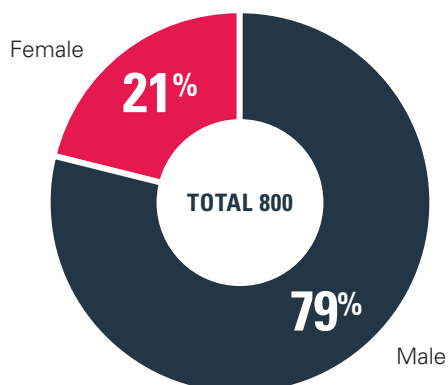
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# 2019 Employee Metrics

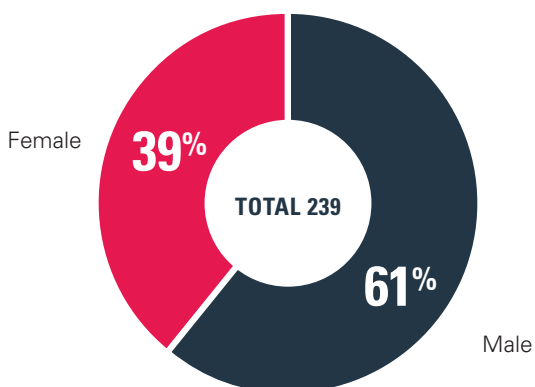
## EMPLOYEES BY REGION



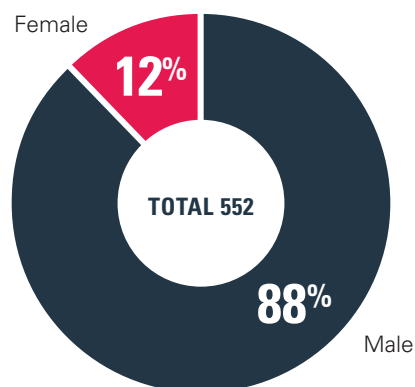
## ALL EMPLOYEES



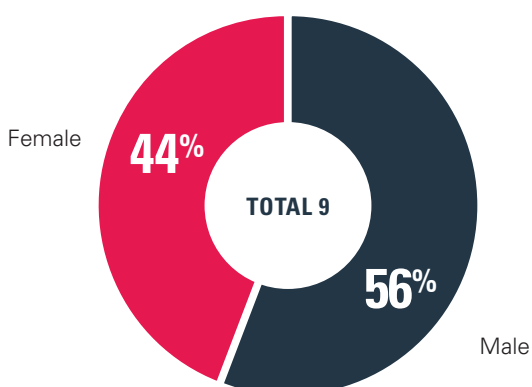
## PROFESSIONAL EMPLOYEES<sup>1</sup>



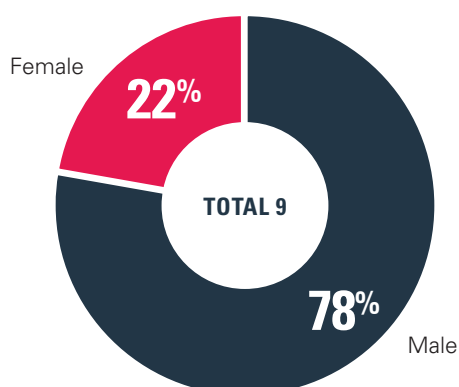
## OPERATIONS EMPLOYEES<sup>3</sup>



## EXECUTIVES<sup>2</sup>



## BOARD OF DIRECTORS (2020)



<sup>1</sup> Non-manufacturing staff identified by Livent job classifications, Distribution, Engineering, Finance, Human Resources, Information Technology, Legal, Marketing, Research & Development

<sup>2</sup> Designated officers of the company

<sup>3</sup> All manufacturing staff identified by Livent job classifications, Administrative, Communications, Customer Service, Health, Safety, Environment, Manufacturing Hourly, Manufacturing Management, Quality, Regulatory/Registration, Sales and Site Services



# CUSTOMERS

NEARLY  
**50**  
PRODUCT  
PATENTS





## Meeting Customer Needs

Livent is proud to support a customer base which is on the leading edge of the low-carbon energy transition to the industries of tomorrow, from electric cars to green energy grids.

We are frequently called upon to produce performance lithium compounds to meet specific customer application and performance requirements. Our close partnership with customers provides us first-hand insight into customer production objectives and future needs, which we use to drive innovation of our processes and products.

## Product Lifecycle Impact & Climate Change

We believe private industry plays a critical role in curbing the impacts of climate change and providing solutions to enable a low-carbon economy. Our technologies and applications contribute to our customers revolutionizing their product lines and markets. We are helping change the energy landscape and addressing climate change by providing the highest quality lithium products.

Through Livent's high-quality lithium, we produce a range of products that help customers and consumers achieve their own sustainability goals. Common applications include:

- Lithium Hydroxide and Lithium Carbonate, which are critical to the production of energy-dense and long-lasting batteries increasingly used in EVs and for storing renewable energy for the grid.
- High purity lithium metal primed to power the next generation of EV batteries and advanced energy storage applications.
- n-Butyllithium, which contributes to polymer chain creation, an important input for tires that promote better fuel efficiency and lighter interior materials.
- Lithium metal creates lighter and stronger alloys which serve as the structure for planes and rockets.

These examples highlight the myriad of ways in which our products help increase efficiency and longevity while reducing the environmental impacts of the end product.

In late 2019, we began a cradle to gate lifecycle impact assessment of Livent's Lithium Hydroxide product. This marks an important step in our journey to understand the full impact of our products from extraction to end use. Having this understanding will allow Livent to pinpoint areas in our value chain where we can further reduce our environmental impact and continue to deliver the best value to our customers.

As end market application technologies evolve, we work closely with our customers to understand their changing performance requirements and develop products to best address their needs. We believe the evolution of battery technology will lead to the adoption of lithium-based applications within the battery. This evolution will require the production of new forms of lithium, such as new lithium metal powders or printable lithium products. Livent will continue to partner with our customers on research and development efforts to help create products necessary to accelerate the transition to EVs and a more sustainable future.

## Business Continuity

Livent is a global company, with facilities dispersed across four continents. Due to the nature of our business and the location of our customers, Livent has a geographically dispersed value chain. To ensure Livent is able to meet the needs of our customers, we have a corporate business continuity plan, as well as site-specific continuity plans which are consistently updated. We activated our business continuity plan in stages, beginning in February 2020, in response to the global spread of the novel coronavirus COVID-19.





# COMMUNITIES & GOVERNMENT RELATIONS

**218,520**  
TRAINING HOURS  
in Mining Process  
techniques in  
Catamarca, Argentina



# Giving Back to Local Communities

At Livent, we believe that we are only as successful as the communities in which we work and live. Livent is committed to the protection and advancement of human rights around the world — and making a positive impact in the community, especially our communities in Argentina. This commitment is reflected in the CSR portion of our Sustainability Program. We support our communities around the world through a range of activities, including philanthropic giving, employee volunteerism, infrastructure development and local capacity building.



## UNITED STATES

- United Way volunteer program and regional fundraising
- Philadelphia Pride Parade
- LEAD program for top high school students from underserved areas
- Habitat for Humanity regional programs
- STEM and nutritional program support for Gaston County Schools, NC

## ARGENTINA

- Salar del Hombre Muerto Water Trust
- Health and nutrition programs
- Education and employability programs
- Good neighbors programs

## CHINA

- International Women's Day celebration and service activities
- Safety Day for employees and families

## INDIA

- Family Day celebration
- School supplies and financial support for local schools

## UNITED KINGDOM

- Fundraising for Claire House Children's Hospice
- March for Men 10k (prostate cancer)
- MacMillan Cancer Support fundraising



## Community Impact & Indigenous Peoples

Our commitment to build and retain respectful relationships with local communities and Indigenous peoples starts at the top of our organization. The Sustainability Committee of Livent's Board of Directors provides input on the company's approach to community engagement. Our chief communications officer and head of global public affairs is part of Livent's executive leadership team and oversees our engagement with communities and Indigenous peoples. Our executive team members personally visit and engage with local Indigenous chiefs and community leaders. Livent strives to understand the unique perspective and needs of the Indigenous community near our extraction facility in Argentina, and incorporate their feedback into our operational approach.

The Salar del Hombre Muerto is located at high altitude in a very remote area, with a small number of people who reside several miles away from our nearby Fénix facility.

We stay in close communication with this small community because they are our neighbors. We send teams daily to visit the residents and often bring food, other essential supplies and medical personnel.

Additionally, in partnership with the Province of Catamarca, Argentina, we established the Salar del Hombre Muerto Trust Fund ("the Water Trust") in October 2015 and amended it in 2018. Livent contributes a portion of the revenues from our operations in Argentina to the Water Trust, which funds infrastructure projects for the benefit of the community in Catamarca. The Water Trust is managed by a committee made of representatives appointed by local government officials from Catamarca and Livent. Some of the completed projects funded by the Water Trust include:

- The construction of an antenna to provide internet access
- The development of a photovoltaic park for Antofagasta de la Sierra, and one for Antofalla
- The introduction of a sewage system for Antofagasta de la Sierra

Livent determines local needs through active engagement with community members. Additional projects are currently under consideration.

We also support our communities in Argentina by employing local workers. We are proud to employ over 100 residents from the Catamarca province at our Fénix facilities. To further build local capacity, we offer job training and university scholarships to Catamarcan residents who do not work for Livent. Some of the job training we offer include assistant operator for mining processes and mining processes techniques.

Globally, each Livent facility runs its own community engagement activities based on employee understanding of local needs. With support from company leadership, employees collaborate to select which local organizations to help with philanthropic contributions or by volunteering their time. Community engagement activities across Livent focus on promoting safety, STEM (science, technology, engineering and mathematics) education, health and nutrition and poverty alleviation.



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**Livent has donated more than US \$6 million in completed and approved infrastructure projects to directly benefit the community in Catamarca, Argentina.**

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## Government Relations

As a global company, it is integral that Livent builds transparent and ethical relationships with the governments in the places where we have operations. We commit to fully comply with all rules and regulations in the countries where we work.

Our chief communications officer and head of global public affairs is responsible for establishing and maintaining relationships with government officials in the places where Livent operates. We proactively engage with country, state and local governments and carefully adhere to applicable regulations. Our company-wide [Code of Ethics and Business Conduct](#) explains our standardized approach to ethical and honest interactions with government officials and employees. Working closely with various governing bodies gives Livent the opportunity to ensure we are accurately adhering to rules and regulations and transparently reporting our business activities with an important stakeholder.

## Human Rights & Responsible Sourcing

Livent is committed to the protection and advancement of human rights for everyone, everywhere. To better monitor and enforce our social management policies, we have begun the process of implementing the ISO 26000 guidelines.

Our [Human Rights Policy](#) embeds the responsibility to respect human rights throughout our global business. 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.

As part of our Supplier Code of Conduct, we expect our suppliers and contractors to adhere to our Human Rights Policy in the work they do with Livent and in their own operations. We remain committed to sourcing components and materials from companies that share our values regarding respect for human rights, integrity and environmental responsibility.

Because the suppliers we work with are vital to ensuring a responsible supply chain, Livent has a formal Supplier Selection and Approval Process. It involves the screening of all new significant contractors and raw material suppliers for their adherence to quality, safety, human rights standards and sustainability. This program is vital to our ability to manage and mitigate supplier risk. We track and report compliance with this process through select Key Performance Indicators (KPIs). We provide annual Supplier Selection and Approval Process training to the employees in Livent's Global Procurement Group.

Livent is also committed to complying with Section 1502 of the Dodd-Frank Act, which aims to prevent 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. We require all suppliers to commit to avoiding conflict minerals and, if necessary, to source 3TGs only from conflict-free smelters. The Livent Conflict Mineral Statement is available on [our website](#).

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**Livent is committed to the protection and advancement of human rights for everyone, everywhere.**

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# ENVIRONMENT

**20%**  
REDUCTION  
GOALS BY 2025  
(compared to  
2013 baselines)





# Environmental Management

Responsible stewardship of the environment is essential to our work. We continually look for ways to improve the efficiency of our systems to best conserve natural resources. We also carefully monitor our emissions and waste to protect surrounding communities and the environment. Our sustainability policies, which can be found on [our website](#), set a company-wide standard for managing the environmental impacts of our operations.

When Livent became independent, we carried over legacy goals as part of FMC to reduce our greenhouse gas (GHG) emissions intensity, energy intensity, water intensity and waste intensity 20 percent by the year 2025, compared to 2013 baselines. We have exceeded or nearly achieved this target across the board, five years ahead of schedule.

## Water

Livent recognizes how important access to clean water is to both people and the planet. We consider access to water a human right. We maintain a commitment to adhere to all regulations regarding water use and procuring the appropriate water permits to support our operations.

Responsible management of water is important at all of our facilities, but it is particularly important to our operations in Argentina. We draw lithium-rich brine from the Salar del Hombre Muerto in the Catamarca Province of Argentina, one of the highest purity and most reliable sources of lithium in the world.

Even though the Salar del Hombre Muerto is located in an arid area, at high altitude, it is in a self-contained water basin that is fed by an expansive watershed. A large volume of fresh water, about 210 million cubic meters, comes into the basin every year through inflows 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 intercepts less than 1.5 percent of the 210 million cubic meters of water that flows into the basin.

To extract lithium from brine, we use a proprietary Direct Lithium Extraction (DLE) process, known as Selective Adsorption (SA), which takes in freshwater and uses it to separate lithium from brine. SA technology speeds up the concentration process and reduces the need for large pre-concentration evaporation ponds commonly used by conventional brine-based lithium producers. Conventional pond strings for minerals extraction require a large land footprint and may increase the evaporative loss of water from the local ecosystem. Livent's physical footprint is significantly lower than that of conventional brine-based lithium producers. We are currently in the process of further reducing our overall land use by decommissioning our relatively small number of remaining evaporation ponds.

Our current production in Argentina utilizes water from the Trapiche aquifer. We utilize a comprehensive approach to manage and record parameters such as water flows, chemical transport and salinity to ensure we use water resources sustainably. In addition to our in-house expertise, Livent has a long-term partnership with a well-known geology firm to conduct extensive modeling of both the freshwater aquifer and the Salar. The modeling ensures we draw brine and water at sustainable rates that do not interfere with the natural equilibrium of the Salar.

Our processes return a significant portion of the brine we use back to the Salar, free from any contaminants or solvents, and without altering the pH of the brine. Our processes also do not add to the natural rate of evaporation in the Salar basin, minimizing our overall impact on the local ecosystem.

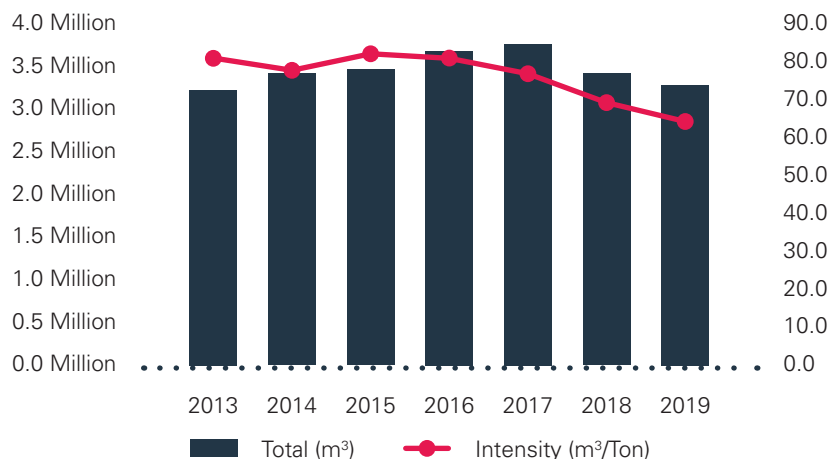
We will continue to work closely with our third-party geology partner as we expand our operations in Argentina to ensure we minimize our future impacts. We plan to use a secondary water source, the Los Patos River, for our expansion. This would reduce our reliance on the Trapiche aquifer. We have already installed monitoring wells on both of these water sources to track water levels, recharge rate and water chemistry to ensure we are using water in a sustainable manner. The government of Catamarca has also conducted extensive environmental reviews of our current water use and expansion plan with the help of independent third parties.

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**Livent is the only lithium producer in the world with a successful, multi-decade track record of using a DLE technology process on a commercial scale.**

**No solvents or hazardous chemicals are introduced to the environment as part of Livent's process.**

## WATER<sup>1</sup>



**19.8%**  
REDUCTION  
FROM 2013  
BASELINE

## Biodiversity

In addition to our water management activities, 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 in the Salar del Hombre Muerto and requires a unique approach to biodiversity management. This mountain ecosystem is home to diverse flora and fauna which have adapted to life in extreme environmental conditions. To best protect the existing ecosystem at our facility in Argentina, we regularly conduct studies with third-party specialists to monitor the variety and abundance of local plant and animal species, watershed properties and limnology. The results of our 2017 study showed plant species variety and abundance were consistent with previous studies while the spectrum of animal species had increased, including nine additional bird species compared to a 2009 baseline.

## Operational Impacts

Through our sustainability program, which is managed by our global sustainability leader in partnership with our other business leaders, we oversee the company's efforts to reduce energy use, operational emissions and the generation of waste at facilities around the globe. Our company-wide performance targets drive site-specific programs, tailored to local facilities and activities. As Livent has grown over the past several years, we focused on increasing production capacity while making significant progress in reducing our environmental impacts and resource consumption.

When Livent became an independent company, we decided to maintain the 2025 environmental targets we had set years ago as part of FMC.

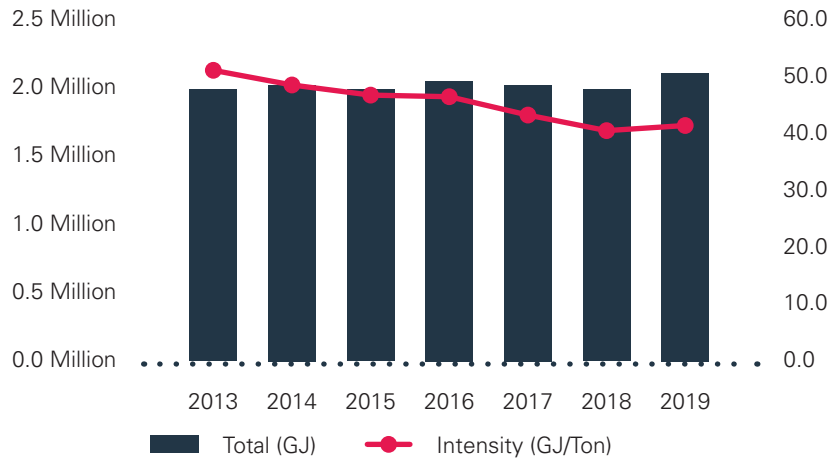
The targets aim to reduce GHG emissions intensity, energy intensity, water intensity and waste intensity 20 percent by 2025, compared to a 2013 baseline. We have exceeded or nearly achieved this 20 percent target across the board by the end of 2019, which is five years ahead of schedule. We are proud of our efforts to meet these goals and we look forward to setting new goals in 2020 to further improve our environmental performance.

In 2019, our Fénix plant accounted for the greatest proportion of total Livent energy consumption. An increase in our overall energy use in 2019 was due to the addition of two SA columns at the Fenix facility. As a result, energy intensity also increased slightly in 2019.

We have reduced our waste intensity by 40 percent compared to our baseline year of 2013. We continue to look for ways to minimize waste streams from all parts of our value chain and maximize opportunities to reuse byproducts.

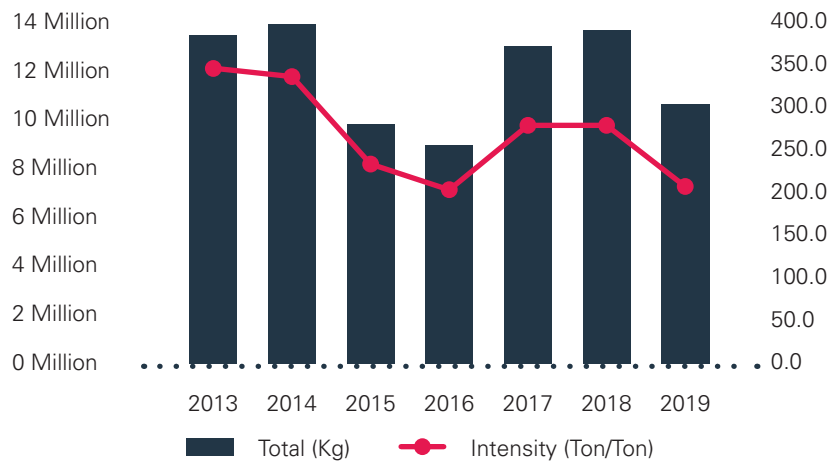
<sup>1</sup> When Livent was part of FMC Corporation, it reported data on "High Risk Water," which only included water use in Argentina, China and India. Going forward, the company will report total water use across all of its global operations and, as appropriate, provide location-specific data.

## ENERGY



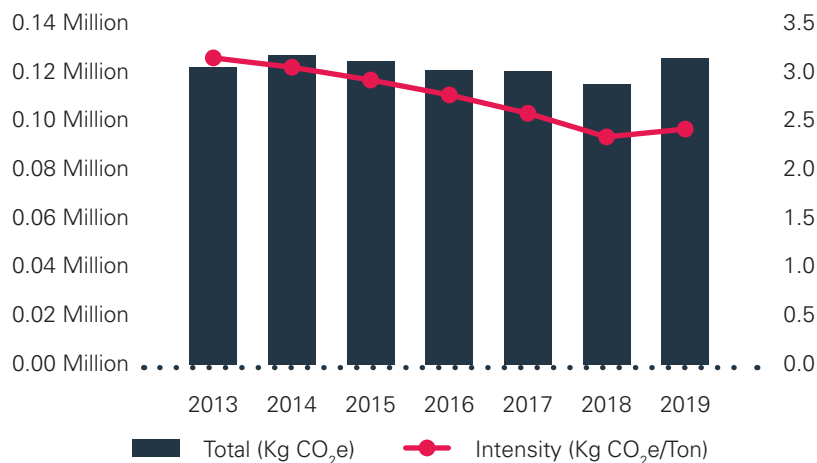
**19%**  
REDUCTION  
FROM 2013  
BASELINE

## WASTE DISPOSED



**40%**  
REDUCTION  
FROM 2013  
BASELINE

## GHG EMISSIONS



**23%**  
REDUCTION  
FROM 2013  
BASELINE



# ESG PERFORMANCE METRICS

		METRICS	FY 2019	FY 2018	FY 2017
ENVIRONMENT <sup>1</sup>					
Manufacturing and Sourcing Sites	Number of Livent manufacturing sites	#	6	6	6
	Number of sourcing partner sites	#	1	1	1
	ISO certified sites (Livent manufacturing and sourcing sites)	#	7	7	7
Emissions	Total GHG emissions	kg CO <sub>2</sub> e	124,390	113,028	118,851
	GHG emissions intensity	kg CO <sub>2</sub> e/Product ton produced	2.4	2.3	2.5
Energy	Total energy consumption	GJ	2,094,067	1,968,431	2,003,546
	Energy intensity	GJ/Product ton produced	41.1	39.9	43.0
Water <sup>2</sup>	Total water	m <sup>3</sup>	3,263,712	3,398,920	3,712,114
	Water intensity	m <sup>3</sup> /Product ton produced	64.0	68.8	76.5
Waste	Total waste	kg	10,519,440	13,531,219	12,837,443
	Total waste disposed intensity	ton/Product ton produced	206.3	274.4	275.3

		METRICS	FY 2019	FY 2018	FY 2017
SOCIAL					
Employee Composition	Number of employees	#	800	Data was included in FMC Corporation aggregate data in 2018 and 2017 and was not reported separately for the lithium business.	
	Employees by region – North America	%	41		
	Employees by region – South America	%	38		
	Employees by region – Asia	%	12		
	Employees by region – Europe	%	9		
Diversity <sup>3</sup>	Women in workforce	%	21	Data was included in FMC Corporation aggregate data in 2018 and 2017 and was not reported separately for the lithium business.	
	Men in Workforce	%	79		
	Women in executive positions	%	44		
	Men in executive positions	%	56		
	Women in professional positions <sup>4</sup>	%	39		
	Men in professional positions <sup>4</sup>	%	61		
	Women in operations positions <sup>5</sup>	%	12		
	Men in operations positions <sup>5</sup>	%	88		
Safety <sup>6</sup>	First aid injuries <sup>7</sup>	#	17	15	22
	First aid injury rate <sup>7</sup>	# of first aid injuries per 200,000 hours	1.78	1.83	2.95
	Recordable injuries/illnesses	#	1	4	2
	Recordable injury/illness rate	# of injuries/illnesses per 200,000 hours	0.11	0.49	0.27
	Fatalities and permanent disabilities – total	#	0	0	0
	Loss of Primary Containment Category 1 Incidents <sup>8</sup>	#	0	0	0
	Loss of Primary Containment Category 2 Incidents <sup>9</sup>	#	1	3	1
	Loss of Primary Containment Category 3 Incidents <sup>10</sup>	#	162	288	146
	Notices of violation (regulatory)	#	0	2	3
Community	Community Investments in Catamarca for Health, Nutrition, Training and Employability Programs	AR\$	53,760,143	12,787,952	7,178,437
	Total Spend in Catamarca to Support the Local Economy	AR\$	3,271,000,000	491,658,139	64,600,034

		METRICS	FY 2019	FY 2018	FY 2017
GOVERNANCE <sup>11</sup>					
Board Structure	Size of the Board	#	7		
	Independent or Non Executive Directors on Board	#	6		
	CEO Duality	Y/N	N		
	Women on Board	#	1		
	Women on Board	%	14		
	Board Meeting Attendance %	%	75%+		
Audit Committee	Size of Audit Committee	#	3		
	Independent or Non Executive Directors on Audit Committee	#	3		
	Independent or Non Executive Directors on Audit Committee	%	100		
	Independent or Non Executive Audit Committee Chairperson	Y/N	Y		
Compensation Committee	Size of Compensation and Organization Committee	#	3		
	Independent or Non Executive Directors on Compensation Committee	#	3		
	Independent or Non Executive Directors on Compensation Committee	%	100		
	Independent or Non Executive Compensation Committee Chairperson	Y/N	Y		
Nomination Committee	Size of Nomination and Corporate Governance Committee	#	3		
	Independent or Non Executive Directors on Nominating Committee	#	3		
	Independent or Non Executive Directors on Nominating Committee	%	100		
	Independent or Non Executive Nominating Committee Chairperson	Y/N	Y		
CSR/Sustainability Committee	CSR/Sustainability Committee	Y/N	Y		
	Size of CSR/Sustainability Committee	#	3		
	Independent or Non Executive Directors on CSR/Sustainability Committee	#	3		
	Independent or Non Executive Directors on CSR/Sustainability Committee	%	100		
	Independent or Non Executive CSR/Sustainability Committee Chairperson	Y/N	Y		

Governed by the  
FMC Corporation Board  
in 2018 and 2017



		METRICS	FY 2019	FY 2018	FY 2017
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 and 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
	UN Global Compact Signatory/Participant	Y/N	Y <sup>12</sup>	Y	Y

\*On October 11, 2018, Livent Corporation (NYSE: LTHM) started trading on the NYSE after its IPO. On March 1, 2019, Livent Corporation announced complete separation from FMC. This table reflects data from Livent operations collected as of year-end 2019.

<sup>1</sup> 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.

<sup>2</sup> When Livent was part of FMC Corporation, it reported data on "High Risk Water," which only included water use in Argentina, China and India, of which 99% was in Argentina. Going forward, the company will report total water use across all of its global operations and, as appropriate, provide location-specific data in individual product life cycle assessments.

<sup>3</sup> The Livent HR team began tracking diversity metrics in 2019 and does not have historic data to share for 2018 and 2017, when Livent was a business unit of FMC Corporation.

<sup>4</sup> We define professional positions as non-manufacturing staff identified by Livent job classifications: Distribution, Engineering, Finance, Human Resources, Information Technology, Legal, Marketing, and Research and Development.

<sup>5</sup> We define operational positions as all manufacturing staff identified by Livent job classifications: Administrative, Communications, Customer Service, Health, Safety, Environment, Manufacturing Hourly, Manufacturing Management, Quality, Regulatory/Registration, Sales and Site Services.

<sup>6</sup> Safety data covers all Livent facilities (manufacturing and non-manufacturing).

<sup>7</sup> First aid refers to work-related injuries or illnesses for which the individual received basic medical attention on-site.

<sup>8</sup> 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.

<sup>9</sup> A Loss of Primary Containment Category 2 Event results in one or more of the following: OSHA Recordable Injury; allegations of offsite injury; any offsite damage, impact or event causing an inconvenience to the public; any report required to or from the regulatory agencies based on permits or regulations applicable to the site (except courtesy calls); any external complaint to site management, media or community organization; or any adverse coverage in media.

<sup>10</sup> A Loss of Primary Containment Category 3 Event refers to: any other process related fire, explosion or acute release of material or energy for which there was a loss of material that could harm people, property, environment or business.

<sup>11</sup> Livent announced complete separation from FMC on March 1, 2019. For years 2018 and 2017 Livent was still governed by the FMC Board of Directors. The Livent Board added two additional members in early 2020, including one additional woman, bringing the total number of current Board members to nine. Also, in all references to "Independent or Non Executive" Directors of the Board, we base the determination of "Independent" on the rules of the NYSE, and "Non Executive" is defined as not being a member of the executive management team of Livent.

<sup>12</sup> 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.

