



Edwards

2021

Environment, Health and Safety Report



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Cover and photos above:

In 2021, Edwards opened our newest manufacturing plant in Limerick, Ireland. The facility operates on 100% renewable electricity and is LEED Gold certified, and zero waste-to-landfill.

EHS at Edwards

Edwards Lifesciences (Edwards) is the global leader in patient focused medical innovations for structural heart disease, as well as critical care and surgical monitoring. Driven by a passion to help patients, our company collaborates with the world's leading clinicians and researchers to address healthcare needs, working to improve patient outcomes and enhance lives.

Headquartered in Irvine, California, Edwards treats advanced cardiovascular disease with its life saving innovations, which are sold in approximately 100 countries. Many of our company's products are considered industry gold standards and over 95% percent of our sales are from products in leading market positions. Edwards has manufacturing operations in North America, Central America, Europe, Singapore, and the Caribbean and numerous regional and administrative offices around the world.

At Edwards, we are guided by our Credo which states, "through our actions, we will become trusted partners with customers, colleagues, and patients – creating a community unified in its mission to improve the quality of life around the world." Achieving safe, healthy, and environmentally responsible operations is an essential part of this philosophy. Strong EHS programs promote employee engagement and satisfaction, strengthen our relationships with the communities in which we operate and allow us to meet and exceed the expectations of our stakeholders.

Our Environment, Health & Safety (EHS) Policy provides an overall statement for Edwards Lifesciences global commitment and vision for ensuring a safe and healthy workplace, environmental excellence, and conformance to regulatory and industry standards in our mission to provide life-saving medical device products to our patients.

Our 2021 EHS Report

Edwards is pleased to present our 2021 Environment, Health & Safety (EHS) Report covering the period from January 1st to December 31st, 2021. This report supplements the [2021 Edwards Sustainability Report](#) and reflects our progress towards meeting our EHS targets and EHS Policy commitments.

Materiality

In 2019, Edwards conducted a refresh of our materiality assessment in order to understand any changing priorities in environmental, social and governance (ESG) topics since our first materiality assessment in 2016. This 2019 assessment

Environment, Health & Safety Policy

At Edwards Lifesciences, we recognize that safe and environmentally responsible operations bring shared value to our patients, our employees, our stakeholders, and the communities in which we operate.

We are committed to providing a safe and healthy workplace by identifying and controlling hazards and risks, minimizing our impact on the environment through pollution prevention efforts, and operating in compliance with legal requirements and applicable standards. Through a culture of engagement & ownership, we will set goals and communicate our progress on a journey of continual improvement.

continues through 2021 as the tool to help us identify our most salient opportunities and risks associated with our sustainability program, including EHS-related topics of Climate Risk, Energy & Emissions, Product Lifecycle, Waste, Water, Environmental Compliance, and Workplace Health & Safety.

More information on the 2019 materiality assessment, including a description of the methodology used to conduct the assessment, can be found in our [2019 Edwards Sustainability Report](#).

Changes in 2021

In 2021, despite challenges presented by COVID-19 and the global supply chain crisis, Edwards continued to successfully grow in revenue, headcount, real estate, product innovation, and manufacturing output.

We identified the following changes in our business operations over the past year which have had an impact on our EHS and sustainability reporting:

- Revenue increased about 19% year over year to \$5.23 billion
- Facility square-footage increased 23% to 3,618,215 ft².
- Global headcount grew 7.5% to 16,225 employees.

- Our Limerick, Ireland plant officially came online and is Edwards' first LEED Gold, and zero waste-to-landfill manufacturing facility.
- We continued our extensive expansion to our Irvine headquarters, including the completion of our new LEED Platinum Entry Pavilion, LEED Gold Dream Big Complex (PODs 1-5), and LEED Gold Café & Conference Center.
- A comprehensive Scope 3 emissions study was completed the results have been incorporated into this year's EHS Report.
- Scope 1 greenhouse gas emissions for the 2021 reporting year were adjusted to include greenhouse gas emissions from company-provided transportation. Previously, these emissions had been reported under Scope 3.



Limerick, Ireland manufacturing plant ribbon-cutting in October 2021

EHS Targets

Edwards' EHS targets are closely aligned with our corporate aspirations and are intended to address topics of greatest importance to Edwards and its stakeholders. Annually, we reevaluate our goals to ensure that they remain relevant and ambitious.

As we pursue our patient-focused innovation strategy, Edwards understands the importance of addressing climate change and is committed to driving a meaningful reduction in our greenhouse gas (GHG) emissions. This year we are pleased to announce a new goal to achieve carbon neutrality by the year 2030 and a commitment to set and achieve SBTi-recognized reduction targets for both our Scope 1/2 and Scope 3 GHG emissions.



Rooftop view from our new LEED-certified Café & Conference Center in Irvine, California.

Our EHS Targets



Carbon neutral by 2030 and 1.5°C science-based targets ¹



10% reduction in waste generation intensity by 2025 ^{2,3}



10% reduction in water withdrawal intensity by 2025 ^{2,3}



ISO 14001 & 45001 certification at all manufacturing plants



35% reduction in recordable incident rate by 2025 ²

¹ Includes commitment to set and achieve SBTi-recognized Scope 1/2 and Scope 3 science-based targets

² 2020 baseline year

³ Waste and water targets were achieved in 2021; new targets currently under evaluation

EHS Management System

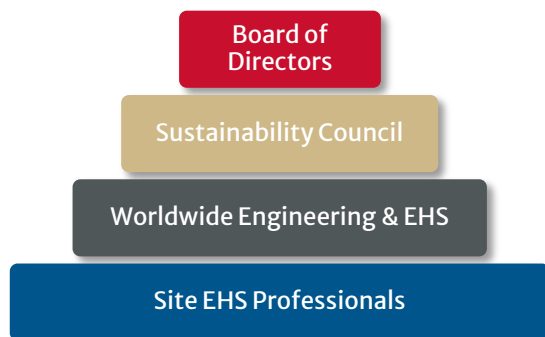
The Edwards EHS Management System aligns with the ISO 14001:2015 and ISO 45001:2018 management system principles of the Plan-Do-Check-Act cycle and continual improvement. Critical elements of our EHS Management System include:

- Establishing an Edwards EHS Policy rooted in our Credo and Aspirations
- Demonstrating leadership commitment to EHS
- Identifying significant risks, opportunities, environmental impacts and health and safety hazards
- Adopting EHS objectives at both corporate and manufacturing plant-levels
- Establishing and implementing systems to maintain compliance, prevent injuries and reduce pollution
- Executing EHS programs, processes, and operational controls
- Evaluating performance through internal and third-party audits and management reviews
- Identifying and executing continual improvement opportunities

Governance

The Compensation and Governance Committee of our Board of Directors has oversight over Edwards' sustainability efforts and periodically reviews reports on our progress. Our Chairman and CEO has performance management objectives for improving our sustainability strategy, metrics, and disclosures.

Led by our Chief Responsibility Officer, the Edwards Sustainability Council develops and drives the implementation of these initiatives. The Sustainability Council comprises leaders from various functions across Edwards, including our Senior Director of



Edwards EHS Governance Structure

Worldwide EHS. Council members represent their specific areas of responsibility and collaborate to identify aspects and impacts, prioritize risks and opportunities, and set short and long-term goals to improve our overall sustainability performance.

ISO Certification

In 2016, Edwards set an expectation that all manufacturing facilities achieve certification against the internationally recognized ISO 14001:2015 Environmental Management System and ISO 45001:2018 Occupational Health & Safety Management System standards by 2023. New manufacturing plants are given 3 years from date of start-up to achieve certification.

To date, six of our seven manufacturing sites are certified to ISO 14001:2015, with our newest manufacturing plant in Ireland expected to achieve certification in 2023. In addition, our European Field & Commercial Region also holds ISO 14001:2015 certification. Our manufacturing plants are now working towards achieving ISO 45001:2018 certification. Currently, four of our seven manufacturing sites are certified, with our Irvine plant recently achieving certification in 2021. The remaining three sites are on schedule to become certified on time with our internal deadlines.

Compliance

Edwards recognizes that compliance to individual EHS laws and regulations in each country and municipality is the minimum requirement for us to conduct business and operate our manufacturing facilities. We believe EHS compliance can be achieved through robust EHS management systems, strong EHS governance and auditing, and a culture of employee ownership and accountability. We believe that employees at every level in the organization are responsible for understanding and fulfilling their compliance obligations. The function of our EHS professionals is to educate our employees, provide them with the tools to effectively do their jobs, and monitor their performance in the spirit of continual improvement.

In 2021, Edwards deployed standardized EHS software across all global plants in order to fortify our EHS processes and advance our digital capability. In addition, we revised and rolled out 24 Global EHS Standards to align with our internal expectations for several critical EHS programs.

Energy & Emissions

As stated in our EHS Policy, Edwards is committed to reducing our impact on the environment. Edwards has established an aggressive target to achieve carbon neutrality for our direct operations by 2030 and set science-based targets. Despite our rapid growth projections for the future, we understand the importance of addressing climate change and are committed to driving a meaningful reduction in our greenhouse gas emissions.

As part of our journey towards carbon neutral, Edwards has confirmed our intent to establish a science-based target with SBTi in line with a 1.5°C scenario and is engaging with SBTi for approval on specific reduction targets for GHG emissions from our Scope 1 & 2 direct operations and Scope 3 value stream.

Edwards has openly reported our energy and GHG emissions management practices and metrics through [CDP](#) since 2014.

Energy and Emissions Reduction

Edward's approach to energy and emissions reduction is comprehensive and includes:

- Aggressive action to reduce energy demand at existing facilities
- Construction of state-of-the-art, zero footprint new facilities
- Strategic transition to renewable energy sources across our global sites
- Purchase of high-quality carbon offsets as a last option for unavoidable emissions

In 2021, Edwards achieved a 4% absolute reduction in greenhouse gas emissions from our direct operations over the prior year. This was a significant accomplishment considering our 19% revenue growth and 23% global square footage growth in the same

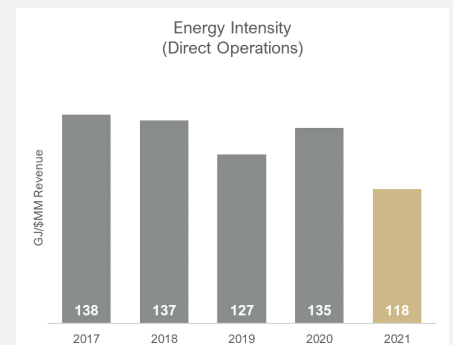
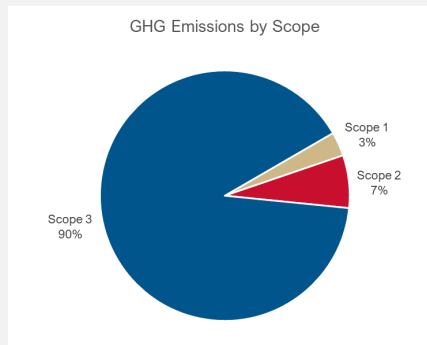
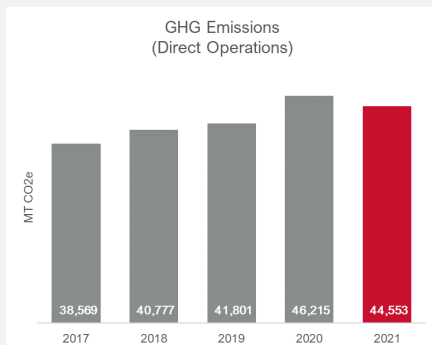
In 2021, Edwards achieved a 4% absolute reduction in greenhouse gas emissions over prior year, despite significant growth in revenue and global square footage.

year. This was the first year in Edwards' rapid growth history that an absolute reduction in GHG emissions was achieved alongside considerable business growth.

Reducing Energy Demand

Annually, each manufacturing plant assesses its energy-related aspects and impacts and incorporates appropriate energy conservation and protection objectives into annual operating plans. In addition, Edwards conducted third-party energy studies in 2021 at our manufacturing facilities in Utah, Puerto Rico, and Dominican Republic to identify opportunities to reduce demand. We plan to complete additional studies at our remaining manufacturing sites and Irvine Corporate headquarters in 2022 and 2023.

Another key initiative driving improvement in energy efficiency is our approach to facility design and construction. Edwards has implemented a robust, global construction strategy which ensures that all new and renovated buildings are constructed in a manner which minimizes environmental impact, including energy demand and GHG emissions. This approach began in the mid-2010's, with improvements and expansions to our Irvine headquarters, and continues with momentum into the construction of our two newest manufacturing plants in Costa Rica and Ireland.



We are proud to share that our Ireland plant achieved LEED Gold rating in 2021, the first large manufacturing facility in the country to achieve the feat! Additionally, three new buildings at our Irvine, California headquarters were commissioned with LEED status at Platinum and Gold levels.

Transition to Renewable Energy

As Edwards continues to evolve on our sustainability journey, we realize the importance of investing in renewable energy. In Costa Rica, over 99% of the electricity from the public utility comes from renewable sources, primarily hydroelectric. In Ireland, where we have recently opened our newest manufacturing plant in Limerick, our local electricity partner is providing us with 100% renewable energy, primarily from wind energy.

At our other global locations, we are continuously looking for opportunities to invest in onsite generation of renewable energy. In Irvine, California we continue to expand our solar energy generation capacity, finalizing five additional systems as part of our Irvine campus expansion project, bringing our overall onsite solar generation capacity to 315,000 kwh per summer month. In addition, a project was recently completed at our Dominican Republic plant to install a 1 MW photovoltaic system.

As part of our commitment to achieve carbon neutrality by 2030, Edwards plans to aggressively transition the majority of our global electricity demand to renewable sources over the course of the next seven years through a variety of methods, including onsite and offsite renewable energy generation.

Value Stream (Scope 3) GHG Emissions

This year, Edwards completed our first comprehensive baseline study of Scope 3 emissions across our value stream. For 2021, Scope 3 emissions were determined to be 416,941 MT CO₂e, which represents 90% of Edwards' total GHG emissions. As we work with SBTi to establish a Scope 3 target, our focus will be on reducing our upstream impact, where 97% of our Scope 3 emissions lie, most notably, from purchased goods and services. The full results of our Scope 3 study are included in the data tables of this Report.

Climate Risk

Edwards identifies and assesses climate-related risks as part of an integrated approach to managing overall business risk. Edwards has established an Enterprise Risk Council to guide the company's risk management strategy. Led by our Vice President of Risk Management and comprised of key executive and senior leaders, the Council meets quarterly to conduct a systematic review and mitigation planning for strategic, operational, financial, regulatory, cybersecurity and climate-change risks. The Council periodically reports strategy, key findings, and progress directly to the Edwards Board of Directors in accordance with Task Force on Climate-related Financial Disclosures (TCFD) recommendations.

In assessing climate-related risks, Edwards conducts a formal analysis of the likelihood, potential consequence and required response related to various climate transition and physical risks. More information on Edwards' assessment and management of climate-related risks and opportunities can be found in our [2020 EHS Report](#).



A 1 MW solar panel project is currently underway at the Dominican Republic manufacturing plant, which will provide renewable energy and reduce the plant's overall GHG emissions by 15%.

Water

Edwards' water management program is integrated in our ISO 14001:2015 approach and covers our areas of operational control, including all manufacturing locations and non-manufacturing regional offices.

Our largest consumption of water occurs at our manufacturing sites, and annually, these locations assess their water-related aspects and impacts and incorporate appropriate water conservation and protection objectives into annual operating and capital investment plans. Water conservation activities undertaken at our sites include installation of water-efficient facility design (including LEED certified buildings), equipment and fixtures, installation of recycling or reuse systems where possible, partnering with local utility providers on water recycling programs and utilizing drought tolerant plants and xeriscape design in our landscape and garden areas.

At a companywide level, we continually assess our water-related risks which include higher cost of water, water shortages and rationing, fluctuations in water quality and unreliable water delivery in the case of drought or other climate-related changes. We then identify opportunities to mitigate these risks and reduce our overall environmental impact.

Edwards has openly reported our water management practices and metrics through [CDP](#) since 2014.

Water Use

Compared to general industry and our medical device peers, Edwards does not require a significant amount of water in our manufacturing operations or processes, nor does Edwards store a significant amount of water onsite at any of our global locations, with the exception of emergency fire sprinkler water reservoirs and tanks. Instead, the majority of water used at Edwards facilities is for manufacturing

In 2021, Edwards achieved a 15% reduction in water withdrawal, when normalized by annual revenue.

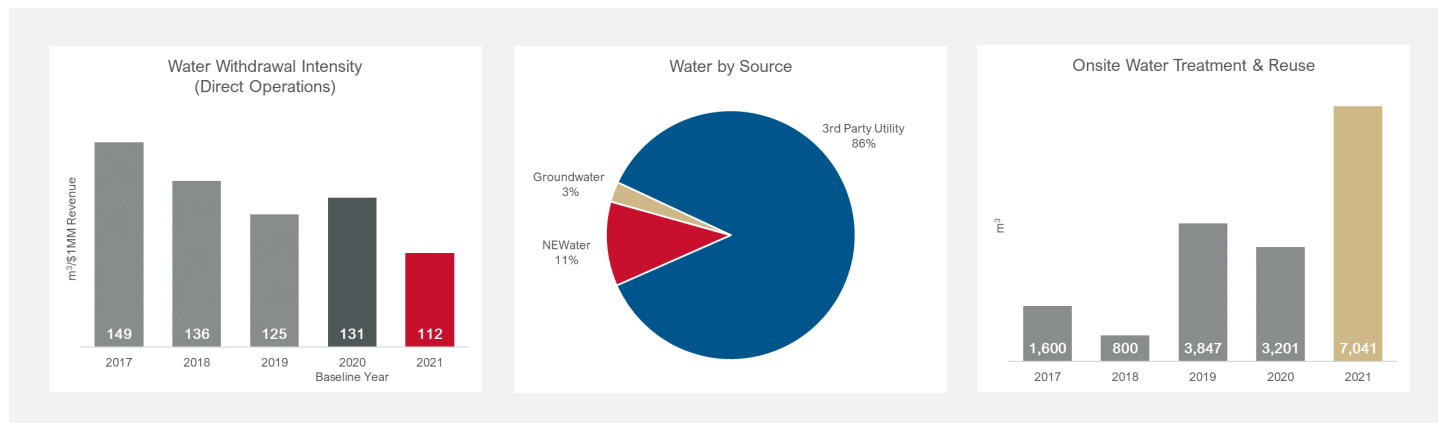
employee handwashing, personal consumption, cafeteria and restroom use, landscaping, and facilities equipment support. Process water is used at some manufacturing facilities for production-related equipment and tooling, washing and chemical solutions dilution.

Water Withdrawal

In 2021, Edwards' water withdrawal was 585,174 cubic meters. This represents a 2% increase of absolute withdrawal from our 2020 baseline year, but a 15% reduction when normalized by revenue to account for growth.

Across Edwards, 86% of our water is provided by third-party public utility providers. Our Singapore manufacturing plant receives 42% of its water from the Singapore government's NEWater systems. NEWater is high-grade reclaimed water produced from used water treated with UV disinfection and advanced membrane technologies. Edwards is proud to partner with Singapore to utilize this breakthrough and effective technology to provide 11% of Edwards' total water supply.

Water use reduction efforts at Edwards have focused primarily on incorporating water-efficient equipment and landscaping into our facility design. We also look for opportunities to reuse or recycle water wherever possible in order to minimize water withdrawal. For example, our Dominican Republic plant recycled



7,041 m³ of water in 2021 through onsite water treatment and reuse.

Water-Stressed Regions

According to the WRI Aqueduct, a global water risk-mapping tool, only our Irvine, California manufacturing plant and corporate headquarters is located in an “extremely-high” water stressed region. In 2021, the total water withdrawal at this site was 190,034 cubic meters, with 100% of the water sourced from a third-party public utility. Several water conservation measures are in place at our Irvine location including drought-tolerant landscaping, water-efficient fixtures and water reuse systems including an underground rainwater harvesting tank.

Our Draper, Utah manufacturing plant is located in a “low-medium” water stressed region. At this site, traditional landscaping has been replaced with xeriscaping and artificial turf, contributing to a 36% decrease in overall annual water withdrawal for the plant since 2018.

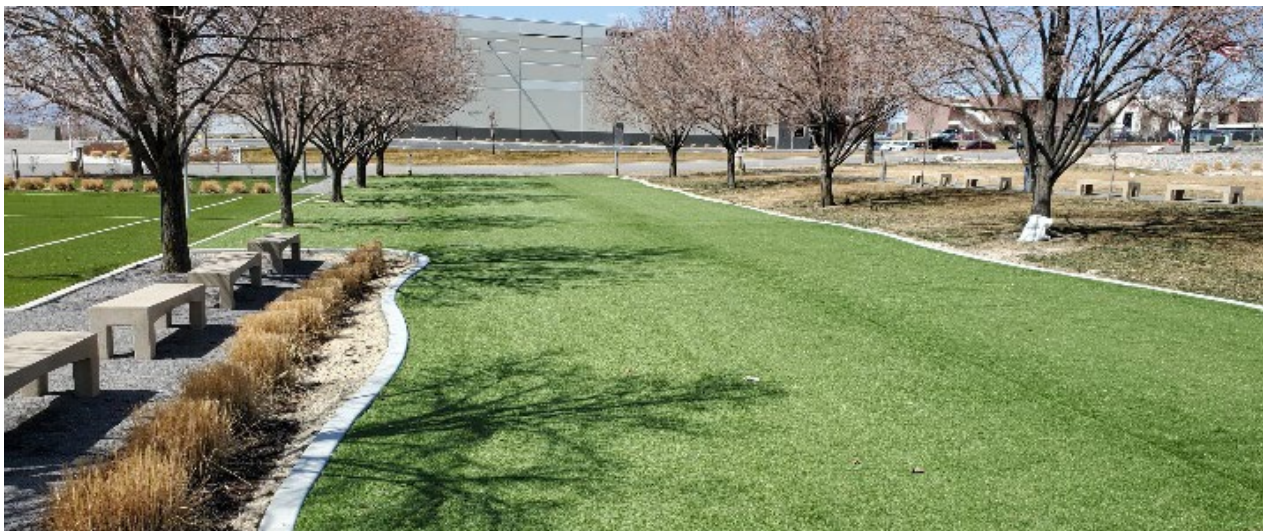
The remaining manufacturing sites are located in “low” stress regions or areas where water stress data is not available.

While regional office water use, in global aggregate, is considered a material reporting topic, we do not report small, regional office water withdrawal and use in relation to local water stress levels, as water use volumes for each office are very low and not material on an individual basis.

Spill Prevention & Response

Spill Prevention and Response programs are implemented at all Edwards manufacturing locations with a focus on risk identification and engineering, administrative and work practice controls such as secondary containment, double-walled tanks, alarm and notification systems, preventive maintenance, locked valves on fuel-tank containment structures and periodic visual inspections. Additionally, personnel at each site are trained on appropriate spill response and clean-up escalation levels. Edwards reports all spills and releases in accordance with reporting thresholds designated by local or country government agencies. In 2021, we had no spills or releases above thresholds that required reporting to government authorities.

Protection of surface and stormwaters is managed in accordance with Edwards global EHS Standards as well as locally issued permits and government regulations. Edwards does not conduct industrial operations in outdoor, storm water-exposed areas. All three of our US facilities in California, Utah and Puerto Rico are covered under No Exposure Certificates (NECs) in accordance with the Environmental Protection Agency (EPA) Clean Water Act. In addition, structural and non-structural source control best management practices (BMPs) are employed at each of our facilities to prevent contamination of storm water.



Traditional lawn landscaping was replaced with artificial turf at our Draper, Utah manufacturing plant in 2021 as a water conservation measure.

Waste

Edwards implements programs across our global facilities to reduce the impact of waste generated from our activities and direct operations. Annually, as part of our ISO 14001:2015 management system, sites evaluate their waste volumes and downstream management practices to identify opportunities to first reduce, reuse and recycle. We also have well-established programs in place to ensure proper storage and handling of regulated waste such as chemicals, batteries, and electronics, in line with local requirements and best management practices.

While we ensure responsible waste management at all non-manufacturing regional offices, the vast majority of waste generated by Edwards occurs at our manufacturing locations and so the focus of our data reporting is in these areas of operation.

Waste Generation

In 2021, Edwards generated approximately 4,943 metric tons of total waste. While this represents a 5% absolute increase over our 2020 baseline year, Edwards' growth has significantly outpaced our waste generation rate. When normalized against revenue, Edwards has reduced its total waste generation by 13% against the baseline.

Our absolute increase in waste generation in the past year is primarily attributed to new products and enhancement of manufacturing equipment and processes which aggressively began in 2018 and



In 2021, our Spain office initiated a program to donate their used computers to students in the Dominican Republic through a non-profit organization that helps underprivileged children have access to education. These computers, which would have otherwise gone to waste, are now being put to good use!

In 2021, Edwards achieved a **13% reduction in waste generation**, when normalized by annual revenue.

continued through 2021. Validation of our manufacturing processes is required in order to meet stringent FDA and global medical device quality assurance regulations and involves thorough testing of our equipment, procedures, and chemicals in order to ensure efficacy. While validation activities represent growth and a bright future for our business, validation results in an increase in waste disposal without resulting in financial benefit until the products are brought to market. The largest increase in waste in 2021 occurred at our Dominican Republic and Costa Rica manufacturing plants where we are bringing new clean rooms online to meet business growth demands.

Despite these challenges, we continue to identify waste reduction opportunities through continual improvement efforts. Most notably in 2021, our Puerto Rico plant was able to move from an EPA hazardous waste "large quantity" generator classification to a "small quantity" classification. Other projects completed in 2021 include an initiative to remove single-use plastics from our Dominican Republic site cafeteria, as well as the replacement of single use plastic to-go containers to compostable to-go containers at our Ireland site. We are proud to note that our manufacturing operations in Ireland, which include a start-up plant in Shannon and our main plant in Limerick, maintained zero waste-to-landfill in 2021.

Recycling

Edwards recycles hazardous and non-hazardous waste streams whenever possible. While our primary focus is to reduce the overall quantities of waste generated, we understand the importance of ensuring waste is sent for recycling wherever possible. While the cost of recycling varies greatly from country-to-country, Edwards makes every effort to promote recycling regardless of whether there is a financial benefit or a cost. Due to technological complexities in the different countries in which we operate, approximately half of our sites pay to recycle, while the other half receives payment.

In 2021, we recycled 2,022 metric tons (MT) of waste. This represents 41% recycling rate for our total company waste, which is a 6% increase from 2019.

Materials & Packaging

Environmental considerations are incorporated into Edwards' packaging design, development and qualification processes and procedures. Our goal is to develop and implement packaging systems that not only meet our customer and industry requirements, but also facilitate safer, more efficient, and cost-effective delivery while minimizing our impact on the environment. Our Packaging Engineering teams are continually searching for and evaluating options for alternate materials, processes and sterilization methods that may improve packaging performance while reducing waste and air emissions.

Environmental packaging initiatives have resulted in reduced packaging materials and less waste. In

addition, stronger durability, smaller package sizes, and improved pallet configurations have resulted in improvements in overall shipping efficiencies through our global supply chain initiatives. In 2019, we achieved efforts to reduce packaging of targeted high-volume commercial projects by 15% (see 2019 EHS Report for more information).

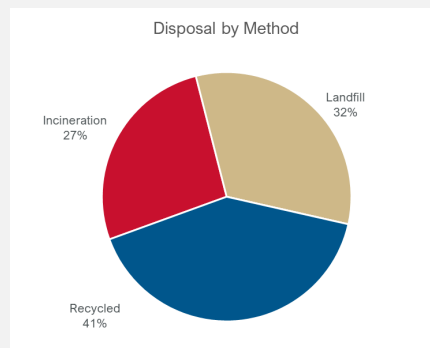
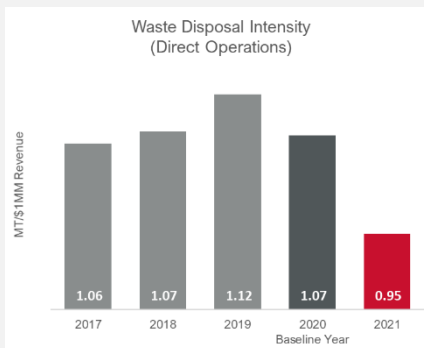
In 2021, Edwards' packaging teams refocused efforts on reducing environmental impact from packaging in two major areas – reduction of paper waste through conversion of paper IFU to electronic IFU and reduction in overall transportation miles through localization of packaging and labeling suppliers. We expect to share results from these initiatives in our 2022 EHS Report.



Employees from Edwards' Vienna office visit Rautenweg Landfill to learn more about their country's waste management system. The landfill, which is considered international best practice, features lush vegetation and wildlife, and generates renewable energy.



Our Nyon, Switzerland office recently replaced all plastic PET bottles with returnable glass bottles. The glass bottles are collected by our food services partner and returned to the beverage vendors for reuse.



Health & Safety

Edwards is committed to protecting the safety and well-being of our employees, onsite contractors, visitors, and guests. In 2021, Edwards' recordable incident rate was 0.68 and our lost time incident rate was 0.28, continuing an overall declining trend in work-related injuries over the course of the last several years. To achieve a safe and healthy workplace, we believe in establishing robust EHS management systems, implementing strong EHS governance and driving a culture of ownership and accountability. Additionally, we recognize that building capability within our Edwards EHS function is fundamental to the success of our EHS program.

We continue to invest in the development of tools, systems and our EHS professionals to help us achieve our EHS objectives. Our commitment to preventing injury and illness and promoting well-being extends to both manufacturing and non-manufacturing operations and includes all employees, as well as contractors and visitors present at our facilities.

Hazard Identification, Risk Assessment, and Incident Investigation

Edwards adopts a risk-based approach to managing occupational health & safety, consistent with ISO 45001:2018 principles. Manufacturing plant EHS teams work with local supervisors and manufacturing associates to quantify risks associated with various job activities. Risk assessments may take the form of a sitewide safety risk register, job safety analyses, industrial hygiene risk assessments, ergonomic risk assessments and HAZOPs. Where risks are found to be above acceptable threshold levels, control measures are implemented to eliminate or manage the hazards and risk. Edwards follows the Hierarchy of Controls when implementing safety hazard control measures.

Additionally, Edwards encourages employees to be proactive in identifying hazards in their work area. Employees are free to report any hazard or concern without fear of reprisal and some of our safety reporting programs allow for anonymous reporting. Edwards sites employ various methods to facilitate hazard identification, including safety suggestion boxes, Facilities Help Tickets, Good Saves programs and other near miss and safety concern reporting programs. Hazards may also be identified during facilities or product design review and during routine inspections or safety walks.

When EHS-related incidents occur, Edwards requires that a thorough investigation be completed to identify



EHS professionals from our Singapore, Costa Rica, and Irvine sites strike a pose during a recent EHS peer-to-peer audit of our Singapore plant.

the root cause and ensure corrective actions are taken to remove the immediate hazards and prevent a recurrence. Incident investigations are conducted by the responsible supervisor and manager with support from the local EHS team, and may include interviews, a walkthrough of the incident scene, review of documents, records, and surveillance videotape or photos. At Edwards, we emphasize that the purpose of an incident investigation is to prevent a recurrence, not to find fault or assign blame. Corrective and preventive actions resulting from the incident investigation are tracked to closure.

Employee Engagement

Edwards employs a multi-faceted approach to soliciting feedback and participation from our global employees. Engagement strategies are tailored to accommodate country customs and local practice; however, we apply common elements as appropriate:

- Site-level safety committees
- Employee suggestion and hazard reporting programs
- Process improvement and Kaizen activities
- Cross-functional team evaluation of equipment and product lines during design, purchasing and validation

Training & Awareness

EHS training is provided to employees to ensure compliance with EHS regulations and educate our employees on safe and environmentally responsible work practices and procedures. Training formats include instructor-led, web-based, read-and-review and on-the-job training. The training method selected will vary depending upon the topic and audience. The effectiveness of training may be evaluated through a written quiz, practical examination, or worker observation. Training requirements vary by location

and by individual, based upon local EHS legal requirements and employee job assignments.

For EHS topics that are not covered in formal training courses but might require general employee awareness, there are a variety of means to communicate these safety messages. Some of these methods include safety communication boards and television screens, electronic newsletters, EHS Incident Alerts, and team huddle safety talks.

Additionally, we recognize that the continual development of our global EHS professionals is fundamental to the success of our EHS program. Annually, EHS professionals set development plans as part of the Edwards Talent Development Program. In addition to encouraging EHS professionals to pursue general business and technical degree and certificate programs, the team is encouraged to attend industry conferences, seminars, and training classes. Currently many of our global EHS professionals hold Lead Auditor certifications in one or both ISO 14001:2015 and ISO 45001:2018, creating a network of internal auditing resources within Edwards. In future years, our network of internal auditors will travel across our global sites and business units for cross-auditing purposes to benefit Edwards EHS program and further enrich the development of our EHS professionals.

Ergonomics

Cumulative trauma illnesses represent approximately 51% of Edwards' work-related injuries and illnesses. The majority of our cumulative trauma illnesses come from our valve network manufacturing locations, where manual sewing of tissue valves introduces the ergonomic risk factors of repetition, force, and sustained postures. As such, we pursue aggressive strategies in our manufacturing plants and



In 2021, 164 new ergonomic workstations were installed at our Irvine, California manufacturing plant. The new workstations include adjustable microscopes and chairs to adjust posture-related injury risks from valve sewing.

engineering departments which aim to address ergonomic risks with appropriate prevention and control measures throughout the design and manufacturing process including:

- Quantitative risk assessment through the use of detailed video and in-person analysis, ergonomic measurement equipment (e.g., force testing) and an Edwards-developed ergonomic risk assessment tool
- Elimination and substitution of high ergonomic risks through automation or redesign during Product Development Process based on risk assessment data
- Ergonomic manufacturing tools, equipment and fixtures including tissue-holding templates and custom sewing needles
- Engineering improvements at the individual workstation level, including ergonomic worktables, chairs, and microscopes
- Stretching and microbreak programs
- Employee ergonomics training and awareness campaigns
- Rotation programs organized by operation risk assessment score to ensure manufacturing lines and rotations are evenly balanced
- Early injury and illness identification and intervention programs which include individual ergonomic assessments
- Onsite occupational health staff dedicated to providing individual ergonomic support as needed

Wellness

We believe the well-being of our employees has a direct correlation with the success of our company. Each of our seven global manufacturing locations provide benefits associated with occupational health commensurate to their worker population, culture, and availability of such programs in their local communities. For example, while all of our locations provide access to off-site medical clinics, our larger locations also employ on-site nurses and medical professionals to assist in both work and non-work-related injury and personal health needs. In 2021, our occupational health staff hosted numerous COVID-19 and flu shot clinics across our global locations to ensure our employees had convenient access to vaccinations.

In addition, employee health benefits include weight-loss coaching, lactation consulting, smoking cessation programs, among others. At some of our locations we provide on-site fitness centers, basketball courts, bicycle facilities and large fields for soccer and other outdoor activities.

Data Tables

EHS Management System	2019	2020	2021
ISO 14001:2015 certified sites or regions	6	7	7
Manufacturing	5	6	6
Non-manufacturing	1	1	1
ISO 45001:2018 certified sites or regions	3	3	4
Manufacturing	3	3	4
Non-manufacturing	-	-	-
Regulatory inspections	36	23	26
Regulatory notices of violation	7	0	1
EHS penalty fines	\$1,880	-	-
Offsite spills or releases	-	-	-

Health & Safety	2019	2020	2021
Recordable incident rate ¹	0.79	0.63	0.68
Recordable incident rate, COVID-19 included ²	0.79	0.81	0.79
Lost time incident rate ¹	0.33	0.31	0.28
Number of fatalities	0	0	0

¹ Includes Edwards employees and temporary employee work-related injuries and illnesses, based on OSHA incidence rate calculation of: (# incidents x 200,000)/hours worked

² Includes COVID-19 positive illnesses where employee more likely than not contracted COVID-19 during the course of employment (i.e., hospital field clinician, COVID-19 positive coworker)

Supplier EHS Diligence	2019	2020	2021
New suppliers	2,975	2,102	2,178
Suppliers completing Level 1 screening ³	2,975	2,102	2,178
Suppliers completing Level 2 screening ³	212	223	256
Suppliers rejected for EHS concerns	1	0	0

³ All suppliers undergo Level 1 public database screening as part of our due diligence process. Regulated and high-spend suppliers undergo an additional Level 2 screening which requires completion of Edwards' due diligence questionnaire. For a detailed description of this process, see our [2020 EHS Report](#).

LEED Building Certification	Description	Level	Year
Irvine (CA), USA			
"Life is Now" Center	administrative	Gold	2016
Starr Atrium	administrative	Platinum	2017
Entry Pavilion	administrative	Platinum	2021
"Dream Big" Complex, PODs 1-5	R&D, administrative	Gold	2021
Café & Conference Center	administrative	Gold	2021
"Dream Big" Complex, PODs 6 & 7	R&D, administrative	Gold	2022
Limerick, Ireland			
Main plant	manufacturing	Gold	2021
Cartago, Costa Rica			
Main plant	manufacturing	Gold	Planned 2023
Draper (UT), USA			
Metals facility	manufacturing	Gold	Planned 2025

Energy	Unit	2019	2020	2021
Energy, by type				
Diesel	GJ	21,648	23,980	22,311
Gasoline	GJ	1,385	346	244
Natural Gas	GJ	116,515	116,050	154,432
Propane	GJ	103,538	102,923	73,795
Electricity	GJ	310,016	346,625	363,990
Renewable electricity	GJ	90,201	96,321	110,880
Non-renewable electricity	GJ	219,816	250,303	217,607
Total energy	GJ	553,103	589,924	614,772
Implant Network	GJ	279,954	303,964	318,210
Delivery Systems Network	GJ	55,447	56,038	94,673
Critical Care Network	GJ	170,750	175,918	146,739
Sales & Field Operations	GJ	46,952	54,004	55,149
Renewable energy	%	17	17	19
Energy intensity	GJ/\$1MM Revenue	127	135	118

GHG Emissions	Unit	2019	2020	2021
Scope 1 GHG emissions ^{4,5}	MT CO2e	13,800	14,416	14,390
Diesel	MT CO2e	1,449	1,623	1,512
Gasoline	MT CO2e	88	22	16
Propane	MT CO2e	5,918	6,133	4,490
Natural Gas	MT CO2e	6,345	6,638	8,372
Carbon Offsets ⁶	MT CO2e	0	0	1,321
Scope 2 GHG emissions, location-based ⁴	MT CO2e	27,931	31,845	33,369
Scope 2 GHG emissions, market-based ⁴	MT CO2e	28,001	31,799	31,484
Scope 1 & 2 GHG emissions	MT CO2e	41,801	46,215	44,553
Implant Network	MT CO2e	18,204	20,451	20,230
Delivery Systems Network ⁶	MT CO2e	3,647	3,969	3,464
Critical Care Network	MT CO2e	15,045	16,074	15,424
Sales & Field Operations	MT CO2e	4,906	5,722	5,434
Scope 3 GHG emissions ⁷	MT CO2e	51,550	31,263	416,941
Purchased goods & services	MT CO2e			310,724
Capital goods	MT CO2e			64
Fuel and energy-related activities	MT CO2e			12,117
Upstream transportation & distribution	MT CO2e			21,034
Waste generated in operations	MT CO2e			2,907
Business travel	MT CO2e	31,655	9,828	24,930
Employee commuting	MT CO2e	19,895	21,436	33,832
Use of sold products	MT CO2e			4,898
End-of-life-treatment of sold products	MT CO2e			5,633
Downstream leased assets	MT CO2e			803
Scope 1 & 2 GHG emissions intensity	MT CO2e/\$1MM revenue	9.6	10.5	8.5

⁴ GHG Scope 1 & 2 emissions calculated in accordance with GHG Protocol's Corporate Accounting and Reporting Standard.

⁵ GHG Scope 1 emissions for 2021 includes company-provided bus transportation. Previously, this data was reported under Scope 3 emissions.

⁶ Carbon offsets were purchased in limited quantity as part of our new Limerick, Ireland manufacturing facility's LEED Gold certification in 2021. Our Limerick plant, which is in our Delivery Systems Network, is powered by 100% renewable electricity, resulting in zero Scope 2 emissions. The purchased offsets will be retired over the course of the next five years to cover Scope 1 emissions from the facility.

⁷ Only GHG Scope 3 emissions from business travel & employee commuting are reported for 2019 & 2020. In 2021, a comprehensive Scope 3 study was completed in accordance with GHG Protocol's Corporate Value Chain (Scope 3) Standard. In the 2021 study, the Scope 3 categories for upstream leased assets, downstream transportation and distribution, processing of sold products, franchises, investments, other (upstream), and other (downstream) were found to be not relevant and are not reported in the table above.

Other Emissions	Unit	2019	2020	2021
SOx emissions	kg	9,344	13,636	6,671
NOx emissions	kg	99,265	97,527	132,275
PM emissions	kg	711	828	778
ROG/VOC emissions	kg	110,850	113,593	141,635
CO emissions	kg	164,157	159,725	220,773

Water	Unit	2019	2020	2021
Water withdrawal	m ³	542,924	573,020	585,174
Third party public utility	m ³	471,825	486,447	505,867
Third party NEWater	m ³	58,888	67,519	64,091
Groundwater	m ³	12,211	19,054	15,217
Surface water	m ³	0	0	0
Onsite water treatment & reuse	m ³	3,847	3,200	7,041
Water use	m ³	546,770	576,220	592,215
Water discharge	m ³	542,924	573,020	585,174
Third party	m ³	542,924	573,020	585,174
Water withdrawal intensity	m ³ /\$1MM Revenue	125	131	112

Waste	Unit	2019	2020	2021
Hazardous waste	MT	1,329	1,746	1,810
Recycling or fuels blending	MT	208	559	497
Incineration, general	MT	1,029	1,091	1,242
Incineration, biohazard	MT	67	63	56
Other	MT	0	0	0
Landfill	MT	26	34	15
Non-hazardous waste	MT	3,547	2,944	3,133
Recycling	MT	1,668	1,318	1,525
Incineration	MT	15	13	16
Other	MT	123	0	0
Landfill	MT	1,741	1,613	1,592
Total waste ⁹	MT	4,876	4,691	4,943
Implant Network	MT	3,205	3,087	3,302
Delivery Systems Network	MT	610	614	765
Critical Care Network	MT	1,061	990	877
Total waste intensity	MT/\$1MM Revenue	1.12	1.07	0.95

⁹ Waste from Sales & Field Operations (non-manufacturing) excluded from reporting as totals are considered not material to Edwards' total footprint

GRI Disclosure Index

GRI 301 Materials		
103 Management approach		Edwards Lifesciences Chemical & Material Stewardship Materials & Packaging
301-2 Recycled materials used		Medical device regulations and industry standards restrict or prohibit the use of recycled or reused materials in our products and primary packaging materials.
GRI 302 Energy		
103 Management approach		Energy & Emissions
302-1 Energy consumption within the organization		Energy data table
302-3 Energy intensity		Energy data table
GRI 303 Water & Effluents		
103 Management approach		Water
303-3 Water withdrawal		Water data table
303-4 Water discharge		Water data table
303-5 Water consumption		Water data table
GRI 304 Biodiversity		
103 Management approach		At Edwards, we respect biodiversity by minimizing environmental impacts from our operations and encouraging our employees to work with our communities to enhance the health of our local ecosystems. Biodiversity is not considered by our external or internal stakeholders to be a material topic for Edwards. Nevertheless, we consider the risk and potential impact on local ecosystems when making key decisions regarding our facilities and manufacturing operations.
303-2 Operational sites owned, leased, managed in, or adjacent to, protected areas and areas of high biodiversity value outside protected areas		No Edwards owned or leased facilities are located in protected areas or areas of high biodiversity value, according to the World Database of Protected Areas compiled by the UN Environment World Conservation Monitoring Centre. We currently operate seven manufacturing sites in five different countries and over 100 regional offices throughout the world.
GRI 305 Emissions		
103 Management approach		Energy & Emissions
305-1 Direct (Scope 1) GHG emissions		GHG Emissions data table
305-2 Energy indirect (Scope 2) GHG emissions		GHG Emissions data table
305-3 Other indirect (Scope 3) GHG emissions		GHG Emissions data table
305-4 GHG emissions intensity		GHG Emissions data table

305-6 Emissions of ozone-depleting substances (ODS)	Other Emissions data table
305-7 Nitrogen oxides (NOX), sulfur oxides (SOX) and other significant air emissions	Other Emissions data table
GRI 306 Waste	
103 Management approach	Waste
306-3 Waste generated	Waste data table
306-4 Waste diverted from disposal	Waste data table
306-5 Waste directed to disposal	Waste data table
GRI 307 Environmental Compliance	
103 Management approach	EHS Management System
307-1 Non-compliance with environmental laws and regulations	EHS Management System data table
GRI 308 Supplier Environmental Assessment	
103 Management approach	Edwards Lifesciences Supply Chain Management Edwards Lifesciences Supplier Code of Conduct
308-1 New suppliers that were screened using environmental criteria	Supplier EHS Diligence data table
308-2 Negative environmental impacts in the supply chain and actions taken	Supplier EHS Diligence data table
GRI 403 Occupational Health and Safety	
103 Management approach	Health & Safety
403-1 Occupational health and safety	Health & Safety
403-2 Hazard identification, risk assessment, and incident investigation	Health & Safety
403-3 Occupational health services	Health & Safety
404-4 Worker participation, consultation, and communication on occupational health and safety	Health & Safety
404-5 Worker training on occupational health and safety	Health & Safety
403-6 Promotion of worker health	Health & Safety
403-8 Workers covered by an occupational health & management system	Health & Safety data table Edwards' Occupational Health & Safety Management system, including hazard identification, incident investigation, training, and communication programs, cover all persons who are present onsite at an Edwards facility. This includes employees, contingent employees, service providers,

and visitors. For recordkeeping purposes, Edwards reports on occupational injury and illness data from employees and contingent employees ("contractors").

403-9 Work-related injuries

[Health & Safety data table](#)

403-10 Work-related ill health

[Health & Safety data table](#)

TCFD Disclosure Index

Governance	
Disclose the organization's governance around climate-related risks and opportunities	Governance Climate Risk 2021 & 2022 CDP Climate Change responses
Risk Management	
Describe how the organization identifies, assesses, and manages climate-related risks	Climate Risk 2021 & 2022 CDP Climate Change responses
Strategy	
Disclose the actual and potential impacts of climate-related risks and opportunities on the organization's businesses, strategy, and financial planning where such information is material	Energy & Emissions Climate Risk 2021 & 2022 CDP Climate Change responses
Metrics & Targets	
Disclose the metrics and targets used to assess and manage relevant climate-related risks and opportunities where such information is material.	Targets

May 31, 2022

Edwards Lifesciences

INDEPENDENT VERIFICATION OPINION STATEMENT AT THE LIMITED ASSURANCE LEVEL FOR CALENDAR YEAR 2021 GREENHOUSE GAS EMISSIONS DATA

SCOPE OF ENGAGEMENT

HXE Partners (HXE) was contracted by **Edwards Lifesciences (Edwards)** to provide independent, third-party verification of Edwards' Greenhouse Gas (GHG) Emissions data, for the calendar year (CY) of 2021, with responsibility for providing a **limited level of assurance** regarding their accuracy and completeness, in accordance with the **ISO 14064-Part 3** verification standard.

GHG emissions boundaries covered by the verification:

- Operational Control
- January 1, 2021, to December 31, 2021

The scope of our review included Edward emissions sources encompassing:

- **Scope 1** emission sources: stationary, mobile, and fugitive emissions
- **Scope 2** emission sources: purchased electricity

Edwards is responsible for collecting, analyzing, and presenting data sources provided to HXE, as well as for maintaining effective internal controls over the systems from which the data sources. Data sources have ultimately been approved by and remains the responsibility of Edwards.

The verification assessment, conducted in accordance with ISO-14064-Part 3: *Specification with Guidance for the Verification and Validation of Greenhouse Gas Statements* included verification of Edwards' reporting methodologies for the greenhouse gas emissions data in accordance with:

- The World Resources Institute / World Business Council for Sustainable Development (WRI/WBCSD) Greenhouse Gas Protocol: *A Corporate Accounting and Reporting Standard (Revised Edition)* (Scope 1 and 2)

VERIFICATION PROCESS AND DOCUMENT REVIEW

As part of this assurance engagement, HXE conducted the following verification activities:

- Conducting an overarching strategic/risk analysis
- Generating and developing a verification plan and a data and information sampling plan
- Audit of samples of reported data and documentation
- Interviewing relevant employees at Edwards responsible for managing GHG emissions and environmental data and records
- Verifying GHG emissions calculations at an aggregated level for CY 2021
- Reviewing Edward's data management systems, from data handling to internal verification procedures, to confirm that there were no significant errors, omissions, or misstatements in provided data sources
- Conducting materiality review of findings

HXE provided verification findings to Edwards which detailed the specific review tasks completed and which areas were flagged for clarification or improvement. Edwards has addressed all requests for clarification and has completed all necessary corrective actions. The following data has been verified:

Table 1. Summary of Edward’s GHG Emissions Data for Calendar Year (CY) 2021:

Scope of GHG Emissions	mtCO _{2e}
Scope 1 GHG emissions	14,390
Scope 2 GHG emissions (location-based)	33,369
Scope 2 GHG emissions (market-based)	31,484
Purchased Carbon Offsets	1,321
Net GHG emissions (Scope 1 + Scope 2 market-based - Purchased Offsets)	44,553

This verification used a materiality threshold of $\pm 5\%$ for total errors in each of the above metrics.

ASSURANCE FINDING

Based on these review processes and procedures, nothing has come to HXE’s attention that would cause us to believe that Edwards has not, in all material respects:

- Met the requirements of the criteria listed above; and
- Disclosed accurate and reliable performance data and information as summarized in Table 1

The opinion expressed is formed based on a **limited level of assurance** and at the materiality of the professional judgement of the verifier. Note the extent of evidence-gathering for a limited assurance engagement is less than for a reasonable assurance engagement. Limited assurance engagements focus on aggregated data rather than physically checking source data at sites. Consequently, the level of assurance obtained in a limited assurance engagement is lower than the assurance that would have been obtained had a reasonable assurance engagement been performed.

Signed,



On behalf of HXE Partners LLC

May 31, 2022

July 5, 2022

Edwards Lifesciences

INDEPENDENT VERIFICATION OPINION STATEMENT AT THE LIMITED ASSURANCE LEVEL FOR CALENDAR YEAR 2021 WATER AND WASTE DATA

SCOPE OF ENGAGEMENT

HXE Partners (HXE) was contracted by **Edwards Lifesciences (Edwards)** to provide independent, third-party verification of Edwards's water consumption and waste generation data, for the calendar year (CY) of 2021, with responsibility for providing a **limited level of assurance** regarding their accuracy and completeness, in accordance with the International Standard on Assurance Engagements (**ISAE**) **3000** Revised, Assurance Engagements Other than Audits or Reviews of Historical Financial Information.

GHG emissions boundaries covered by the verification:

- January 1, 2021, to December 31, 2021

The scope of our review included Edward's emissions sources encompassing:

- **Water** withdrawal
- **Waste** generated

Data sources and supporting documents provided ("data sources"):

- Active site lists
- Inventory management methodology
- Waste calculations conversion methodology
- Site-specific water use, and waste generation data
- Select water, and waste invoice records

Edwards is responsible for collecting, analyzing, and presenting data sources provided to HXE, as well as for maintaining effective internal controls over the systems from which the data sources. Data sources have ultimately been approved by and remains the responsibility of Edwards.

VERIFICATION PROCESS AND DOCUMENT REVIEW

As part of this assurance engagement, HXE conducted the following verification activities:

- Conducting an overarching strategic/risk analysis
- Generating and developing a verification plan and a data and information sampling plan
- Audit of samples of reported data and documentation
- Interviewing relevant employees at Edwards responsible for managing GHG emissions and environmental data and records
- Verifying water and waste calculations at an aggregated level for CY 2021
- Reviewing Edward's data management systems, from data handling to internal verification procedures, to confirm that there were no significant errors, omissions, or misstatements in provided data sources
- Conducting materiality review of findings

HXE provided verification findings to Edwards which detailed the specific review tasks completed and which areas were flagged for clarification or improvement. Edwards has addressed all requests for clarification and has completed all necessary corrective actions. The following data has been verified:

Table 1. Summary of Edward's Environmental Data for Calendar Year (CY) 2021:

Environmental Data	CY 2021	Units
Water Withdrawal	585,174,230	Liters
Hazardous Waste Generated	1,810	Metric Tons
Non-Hazardous Waste Generated	3,133	Metric Tons
Total Waste Generated	4,943	Metric Tons

This verification used a materiality threshold of $\pm 5\%$ for total errors in each of the above metrics.

ASSURANCE FINDING

Based on these review processes and procedures, nothing has come to HXE's attention that would cause us to believe that Edwards has not, in all material respects:

- Met the requirements of the criteria listed above; and
- Disclosed accurate and reliable performance data and information as summarized in Table 1

The opinion expressed is formed based on a **limited level of assurance** and at the materiality of the professional judgement of the verifier. Note the extent of evidence-gathering for a limited assurance engagement is less than for a reasonable assurance engagement. Limited assurance engagements focus on aggregated data rather than physically checking source data at sites. Consequently, the level of assurance obtained in a limited assurance engagement is lower than the assurance that would have been obtained had a reasonable assurance engagement been performed.

Signed,



On behalf of HXE Partners LLC

July 5, 2022