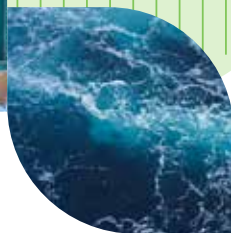


2023 SUSTAINABILITY REPORT

# Advancing the Global Shift Toward Sustainability





# About This Report

The 2023 Ecovyst Sustainability Report describes our sustainability journey and how we determine matters that are important to our stakeholders, including the initiatives and progress we have made to embed sustainability into our business practices, products, and services. Through this report, we are communicating the impact of our environmental, social, and governance (ESG) performance relative to material matters, goals, and objectives. The terms “we,” “us,” or “our” in this report refer to Ecovyst Inc. and its subsidiaries on a consolidated basis, unless we state, or the context implies, otherwise.

## Reporting Guidelines

This report has been prepared in accordance with the Global Reporting Initiative (GRI) Standards and the Sustainability Accounting Standards Board (SASB) and is guided by the United Nations Sustainable Development Goals (UN SDGs). Please see our disclosures under the indexes of GRI and SASB indicators from page 39 to 56, as well as SDG targets on page 15.

In this report, the use of the term “materiality” and other similar terms is intended to reflect our priority ESG issues. We are not using such terms as they are commonly used in the context of securities, financial statements, and/or financial reporting, in the United States or any other jurisdiction.

## Scope and Boundary

All information in this Sustainability Report relates to the operations of Ecovyst Inc. and its subsidiaries (Ecovyst) from January 1, 2023 through December 31, 2023, unless stated otherwise.

The report should be read along with our 2023 Annual Report on Form 10-K, which provides a more comprehensive disclosure of our financial and operating performance and is available at [www.sec.gov](http://www.sec.gov).

The organizational boundary for our verification in 2023 is Ecovyst’s global portfolio of facilities, including manufacturing, research and development, warehouse, and testing facilities. Additional information about our company and ESG issues can be found on the Ecovyst Inc. website at [www.ecovyst.com](http://www.ecovyst.com).

## Assurance

This report has been reviewed by the Chairperson of the HSES Committee of the Board of Directors and the Chief Executive Officer, who have approved it for issuance. Ecovyst engaged Futurepast: Inc. to conduct an independent third-party verification with a reasonable level of assurance on Ecovyst’s sustainability performance data for Scope 1 and 2 greenhouse gas emissions, water withdrawal, and mass of hazardous and nonhazardous waste generated according to the requirements of the WBSCD/WRI Greenhouse Gas Protocol Corporate Accounting and Reporting Standard for the calendar year 2023. Please refer to Futurepast: Inc.’s 2023 verification opinion provided to Ecovyst, dated June 2024, on page 57 of this report.

## Feedback

We welcome feedback on this report and look forward to receiving your comments and suggestions via email to [sustainability@ecovyst.com](mailto:sustainability@ecovyst.com).



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MESSAGE FROM OUR CEO

# Our Essential Role in Creating Sustainable Solutions

Ecovyst strives to make a positive and sustainable impact in the communities where we operate and for the customers that we serve. We accomplish this by practicing responsible stewardship of our resources and facilities and by partnering with our valued customers to develop sustainable technologies that will help the global economy conserve resources and reduce emissions.

The global shift toward sustainability has created opportunities for Ecovyst's product and services portfolio. We are proud and excited to play a key role in enabling this transformation by providing products and technologies that support clean and renewable fuels, advanced recycling, and bio-based processes.

## A History of Innovation

Ecovyst's history dates back more than 100 years, when our first sulfuric acid plant was built in San Francisco in the 1880s. Since then, our portfolio has evolved into two unique and attractive core business units, Advanced Materials and Catalysts (AM&C) and Ecoservices. Both of these business units have leading positions in clean fuels and clean transport, critical industrials, and emerging areas where our technology offers sustainable and low-carbon solutions.

Ecovyst's AM&C business unit provides catalysts and materials for emission controls, renewable fuels, high density polyethylene production, and hydrocracking. AM&C features a team of expert material scientists who partner with customers and academia on critical sustainable advancements, allowing us to develop a product pipeline aimed at the next generation of sustainable breakthroughs. Our sustainability-focused innovations include catalyst technologies for the immobilization of enzymes for green chemistry and

food applications, improved pyrolysis for the recycling of plastics, and the production of Sustainable Aviation Fuel (SAF).

Ecoservices is the leading provider of sulfuric acid regeneration services to the North American refining industry. Ecoservices' predecessor, Stauffer Chemical, pioneered this circular process in 1943 to support the World War II effort. In our sulfuric acid regeneration services, we take spent sulfuric acid that would otherwise be disposed of and regenerate it into fresh sulfuric acid to produce alkylate, the cleanest burning gasoline component. We also supply virgin sulfuric acid needed to produce copper, boron, and other minerals and metals that are essential for conductivity in green energy infrastructure.

Within Ecoservices we also offer our unique treatment services business, which diverts waste from landfills and deep well injection, and where our manufacturing sites recover energy value while safely incinerating the wastes. Our sites harness the by-product steam from the production process to generate electricity for reuse in our own operations or to supply power to the electricity grid.

## Our Core Purpose

Across both of our businesses, Ecovyst's core purpose is to deliver high performance products and reliable service and to form deep customer relationships. Achieving this purpose requires an organization where employees are highly empowered. Our Ecovyst colleagues make fast decisions and quickly customize solutions, accelerating progress on sustainable products and services. We also support our colleagues by making excellence and continuous improvement in Health, Safety, Environment, and Security (HSES) core to

everything we do. In fact, when it comes to HSES, Ecovyst "sweats the small stuff" by measuring our performance with our differentiated Perfect Days program.

Ecovyst holds itself to a high standard by striving for every day to be a "Perfect Day," which is a day without any significant safety or environmental incidents. The Perfect Days program encourages continuous improvement by investigating and preventing the smallest of incidents, even those that fall well below regulatory reporting levels. To further make Ecovyst a healthy, sustainable workplace, we launched our first employee wellness program in 2023. The wellness program included numerous runs, walks, and bike races, as well as a 90-day company-wide steps challenge in which Ecovyst employees collectively walked a distance equal to three times around the globe.

## "Platinum" Recognition for our Sustainable Efforts



Thanks to our ongoing sustainability efforts, in early 2024 our EcoVadis Sustainability rating improved to the highest rating, Platinum. This rating places Ecovyst in the top 1% of all

companies rated in the prior 12-month period by EcoVadis, the world's largest and most trusted provider of business sustainability ratings. The EcoVadis sustainability assessment methodology evaluates how well a company has integrated the principles of Sustainability/Corporate Social Responsibility into its business and management systems. Since 2021, Ecovyst has achieved a higher EcoVadis sustainability rating each year, reflecting our company's strong organizational alignment and focus on sustainability.

## Looking Ahead

Looking ahead, we will build on our accomplishments in 2023 through our commitment to continuous improvement. Our cutting-edge research and development (R&D) process remains focused on innovations that will drive the sustainable economy

of the future. We are also expanding efforts to reduce greenhouse gas intensity in our own operations and across our value chain through energy optimization projects, software technology, and the potential future uses of artificial intelligence. Ongoing improvements in our HSES organization and professional development programs help us implement the highest health and safety standards for all employees and stakeholders. The sustainability goals we set for 2025 and 2030 will guide us through the next several years.

Ecovyst's core businesses are firmly rooted in cleaner and more sustainable products. This focus and orientation will allow us to play a pivotal role in advancing technologies for other critical sustainability efforts. We are excited about the future and Ecovyst's role in promoting a cleaner and more sustainable planet.



**Kurt Bitting**  
Chief Executive Officer



# Our Global Footprint

## ECOVYST AT-A-GLANCE



911  
employees  
worldwide

14  
global  
locations

\$691M  
in revenue  
in 2023

70%  
AM&C  
sustainable product  
sales revenue



## Our Global Operations

- Plant Sites Ecoservices**  
Baton Rouge, LA; Baytown, TX; Dominguez, CA; Hammond, IN; Houston, TX; Martinez, CA; Orange, TX; Portland, OR
- Plant Sites AM&C**  
Kansas City, KS; Delfzijl, NL
- Manufacturing Network**  
Ghent, BE; Pasuruan, ID; Rio Claro, BR; S. Korea; Warrington, UK
- R&D Centers**  
Amsterdam, NL; Conshohocken, PA; Houston, TX; Warrington, UK
- Headquarters**  
Malvern, PA



5  
Manufacturing  
Networks



4  
R&D  
Centers

10  
Plant Sites



Rio Claro, Brazil

Pasuruan, Indonesia

S. Korea



# Your Catalyst for Positive Change

## Enabling sustainability through two specialty business units

Ecovyst is a leading provider of advanced materials, specialty catalysts, and services that play a critical role in accelerating the transition to a sustainable future.

With our expertise in material science, global research and development footprint, and strategically located manufacturing network, we partner with our customers to create novel solutions and advanced production processes that increase the sustainability of mature businesses and advance the development of emerging technologies needed for a safer, cleaner, and healthier world. This strategic direction, combined with our company-wide commitment to sustainability and focus on environmental stewardship, make Ecovyst a catalyst for positive change.

We operate through two uniquely positioned, specialty businesses:

- **Ecoservices** is the leading provider of sulfuric acid regeneration services for the North American refining industry by supporting the production of alkylate, a key component in cleaner-burning fuels. Ecoservices also provides virgin sulfuric acid needed for the production of a multitude of materials, waste treatment services that divert materials from landfills and deep well injection sites, and catalyst activation for renewable fuels.
- **Advanced Materials & Catalysts (AM&C)** is a leading provider of customized silica and zeolite technologies that support the clean-energy transition and the circular economy for plastics. AM&C catalysts and supports, functionalized silicas, and zeolites enable the production of sustainable fuels and lighter weight polyethylene-based plastics. They also enable plastic recycling through catalyzed pyrolysis and carbon capture.

## Ecoservices




"At Ecoservices, we apply over 100 years of manufacturing experience in our sulfuric acid product lines to develop innovative products and services that are accelerating the shift to a more sustainable economy. Our business sits at the center of several important sustainability trends, including the regeneration of sulfuric acid, heat generation from difficult-to-treat waste streams, the manufacture of virgin sulfuric acid to support metal production for electrification, and the creation of catalyst products that enable more efficient fuel production.


Along with the positive contributions from our product lines, we are committed to continually improving the sustainability of our operations through initiatives to reduce our greenhouse gas emissions, water consumption, and use of chemicals. These efforts will help us reach our own sustainability goals while we continue helping our customers address their sustainability priorities today and well into the future."


**George L. Vann**  
President, Ecoservices


### Ecoservices' Evolution

From its roots in sulfuric acid processing, our Ecoservices business unit has evolved to offer four distinct product lines that are all dedicated to services that have a positive impact on our planet:

 **Regeneration Services.** We regenerate approximately 4.4 million barrels of spent sulfuric acid annually. The process takes waste materials that would otherwise be sent to landfills or deep well injection and uses them to create alkylate, the most desirable fuel blending component in high-octane fuels, used to meet stringent emissions requirements and other clean fuel specifications.

 **Virgin sulfuric acid.** Our specialty, high-quality grades of sulfuric acid are used in industrial and mining applications, including the extraction of copper borates and lithium that are in high demand for sustainable energy sources and electric vehicles.

 **Chem32.** Our catalyst activation product line is Ecoservices' highest growth area, driven by the rising demand for cleaner, renewable fuels. Chem32 serves high-impact businesses by activating catalysts for renewable fuel production, as well as other refining catalysts that help provide clean fuels.

 **Treatment Services.** We improve the sustainability of businesses through the treatment of our customers' hard-to-dispose-of hazardous and nonhazardous materials. We convert these materials to energy, which in turn reduces our use of natural gas and results in our own electricity generation.



"Every day you hear news about the impact of climate change and the need to reduce carbon dioxide (CO<sub>2</sub>). We are one of the leading innovators tackling this challenge through our advanced materials and catalysts, which in part are focused on carbon capture and storage and the replacement of fossil-based fuels with renewable diesel and sustainable aviation fuels. In addition, we promote the circular economy through products that capture and recover high-value metals from waste streams and that reduce the energy intensity of plastics recycling.

Our deep scientific expertise and advanced manufacturing capabilities allow us to develop, scale, and commercialize critical materials that help our customers accelerate the development of sustainable solutions. At the same time, we are committed to maximizing the sustainability and safety of our own operations to improve the lives of our people, our communities, and the planet."

**Paul Whittleston**  
President, Advanced Materials & Catalysts



### Advanced Materials & Catalysts' Evolution

Over the past four decades, we have cultivated deep research and development expertise and a flexible global production capability dedicated to modifying silica and zeolite materials to enable the creation of high-value products. Our strong focus on developing products for emerging and sustainable markets inspired us in 2023 to expand our focus beyond catalysts and in to broader material science, leading us to rename our business segment to Advanced Materials & Catalysts. Today, we operate through two primary technologies:



**Advanced Silicas.** We have built on our legacy of creating silica catalysts that make polyethylene plastics lighter and stronger by developing new silica materials, such as our advanced silica product lines that address emerging sustainability initiatives; enzyme immobilization in food applications and chemical and biomass-based processes; and solutions for carbon capture and water cleanup. These products are marketed under the names AlphaPol™ polyolefin catalysts, AlphaCat® chemical catalysts, and AlphaSelect® functionalized silicas.



**Zeolyst International.** Our advanced zeolite-based materials play a key role in lowering fuel emissions, creating renewable diesel and sustainable aviation fuel, and enabling advanced plastics recycling processes that require less energy and result in pyrolysis oil that can be sold or further processed into higher value products. These products are marketed under the names Opal Renew™ for renewable fuels production, Opal Infinity™ for advanced recycling, Opal Pure™ for emission control applications, Opal Blue™ for clean water applications, and Opal Velocity™ for hydrocracking.

## Our Approach to Sustainability

### A continuous sustainability journey guided by quantifiable goals



At Ecovyst, we have a unique internal and external focus on sustainability that sets us apart. We are proud that our technologies, inorganic products, acid regeneration business, and treatment services provide sustainable solutions for our customers, while our focus on environmental compliance, health and safety, and community engagement have a measurable positive impact on the planet, our people, and the communities in which we operate.

Internally, we've put our sustainable values into action through our Environmental Management System, our Health, Safety, Environmental, and Security (HSES) policy, and our Human Capital Strategy. We are committed to continuous improvement in all three areas. For example, we are optimizing our facilities to reduce natural gas consumption and expand the use of our plants' turbine generators to produce more on-site electricity, reducing the amount of energy we procure from non-renewable sources. In 2023, our average power generation from Ecoservices' turbine generators was 70,682 megawatt hours, equal to the amount of energy used on average by over 6,700 homes each year.

At the same time, both our Ecoservices and Advanced Materials & Catalysts business units are making contributions to sustainability today—such as providing ingredients for blending cleaner-burning fuels—while helping create the next generation of sustainable technologies. Our cutting-edge R&D capabilities and close collaboration with customers are accelerating the development of essential environmental solutions, such as carbon capture storage and reuse and renewable diesel and sustainable aviation fuels.

Our commitments to promoting sustainability internally and externally are evident in the work we do, and we have set quantifiable environmental, social, and governance (ESG) goals and targets to guide our progress and demonstrate our accountability to our aspirations. We are focused on delivering meaningful improvements each year to meet our near- and long-term sustainability goals. For example, for this year's report, we obtained a higher level of assurance for some of our sustainability performance data (i.e., Scope 1 and 2 greenhouse gas emissions, water consumption, and mass of hazardous and nonhazardous waste generated) from our third-party verification partner, Futurepast: Inc. I am proud of Ecovyst's continued progress in its mission to advance our company's own sustainability and the sustainability goals of our customers.

**Colleen Grace Donofrio**  
Vice President of Environment and Sustainability







# The Targets that Guide our Strategy

To guide our sustainability journey, we set specific goals related to environmental metrics, sustainable product development, responsible procurement, health and safety, and community engagement. We regularly review our sustainability strategies and progress, looking for opportunities to refine these goals based on additional data and in response to changing demands.

Through this review process, we identified several changes to our 2025 and 2030 sustainability goals, including:

- A revised goal for managing greenhouse gas emissions that places a new emphasis on a network-wide reduction in natural gas usage and sets targets for increased on-site generation of electricity and/or use of renewable energy, to meet our electricity needs.
- A new target for the percentage of gross sales in our Advanced Materials & Catalysts business from products that enable sustainable applications.
- Adding Total Recordable Incident Rate targets in addition to our unique Perfect Days metric to maintain our high standards for health, safety, and the protection of the environment through our operations.
- Formalizing a program that encourages employees to take up to 8 hours per year in paid volunteer leave to enhance our community engagement.

You will find more discussion on our progress toward specific goals in the related sections of this report.



SUSTAINABILITY GOALS	2025	2030
Fuel Usage	Implement a network-wide natural gas optimization plan	Achieve ~10% reduction in natural gas usage or obtain equivalent offsets
Power Usage	Achieve 65-70% of electricity usage from on-site generation and/or renewable energy by EOY	Achieve 75-80% of electricity usage from on-site generation and/or renewable energy
Waste Management	Achieve 40% reduction of on-site hazardous waste generation	Achieve an additional 10% reduction of on-site hazardous waste generation
Water Management	Perform a water balance covering at least 50% of the water supply volume by EOY	Implement projects identified in water balances to reduce water usage by ≥ 10%
Product Sustainability	Achieve 65% AM&C gross sales revenue from products enabling sustainable applications	Achieve 75-80% AM&C gross sales revenue from products enabling sustainable applications
Responsible Procurement	Assess 100% of strategic suppliers	Report on score improvements
Health & Safety Metrics	Achieve a Total Recordable Incident Rate (TRIR) of ≤0.45	Achieve a Total Recordable Incident Rate (TRIR) of ≤0.25
HSE Performance	Achieve Perfect Days within each business unit of ≥ 92%	Achieve Perfect Days within each business unit of ≥ 95%
Governance	Require all employees to have annual ethics and compliance training each year	Obtain ISO 37001 certification of an Anti-bribery Management System under ISO 37001
Community Engagement	Standardize tracking of all community engagement activities and permit all employees to take up to 8 hours/year paid volunteer leave	Continue to permit all employees to take up to 8 hours/year paid volunteer leave with a goal of at least 1,800 hours of volunteer time per year

2019 is the baseline for reduction goals.





# Awards and Recognition

## EcoVadis Platinum Rating



Our ongoing investments in sustainability earned Ecovyst a Platinum Sustainability Rating from EcoVadis based on calendar year 2023. This is an improvement over our Gold rating for calendar year 2022. This Platinum rating places Ecovyst in the top one percent of companies rated by EcoVadis over the prior 12-month period and reflects the advancements we’ve made across 21 sustainability criteria under 4 key sustainability themes: Environment, Labor and Human Rights, Ethics, and Sustainable Procurement.

EcoVadis is the world’s largest provider of business sustainability ratings, with a global network of more than 130,000 rated companies. The EcoVadis sustainability assessment methodology evaluates how well a company has integrated the principles of Sustainability/Corporate Social Responsibility into its business and management systems. The methodology is built on international sustainability standards, including the GRI, the United Nations Global Compact, and ISO 26000.



## 2023 Ecovyst Sustainability Leadership Award Winners

We have empowered our team members to drive sustainability improvements across our organization through the Ecovyst Sustainability Leadership Award program. Launched in 2022, these awards recognize Ecovyst sites, work teams, and individual employees that demonstrate meaningful sustainability improvements in the areas of climate change reduction, product/process innovation, and social engagement.

We received applications covering 17 outstanding projects in 2023 and named the following 3 award winners:

### Ecovyst Environmental Initiative Award for the Most Impactful Climate Change Reduction Project

– Awarded to the Ecoservices Hammond site for a Demineralization System Improvement Project resulting in a substantial reduction in water consumption and chemical procurement and a management system to monitor and minimize resin regeneration cycles and maximize holding times. Read more about this project on page 29.

### Ecovyst Sustainable Innovation Award for the Best New Sustainable Product and/or Process

– Awarded to the Conshohocken Zeolyst International team for developing an innovative catalyst to produce renewable diesel (RD) fuel and Sustainable Aviation Fuel (SAF) from renewable sources. Read more about this project on page 24.

### Ecovyst Community Impact Award for the Most Impactful Social Contribution

– Awarded to the Ecoservices Martinez site for ongoing community engagement through its Community Advisory Panel (CAP), founded in 1992, and its support for numerous other community organizations and events. Read more about these programs on page 37.



## SUSTAINABILITY GOVERNANCE

# Shared Responsibilities Across Our Organization

## UN Sustainable Development Goals (SDGs) & UNGC Ten Principles

Ecovyst became a participant member of the United Nations Global Compact (UNGC) in 2023. UNGC is an UN-led initiative that encourages companies to do business responsibly by aligning strategies and operations with the Ten Principles on human rights, labor, environment, and anti-corruption. We value our membership and look forward to continuing our commitment to building a sustainable future.

Ecovyst has also aligned its sustainability strategy with the UN SDGs. We continue to deliver improvements across seven of the UN SDGs through our products and services that promote sustainability—such as our advanced materials that reduce emissions, promote clean water, and enable renewable fuels—as well as through our health, safety, human capital, and community engagement programs.



Our Board of Directors (BOD), including the BOD Health, Safety, Environment, and Security (HSES) Committee, provides global oversight of the Company’s sustainability efforts. The Committee reviews the status of sustainability policies, initiatives, and performance and provides input regarding current and emerging sustainability trends.

Our Chief Executive Officer is responsible for setting the strategic direction of Ecovyst’s sustainability approach and processes, with assistance from the Senior Leadership Team, including the Vice President (VP) of Environment and Sustainability, and other members of the Management Team. The VP of Environment and Sustainability oversees the implementation of Ecovyst’s sustainability initiatives and monitors Ecovyst’s goals and targets, with the aid of the Director of Sustainability. The Director of Sustainability works collaboratively with various teams, functions, and members of the Management Team to implement our sustainability goals and initiatives and manage our ESG data.







# Our 2023 Environmental, Social, and Governance (ESG) Materiality Matrix

Ecovyst’s performance and ability to create shareholder value are impacted by various environmental, social, and governance (ESG) factors. In 2023, we conducted a comprehensive materiality assessment— guided by the GRI process of identification, prioritization, and validation—to identify specific ESG factors that are material to our company and to our stakeholders. Ecovyst identified specific material matters to better define our strategies and to guide development of plans that focus on issues that are most important to us. Identification of our material matters also helps us allocate our resources more effectively to manage emerging issues and meet our stakeholders’ expectations. Thus, this report has been written for a range of audiences, providing balanced and relevant content with a narrative that embodies stakeholder inclusiveness. For more on our stakeholder engagement, see page 17.

Within this report and on our regularly updated website, you will find many of the required ESG disclosures that pertain to the contents of this matrix. Please keep the matrix in mind as you read this report.



# Stakeholder Engagement

We identified eight stakeholder groups representing parties who are either able to influence our operations and/or reputation or are potentially impacted by what we do. These groups include government or regulatory authorities, employees, local communities, customers, suppliers, shareholders, R&D community, and industry associations.

Each group is important to us as we develop and implement our sustainability strategies and initiatives. We are also committed to building relationships with our stakeholders via open and transparent communication. We accomplish these goals through established engagement platforms in which we update our stakeholders on our operations, performance, and direction, while obtaining feedback on their needs, interests, and expectations.

Stakeholder	Areas of Interest	How We Engage
Governments/Regulators	<ul style="list-style-type: none"><li>• Compliance</li><li>• Collaboration for sustainability</li><li>• Policy &amp; regulatory directions</li></ul>	<ul style="list-style-type: none"><li>• Inspections &amp; audits</li><li>• Meetings &amp; other communication channels</li><li>• Governmental conferences &amp; events</li></ul>
Employees	<ul style="list-style-type: none"><li>• Safe &amp; inclusive working environment</li><li>• Career development</li><li>• Competitive remuneration</li><li>• Company culture</li></ul>	<ul style="list-style-type: none"><li>• Town hall meetings</li><li>• Reports, email announcements, newsletters &amp; videos</li><li>• Surveys</li><li>• Training programs</li><li>• Social media</li><li>• Team Building, Wellness Events &amp; Corporate Social Responsibility Activities</li><li>• Union/Works Council/other employee representative bodies</li></ul>
Local Communities	<ul style="list-style-type: none"><li>• Community development</li></ul>	<ul style="list-style-type: none"><li>• Philanthropy &amp; donations to local organizations</li><li>• Employee volunteers</li><li>• Exhibition related events</li></ul>
Customers	<ul style="list-style-type: none"><li>• Customer experience</li><li>• Quality management</li></ul>	<ul style="list-style-type: none"><li>• Meetings &amp; other communication channels</li><li>• Innovative collaboration</li><li>• Industry partnerships</li><li>• Customer satisfaction surveys</li></ul>
Suppliers	<ul style="list-style-type: none"><li>• Transparency</li><li>• Business relationship &amp; development</li><li>• Community development</li></ul>	<ul style="list-style-type: none"><li>• Supplier audits</li><li>• Supplier surveys</li><li>• Supplier Code of Conduct</li><li>• Periodic performance evaluation</li></ul>
Investors/Shareholders	<ul style="list-style-type: none"><li>• Business direction &amp; activities</li><li>• Financial performance</li><li>• Sustainability indices</li></ul>	<ul style="list-style-type: none"><li>• Annual Reports &amp; Sustainability Reports</li><li>• Proxy statements &amp; SEC filings</li><li>• General meetings</li><li>• Investor briefings</li><li>• Conference calls</li><li>• Ratings &amp; indices</li></ul>
R&D Community	<ul style="list-style-type: none"><li>• Scientific ventures</li><li>• Sustainable business growth</li></ul>	<ul style="list-style-type: none"><li>• Research partnership &amp; collaboration</li><li>• Knowledge sharing events &amp; seminars</li></ul>
Industry Associations	<ul style="list-style-type: none"><li>• Sustainable initiatives</li><li>• Industry developments</li><li>• Building network</li></ul>	<ul style="list-style-type: none"><li>• Industry forums</li><li>• National &amp; international conferences</li><li>• Networking events</li></ul>

# Sustainability-Led Business Principles

## Leadership Structure

We embed sustainability throughout our organization with a strong corporate governance structure that includes Board and executive-level oversight and policies that clearly detail our expectations for ethical business practices, risk management, and responsible sourcing. The Ecovyst senior leadership and Board of Directors provide oversight for the company and guide our corporate governance framework. Our Board of Directors consists of a majority of independent directors as required by the listing standards of the New York Stock Exchange. In 2023, our board included two directors who identify as women and three directors who identify as ethnically diverse. The Board of Directors also maintains four key committees that, among other responsibilities, oversee specific functions at Ecovyst:

- **Health, Safety, & Environment Committee:** Provides oversight of the company's health, safety, environmental, security, and sustainability policies, processes, initiatives, and the company's performance in those areas.
- **Audit Committee:** Oversees the company's accounting and financial reporting process, audits of the company's financial statements, the company's enterprise risk management program, and the company's cyber security processes and procedures.
- **Compensation Committee:** Oversees Ecovyst's employee benefits and compensation program.
- **Nominating and Corporate Governance Committee:** Identifies and recommends nominees for election to the Board. Identifies and recommends governance best practices. Oversees and evaluates the Board and its dealings with management.

To learn more about our corporate governance and Board structure please see our [2024 Proxy Statement](#).

## Ethics and Compliance

At Ecovyst, our core values are stewardship, high standards, integrity, and engagement, reflected in the acronym "SHINE."

These values inform how we interact with team members, customers, vendors, and the communities where we work and live. We require our team members to make ethical decisions, maintain a safe and fair work environment, and report ethical concerns and violations in accordance with our Code of Conduct. We are committed to conducting our business in strict compliance with the laws of the countries where we operate and sell our products in a manner fully protective of human rights.

## Code of Conduct

Our Code of Conduct establishes ethics and compliance principles for all employees based on our core values, such as providing a safe workplace, respecting the environment and our communities, and avoiding conflicts of interest. Each employee receives Code of Conduct training upon joining our team. In 2022, we introduced a revised Code of Conduct, on which all employees received training in 2023. Please see the complete Code of Conduct [here](#).

100% of employees received Code of Conduct training in 2023.



## Policies to Maintain Ethical Standards and Compliance

In addition to our Code of Conduct, Ecovyst maintains other robust policies to uphold its ethical standards and ensure that the company remains compliant with regulations and industry guidelines for internal controls, risk management, and fraud deterrence. These policies include:

- Sarbanes Oxley Compliance (SOX)
- Whistleblower and Complaint Investigation Policies
- Human Rights Policy
- Data Privacy and Cybersecurity

Please read more about each of these on our [Policies](#) page.

## Enterprise Risk Management

We maintain a rigorous Enterprise Risk Management (ERM) process to help our team identify, evaluate, and work to mitigate the various risks our company faces. Key efforts include:

- A CEO-led multi-disciplinary ERM Council that oversees our internal ERM efforts, including risk reduction measures for operational, strategic, financial, legal, regulatory, reputational, environmental, safety, and other risks arising from our business units.
- Our General Counsel, Director of Internal Audit/SOX Compliance, and other employees regularly review items in our risk profile and the efforts to mitigate those risks with our Board's Audit Committee.
- We refresh our risk analysis on a continual basis in an effort to ensure that Ecovyst is identifying emerging risk areas, not taking unreasonable risks, and implementing appropriate mitigation measures for identified risks.

## Business Continuity and Succession Planning

We carry out business continuity and succession planning as part of our risk management efforts. To help ensure business continuity, Ecovyst maintains risk response and action plans at each of its sites to allow site managers and employees to react swiftly and deal effectively with events and incidents that could otherwise result in major damage to the organization, its employees, products, services, and reputation, such as environmental releases, weather events, and natural disasters.

We carry out succession planning for Ecovyst executives and all salaried employees to ensure continuity in those positions. Where possible, we identify internal candidates for succession. For company leaders below the executive level, we conduct succession reviews to evaluate leaders' potential to advance further in the organization and to identify future leaders to fill their positions.

## Product Safety and Stewardship

Ecovyst creates innovative advanced materials and catalysts that help our customers develop and advance sustainable solutions. With rising demand for products with an improved sustainability profile, we have focused our research and development (R&D) investments on projects that will accelerate the transition to a cleaner, greener economy. You'll find more details about our R&D process and sustainable product pipeline on page 23.

Because our products play a key role in enabling sustainable end uses, we have a responsibility to ensure they are created, distributed, and used in a responsible way. Our product safety and stewardship processes help ensure that our products are safe for our people, our communities, our customers, and the environment at every point in the life cycle, from production to their ultimate disposition. We are dedicated to designing, manufacturing, marketing, and distributing these products in a responsible, sustainable, and ethical manner.







## Product Safety

We take active steps to advance product safety, including:

- Developing and delivering products that are safe for their intended use throughout their life cycle, including manufacturing, transport, use, and ultimate disposition.
- Working to minimize long-term impacts on health, safety, and the environment.
- Ensuring our products comply with regulations in the jurisdictions where they are manufactured and sold.

We register products manufactured and sold in the European Union under the REACH® program, and all commercial products sold in the United States comply with the U.S. Environmental Protection Agency's TSCA Inventory requirements.

Our products are generally classified as safe and low-risk materials that are not included on regulatory lists of chemicals of concern. When used as intended, our products do not pose a significant risk to the environment or to consumers, based on their chemical and physical properties, as well as their toxicological and ecotoxicological profiles.

**More than 80% of our catalyst products are classified as nonhazardous by the GHS and the UN Model Transportation regulations.**

## Product Stewardship

We are committed to the Global Product Strategy (GPS), which is designed to improve product stewardship actions and to increase public awareness and confidence that chemicals in commerce are safely managed throughout their life cycle. Our implementation of GPS principles includes:

- Comprehensive guidance and support to our commercial partners and other relevant stakeholders. We ensure they are equipped with the necessary information and assistance for optimal use of our products.
- Regular internal and external audits to ensure the effectiveness of our product stewardship initiatives. These audits encompass a comprehensive examination of our product approval procedures, evaluation of product information management, and verification of our supply chain's active participation in managing the life cycle of our products.
- Promoting recycling for end-of-life management of our products, thereby reducing our impacts on the environment, the community, and taxpayers.

## Safe Transportation

We are dedicated to the safe transportation of products by truck, rail, and barge. We ensure shipments and safety measures comply with the requirements of relevant governing bodies, including the U.S. Department of Transportation (DOT) and the U.S. Coast Guard. Our safe transportation processes include:

- Vetting drivers and equipment for products shipped by truck. To ensure compliance with DOT safety regulations, we provide drivers with training and perform regular reviews and inspections.
- Ensuring shipment by rail complies with Federal Railroad Administration regulations. In addition, we lease our railcars long-term and have proactively implemented additional safety measures, such as using thicker steel in rail car bodies, installing domed lids to provide extra protection in the event of a derailment, and utilizing corrosion-resistant stainless steel flanged fittings. We require third-party carriers to use the same fittings.

- Complying with U.S. Coast Guard regulations for safety and maintenance for transportation of products by barge. In addition, we contract with tugboat companies to haul our barges, conducting regular audits to ensure they remain compliant with U.S. Coast Guard regulations.
- Inspecting new customers' sites to ensure they can receive our products safely. We conduct additional safety audits and on-site customer training as needed.

## Sustainable and Ethical Sourcing

Our business depends on maintaining a stable and reliable supply of the raw materials used by our Ecoservices and Advanced Materials & Catalysts operations. We have implemented several sustainable and ethical sourcing practices to ensure the continuity and sustainability of our supply chain. These practices include:

- Identifying multiple sources of necessary materials, when possible, to ensure options are available in periods of limited supply.
- Sourcing materials in accordance with the Ecovyst [Supplier Code of Conduct](#).
- Assessing suppliers' environmental, health, and safety compliance with applicable laws and regulations.

## Business and Site-Specific Certifications



Our sites have attained both business level and site-specific certifications such as ISO9001, RC14001®, and ISO14001.



Our corporate-level RC14001 certification applies to our US operations, and our EU location maintains site-specific ISO 14001 certificates. We obtain other site-level certifications as needed based on the products manufactured and the industries we serve. These certifications may include Halal, Kosher, and cGMP certifications or alignment. Please refer to our website for a [complete list of certifications by site](#).



## Excellence in Rail Transport

In 2023, Ecovyst received safe handling and product stewardship awards from all three of our major rail carriers—BNSF Railway, Union Pacific, and Canadian National Railway.

- **BNSF Product Stewardship Award** Awarded annually to customers that ship hazardous material with zero non-accidental releases (NARs) of product the previous year. Only 115 shippers received this award in 2023.
- **Union Pacific Pinnacle Safety Award** Awarded annually to honor customers who implement release prevention protocols, corrective action plans, and have zero NARs of regulated hazardous materials shipments. Fewer than 100 shippers receive this award annually.
- **Canadian National Safe Handling Award** Awarded each year to customers that ship hazardous material with zero NARs of product the previous year. Fewer than 300 shippers receive this award annually.

## Animal Welfare

Ecovyst extends our commitment to product safety to animal welfare. We do not conduct studies using animals except where required by law or to ensure the safety of our products when non-animal alternatives are not yet available.





# Advancing Sustainability through Innovative Products and Operational Improvements

Ecovyst is uniquely positioned to address environmental sustainability through our two-part strategy: Offering a portfolio of products and services that enable our customers to create sustainable solutions, while reducing the environmental impact of our own operations.

Our existing products and services, as well as our R&D process, are focused on delivering key environmental benefits, such as combating climate change through cleaner and renewable fuels, conserving resources, protecting clean water, and reducing waste by promoting circular processes for reuse and recycling. We are simultaneously pursuing similar goals for our own operations through efforts to reduce our company's carbon footprint, manage and reduce waste, and conserve water in our production processes.

We follow a detailed Environmental Management System to guide our sustainable transformation and are continually launching initiatives to improve our environmental performance, several of which are highlighted in this section of the report.



## Innovations that Enable the Sustainable Future

We apply our expertise in advanced materials and catalysts to accelerate the shift to a sustainable economy. With an extensive R&D team that includes material scientists, chemists, and chemical engineers, and our global R&D and production network, we are a leading sustainability partner for our customers—helping businesses in multiple industries conceive, test, develop, and commercialize solutions that address some of the world's most pressing environmental challenges.

Our R&D teams have focused their innovation efforts on emerging sustainable technologies and critical environmental trends, such as:

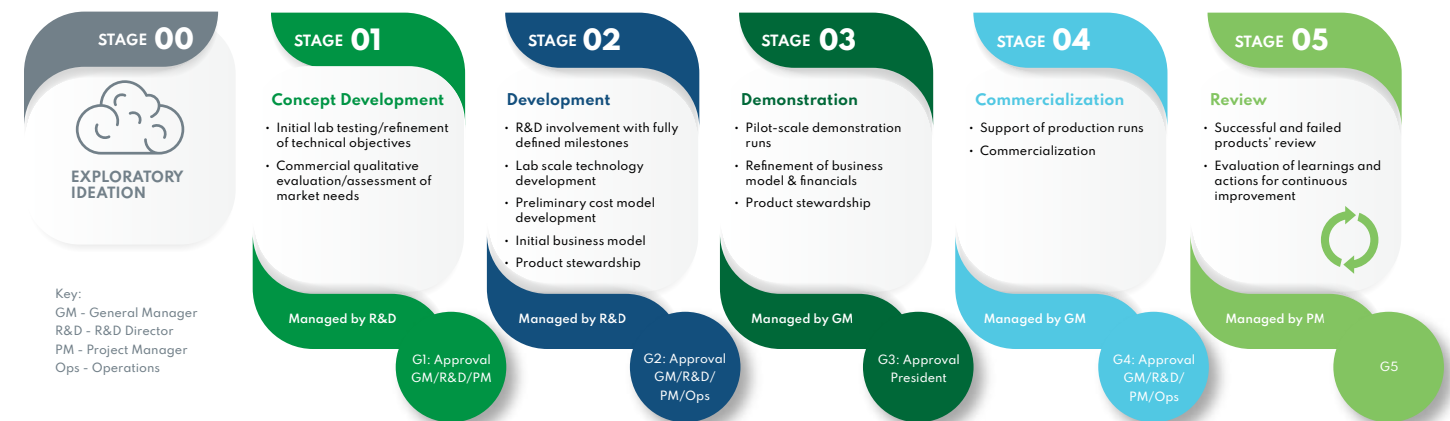
- Decarbonizing diesel-based vehicles and air transport.
- Carbon capture, storage, and reuse.
- Enzyme immobilization for food, chemical, and biomass-based processes.
- Metals recovery and water clean-up in industrial processes.
- Advanced recycling of plastics through catalyzed thermal pyrolysis.

Our commitment to sustainable innovation is already evident: In 2023, 70% of gross sales revenue for our AM&C business came from products that enable sustainable applications. Our goal is to increase that figure to 75%-80% by 2030.

## Our Innovation Process

Ecovyst's R&D teams work closely with our customers to create tailored products that deliver specific sustainable outcomes. In 2023, we adopted a formal stage-gate innovation process to take new products from concept to commercial application.

### Stage-Gate Process for Catalyst Technologies



## Our Global R&D Centers

Ecovyst operates a network of four R&D centers around the world to meet our customers' growing need for sustainable solutions.

### Conshohocken, PA

#### R&D Center & Pilot Plant

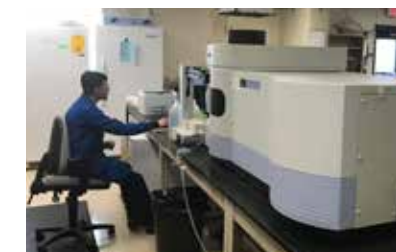
Novel Development for Catalysts, Supports, and Advanced Materials



### Houston, TX

#### Ecoservices Houston Site

Analytical and Development Center



### Amsterdam, NL

#### Shell R&D Center

Refining Catalysts Development for the Zeolyst JV with Shell



### Warrington, UK

#### R&D Center

Novel Catalysts Development for Finished Catalysts and Supports







## Building a Pipeline of Advanced Sustainable Solutions

Through our focus on innovation, we are expanding Ecovyst's already extensive portfolio of products that address core sustainability goals. We have several products under development that enable emerging technologies needed for cleaner air, cleaner water, and responsible use of resources, including:

- Bio-catalysts for enzyme immobilization in food, chemical, and biomass-based processes.
- Functionalized silicas for recovering metals and cleaning water used in industrial processes.
- Functionalized silicas for carbon capture, storage, and reuse.
- Zeolites for renewable diesel and sustainable aviation fuel production.
- Catalysts for alcohol-to-jet fuel production, which converts alcohol from renewable resources into sustainable aviation fuel.
- Zeolite catalysts that enable more efficient thermal pyrolysis for recycling plastics.

## Catalyst for Renewable Diesel and Sustainable Aviation Fuel: The Ecovyst Sustainable Innovation Award for the Best New Sustainable Product

Renewable fuels offer the greatest potential for decarbonizing heavy-duty diesel and aviation fuel. Ecovyst has been working in the renewable fuels industry since 2020, and in 2023 our Conshohocken Zeolyst International team developed an innovative zeolite catalyst that helps create renewable diesel (RD) and sustainable aviation fuels (SAF) from plant-based oils, animal fat, waste cooking oil, or biomass.

RD and SAF have a carbon footprint that is 80% lower than petroleum-based diesel and aviation fuel. Our product also supports the conversion of biomass to ethanol and then to jet fuel, which lowers greenhouse gas emissions by 60%-80% compared with petroleum-based fuels.

With more production facilities for RD and SAF coming on-line around the world, this innovation from our Conshohocken Zeolyst International team will play a key role in meeting growing demands for these fuels.

## Reducing the Environmental Impact of our Operations

Ecovyst is pursuing a broad-based strategy for advancing sustainable practices across our operations. Guided by our commitments to environmental stewardship and continual improvement, we have developed a series of policies and practices that share responsibility for these efforts at all levels of the company—from senior management to the employees in charge of our daily operations.

We employ a team of environmental and sustainability professionals to lead our company's environmental management program, improve processes, and clearly spell out performance expectations through initiatives such as our Health, Safety, Environment & Security (HSES) program and Environmental Management System. All employees receive training to help them understand and uphold our HSES commitments, and to create a work environment that's safe for the environment, themselves, our communities, and our customers.

## Environmental Management System

We operate our facilities under a company-wide environmental management system that includes governing policies, detailed implementation procedures, ongoing monitoring, and routine audits to measure our environmental performance, as well as to identify opportunities for improvements in energy efficiency, waste reduction, recycling, and water use.

Key features of our environmental management system include:

- Adherence to strict regulatory requirements, operating permits, and industry standards, as well as Ecovyst's 20 Behavioral Safety and Operational Safety Principles.
- Compliance tracking systems that define the policies and practices needed to uphold environmental requirements at the facility level. These systems guide our employees in day-to-day decision making by identifying hundreds of tasks, including scheduled maintenance, instrument calibration, and routine checks. The system also assigns responsibility for completing identified tasks to specific individuals, such as our process engineers and unit managers.
- Periodic audits to evaluate each facility's performance against our 20 Behavioral Safety and Operational Safety Principles, industry standards, such as RC®14001 and ISO14001, and health, safety, and environmental regulatory requirements.
- Process safety investigations of any event, even minor spill containment issues, to determine potential environmental impacts, root causes, future preventative actions, and opportunities for improvement.
- Integration of environmental impact assessments in all capital improvement decisions, and examination of the potential environmental impacts of proposed process and operational changes through a Management of Change (MOC) Process.
- Transportation risk assessments to evaluate environmental impacts and improvement opportunities based on the types of materials transported and the mode of transportation. We conduct similar assessments with our third-party transportation relationships as part of our ongoing performance criteria and evaluation process.



## Level 3 Releases

Level 3 releases are our classification of releases that have significant off-site impacts. Thanks to the diligence of our team members and through our Environmental Management System and HSES policy, we have had zero (0) Level 3 environmental releases at any of our sites since 2016.

## Carbon Disclosure Project (CDP)

Ecovyst submitted responses to the CDP Climate Change Questionnaire on July 26, 2023 and received a CDP score of C for the information disclosed.



## Greenhouse Gas Emissions

Reducing greenhouse gas emissions throughout the global economy is essential to averting the impacts of climate change, and Ecovyst is committed to doing our part in that effort. We have been calculating the Greenhouse Gas (GHG) impacts of our U.S. facilities and select global sites since 2018, and are accelerating our initiatives to control GHG emissions from our operations.

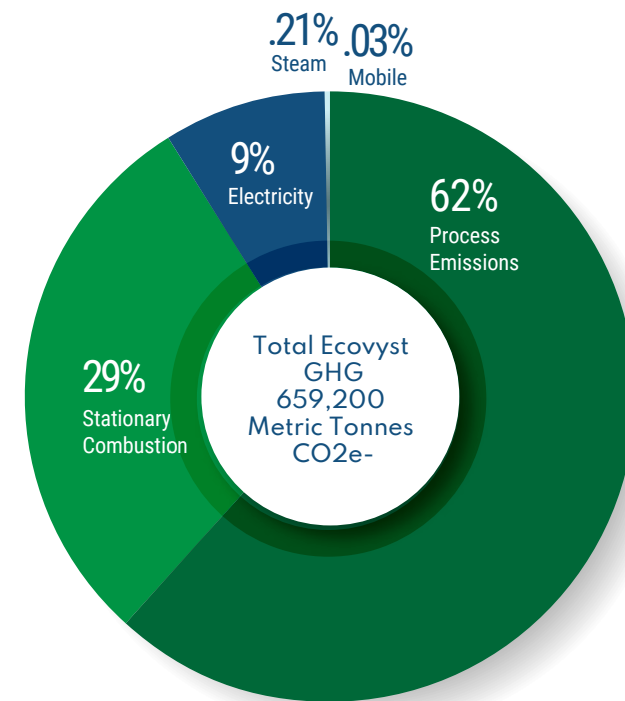
We follow GHG Protocols to calculate our Scope 1 and Scope 2 emissions for all Ecovyst facilities and retained Futurepast: Inc. to verify our 2023 Scope 1 and 2 GHG emissions, water consumption, and waste generation and provide reasonable assurance.

The majority of Ecovyst's GHG emissions originate from natural gas usage in our Ecoservices furnaces and electricity usage from public energy grids. However, those emissions are partially offset by the sustainability benefits of those operations, such as the ability to recycle spent sulfuric acid, the treatment of waste that would otherwise require disposal in landfills or deep wells, and our use of waste heat and steam to generate electricity at our facilities for internal use or to supply to energy grids.

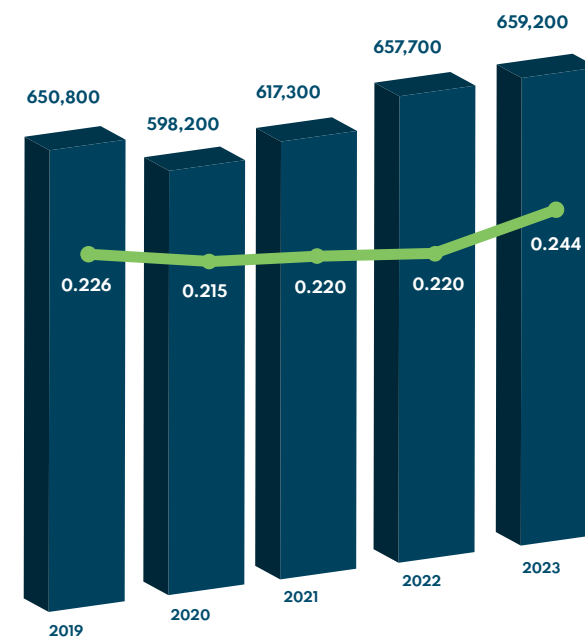
Through our ongoing efforts to optimize natural gas usage at our Ecoservices facilities and the potential use of GHG offsets, we are targeting a 10% reduction in natural gas usage by 2030.

In 2023, our Scope 1 GHG emissions were 601,200 t(CO<sub>2</sub>e), and our Scope 2 (Location-based) GHG emissions were 58,000 t(CO<sub>2</sub>e), for total GHG emissions of 659,200 t(CO<sub>2</sub>e). Our company's 2023 GHG emissions and energy intensity increased modestly over 2022 because some of our Ecoservices plants experienced operational reliability challenges that resulted in decreased production without a commensurate reduction in energy usage.

### Total 2023 Greenhouse Gas Emissions at the Company Level



### Ecovyst GHG (mt CO<sub>2</sub>e-) and GHG Intensity (mt CO<sub>2</sub>e-/mt) 2019 - 2023



### Planning and ingenuity help maintain power production at Ecoservices' Houston Facility

Generating electricity from turbines installed at our Ecoservices plants is an important part of our greenhouse gas reduction strategy. The practice allows us to reduce our use of natural gas or electricity purchased from non-renewable sources. In 2023, mechanical faults in both turbines at our Houston Ecoservices facility threatened to shut down this plant's electricity production, so our team got creative.

Using components from the larger turbine generator, the team was able to run the smaller generator while waiting for replacement parts for the larger generator. Running this turbine generator allowed the site to continue to produce some of its electricity demand—roughly 2,800 MW of electricity over several months. The quick thinking and implementation also saved more 5.8 million gallons of water in the site's acid production process by capturing and reusing the condensate from the turbine generator instead of wasting the steam to the atmosphere.

Ecovyst continues to work with electricity providers to source power from renewable sources. We are also increasing the power generating capacity at our Ecoservices facilities through investments in electrical turbine equipment that captures waste heat and steam to generate electricity. In 2023, major turbine generator outages and overhauls at our Dominguez and Houston facilities caused our on-site power generation to decline compared to the previous year, but we are working toward meeting our longer term goals of achieving 65-70% of electricity usage from on-site generation and/or renewable energy by end-of-year 2025 and 75-80% by 2030.

### Increase in Renewable Energy Usage at our Delfzijl Facility

Working with its electricity suppliers, our Advanced Materials & Catalysts site in Delfzijl, the Netherlands, increased its use of wind-generated electricity from 55% in 2022 to 80% in 2023. The site is on track to procure 100% wind energy by 2024.

The shift to renewable wind power is reducing the site's carbon footprint and is helping attract and retain employees—particularly younger employees who want to work for a sustainable company.

## Energy Management

Ecovyst is pursuing a multi-part energy management strategy to reduce the environmental impact from our operations. This strategy includes three key initiatives: Optimizing our facilities to reduce natural gas consumption; expanding on-site electricity generation capacity from turbine generator investments; and increasing our procurement of electricity from renewable sources.

We are pursuing ongoing furnace optimization projects for our Ecoservices plants that rely on automated systems to significantly reduce the amount of natural gas needed to maintain optimum performance. Since 2021, we have completed furnace optimizations at three Ecoservices units and plan to complete projects at our remaining four units by 2028.







## Calcination Optimization Project Reduces Natural Gas Consumption

Our Delfzijl facility produces Zeolites in natural-gas heated calciners that require idle times for switching materials and managing start up/cool down cycles. In 2023, the facility began using an extra silo to feed materials into the calciner to reduce downtime and provide more consistent operations.

Using the extra silo reduced overall gas consumption by 7% or 50,000 cubic meters—equivalent to the annual gas consumption of 33 Netherlands' households. This improvement builds on a 2022 project that installed new software to optimize shut down, start up, and cool down periods to reduce natural gas usage.

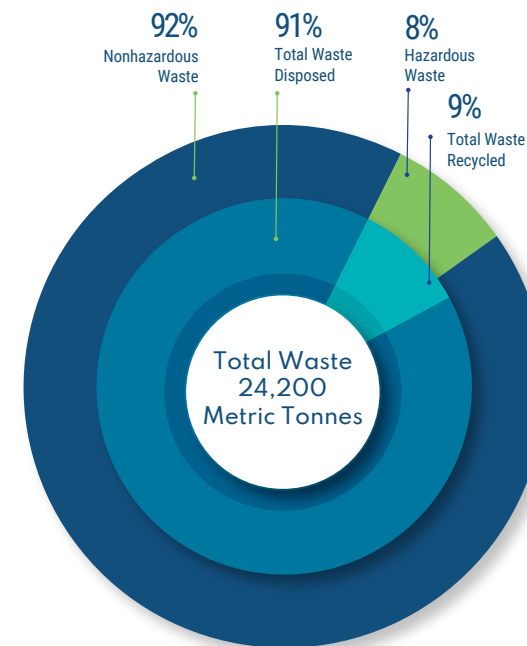
## Waste

We are focused on minimizing waste from our operations and from the handling, transport, and disposition of our products. We have empowered our employees to proactively identify waste-reduction opportunities at our facilities and potential improvements in our waste management practices to help us achieve our waste reduction goals. We have targeted a 40% reduction in on-site hazardous waste generation by 2025, and a 50% reduction in on-site hazardous waste generation by 2030.

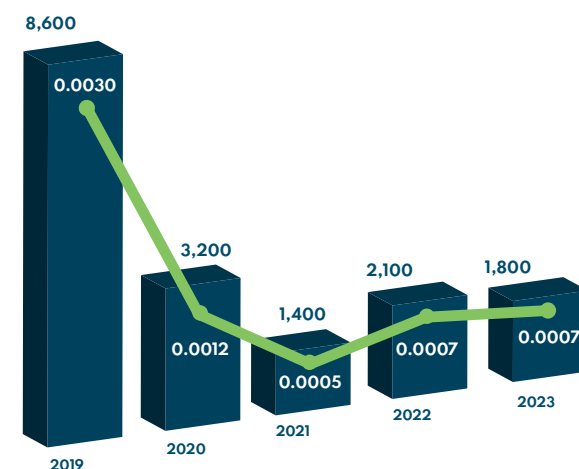
In 2023, we generated 22,400 tonnes of nonhazardous waste, and 1,800 tonnes of hazardous waste, for a total of 24,200 tonnes. We have substantially reduced our waste intensity and nonhazardous waste generation over our 2019 baseline, and in 2023 we achieved another 13% reduction year-over-year in hazardous waste generation.

In 2023, the total nonhazardous waste generated by our company declined nearly 9% over the previous year.

### Total 2023 Waste



### Hazardous Waste Generated (mt) & Waste Intensity (2019-2023)



## Process Improvement Reduces Exposure Risk and Waste at Baton Rouge Ecoservices Plant

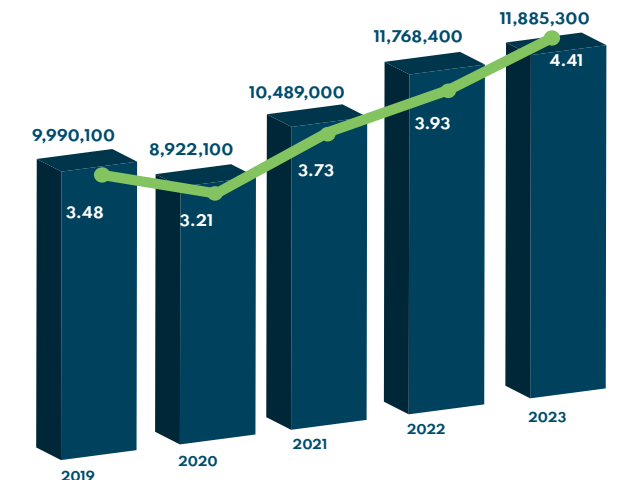
Employees at Ecovyst facilities are continually looking for opportunities to reduce exposure and improve our waste management practices. In 2023, the team at the Ecoservices Baton Rouge plant developed a new method for handling residual waste accumulating in sumps in the Unit 1 Treatment Services' waste receipt area. Rather than manually removing residual material accumulating in sumps and putting it into containers for transport, the team developed a pump transfer piping system to re-route the sump contents to our Treatment Services' storage tanks. The waste is then fed into the Unit 1 furnace for treatment. This effort eliminated the exposure risk of manually transporting waste and eliminated the waste associated with transport container use, including thousands of gallons of wash water every year.

## Water

Water is an essential component in our manufacturing and service operations, and Ecovyst is committed to being a responsible steward of this critical natural resource. Teams at our production sites are actively pursuing projects to reduce our water consumption. As a company, we are also continuing our efforts to measure and document water usage at all our facilities to meet our goal of performing a water balance on at least 50% of our water usage by end-of-year 2025 and implementing water balance project recommendations by 2030 to reduce our water consumption by ≥10%.

In 2023, our total water withdrawal was 11,885,300 m<sup>3</sup>. That figure and our water intensity increased over 2022, largely because of an equipment failure that resulted in excess water draws at two of our Ecoservices facilities. We are following our standard process to review any facility maintenance or equipment issues to identify potential improvements that will help prevent similar occurrences in the future.

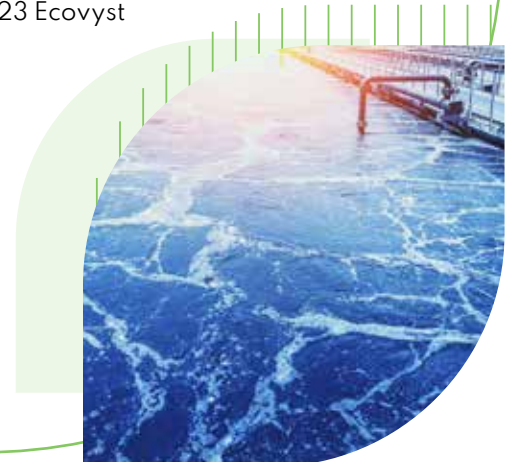
### Total Water Withdrawal (m<sup>3</sup>) & Water Intensity (m<sup>3</sup>/mt Production)



## Ecoservices Hammond site wins Sustainability Leadership Award for Project to Reduce Water and Chemical Solution Consumption

In 2023, our Ecoservices Hammond facility implemented a demineralization system improvement project that featured a newly designed system liner, water distributors, gravel media, and other components to reduce water consumption. At the same time, the facility launched a new management system to improve the resin regeneration process.

The changes saved approximately 4.5 million gallons of water in 2023—roughly equal to the annual water usage of 40 American homes. The new process also saved 101 tons of 93% acid, 95 tons of 50% sodium hydroxide, and 60 tons of dry magnesium hydroxide. The optimized resin regeneration process reduced waste by 1,350 gallons in 2023. These results earned the Ecoservices Hammond site the 2023 Ecovyst Environmental Impact Award for Most Impactful Climate Change Reduction Project.



# People, Workplace, & Community

## Health, Safety, Environment and Security

Promoting the health, safety, and well-being of our employees, the places where we work, and the communities where we are located, is central to our commitment to sustainability. We uphold ethical working conditions that protect our employees and contractors and create safe products for our customers through the implementation of our Health, Safety, Environment & Security (HSES) Policy and our unique internal Health, Safety, and Environment (HSE) Perfect Days process.

Additionally, we are strong partners and allies to our employees, supporting our internal teams to do their best work while maintaining balance with their family and non-work lives. We also work with and lift up the communities where we are located through our various community engagement initiatives.

### HSES Policy

Our HSES Policy focuses on safety, personal accountability, and performance. As a fundamental part of these efforts, we maintain policies and procedures to monitor and control health, safety, and environmental risks and achieve compliance with applicable state, national, and international health, safety, and environmental requirements. We measure progress toward our HSES goals with our unique internal metric - HSE Perfect Days.

Please read our full HSES Policy [here](#).

## Our HSES Management Systems and HSES Governance

We maintain an HSES management system that promotes continual improvement of our performance. Our HSES management system includes:

- Certification to international standards for the past 18 years.
- Alignment with the ISO 14001 and chemical industry RC14001® standards, which reflects the commitments as established in our HSES Policy.
- A “Plan-Do-Check-Act” system to evaluate risk, plan for improvements, implement controls, monitor processes, audit our process, and make corrections or other improvements.

We use internal audits and external third-party audits to evaluate our progress toward our HSES goals, assess our continued regulatory compliance, and reaffirm our HSES obligations. These audits identify systemic gaps, robust corrective actions, and continual improvement opportunities. In addition, we conduct ongoing internal audits of our HSE compliance programs, HSES management systems, and 20 Ecovyst Behavioral Safety and Operational Safety Principles (20 Ecovyst Principles) to help ensure that we are meeting or exceeding top industry and internal standards of excellence. These audits include:

- HSES compliance audits.
- Occupational Safety and Health process safety management (PSM) and Clean Air Act risk management program (RMP) audits.
- Internal and third-party verification audits of our ISO 9001, American Chemistry Council (ACC) RC14001®, and ISO 14001 management systems, with planned recertification to RC14001® in 2024.
- 20 Ecovyst Principles audits relating to behavioral safety and process safety, risk identification, and compliance.
- HSES management systems audits to ensure effectiveness and alignment with the new ACC Product Safety Code.

We track our audit processes across the organization, using this data and sharing best practices as part of ongoing efforts to enhance health, safety, and environmental compliance across the organization.

## Expanding Our Health and Safety Organization Capabilities

In 2023, we implemented organizational changes that significantly expanded the capabilities of our health and safety organization, including:

- Enhancing our health and safety initiative through a plan to separate the Ecoservices Director of Health and Safety & Process Safety Management role into two separate roles—the Ecovyst North America Director of Health and Safety and Ecovyst North America Director of Process Safety Management—effective January 1, 2024. This change will help ensure we continue to deliver on our commitment to promoting the health, safety, and well-being of our employees, contractors, and our communities.
- Hiring a process safety engineer for the Gulf Coast facilities.
- Hiring a health and safety coordinator at our Baton Rouge facility to support the existing health and safety specialist.

## HSES Training

Ecovyst conducts HSES training for all employees using several different formats, ranging from face-to-face and on-the-job training to the use of customized digital technology. To extend compliance throughout our company, we use multiple digital and video training systems for our remote employees and in situations where we are unable to hold larger in-person meetings.

Additionally, we have contractor qualification and training programs in place on a business level and at all sites.





## American Chemistry Council (ACC) Responsible Care®



As a member of the ACC, Ecovyst adheres to the Responsible Care® principles and the Product and Process Safety Codes, which drive continuous improvement in chemical management. This commitment requires that we annually monitor and report our U.S. health, safety, and environmental metrics.

Efforts to enhance our sustainability include:

- Applying the principles of the Environmental Management standard of the International Organization for Standardization (ISO 14001) at our facilities throughout the world.
- Adhering to the ACC's Responsible Care® RC14001® Technical Specifications for chemical facilities in the United States.
- Ensuring our sustainability metrics, specifically our Scope 1 and 2 greenhouse gas emissions, waste generation and water consumption, are third-party assured.

We believe our adherence to Responsible Care® promotes enhanced performance and improvements in the health and safety of our employees, the communities in which we operate, and the environment.

### ACC Certificates of Excellence

The ACC, through Responsible Care®, awarded 8 of our U.S. based Ecovyst chemicals sites with Certificates of Excellence and 1 of our U.S. based Ecovyst chemicals sites with a Certificate of Achievement for 2023 safety performance. Our commitment to the prevention of occupational injuries and illnesses is reflected in this prestigious honor.

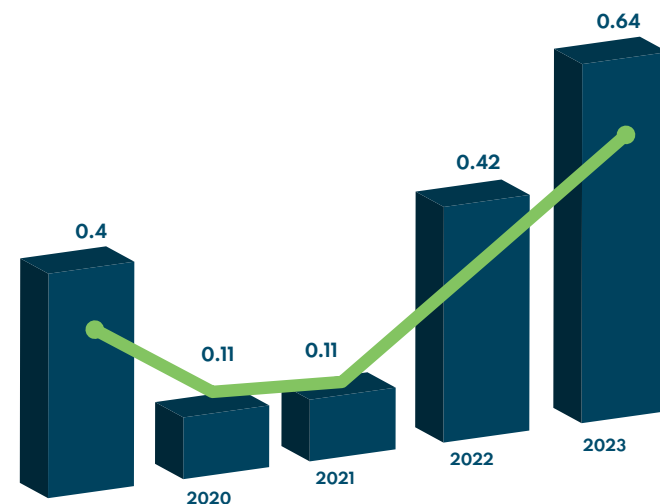
Certificates of Excellence are awarded to sites that have zero deaths, zero days of away from work cases, and zero job transfer or restricted duty cases among both employees and contractors for the entire year. Certificates of Achievement, are awarded to sites that have zero deaths and zero days away from work cases for employees.

### Total Recordable Incident Rate (TRIR)

We achieved TRIR performance of 0.64 in 2023, an increase over our 2022 TRIR performance (0.42), which places us within the top half of ACC safety performance in the chemicals industry.

We remain committed to our goal of performing within the top quartile of ACC safety performance. We continue to implement strategies to enhance our safety performance, including the reorganization of the health and safety roles described on page 31. These changes build on the significant investments we made in Health and Safety training programs and staff in 2022.

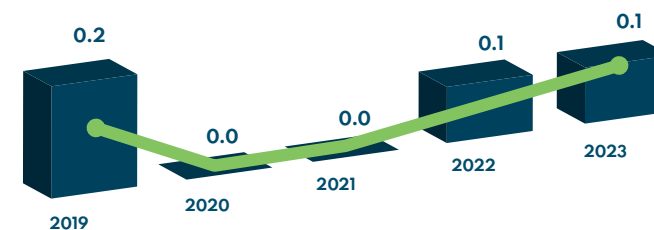
### Total Recordable Incident Rate by Year



### Lost Workday Case Incidence Rate (LWDIR)

Tracking lost workday incident rates is another way we measure our safety performance. Our LWDIR rate remains on a positive trend overall compared to our 2019 baseline. We had one LWDIR incident in each of 2022 and 2023, following two consecutive years of zero LWDIR incidents.

### Lost Workday Case Incidence Rate by Year



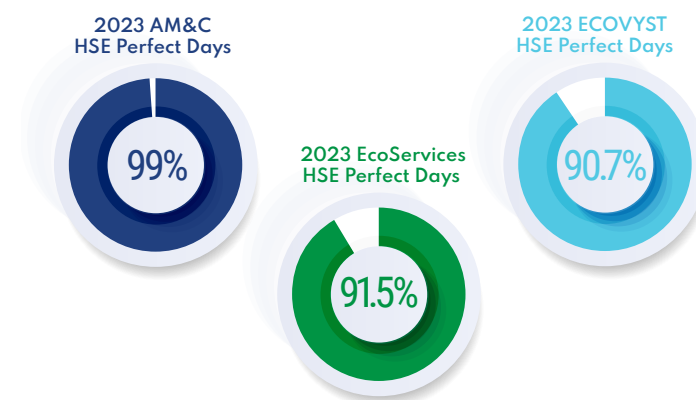
## HSE Perfect Days

Our HSE Perfect Days process allows us to measure progress toward our goal of achieving a Perfect Day every single day and to drive continuous improvement in health, safety, and environmental performance.

We begin and end each day with an acute focus on the safety and security of our people and assets to help achieve a Perfect Day, which we define as a day without:

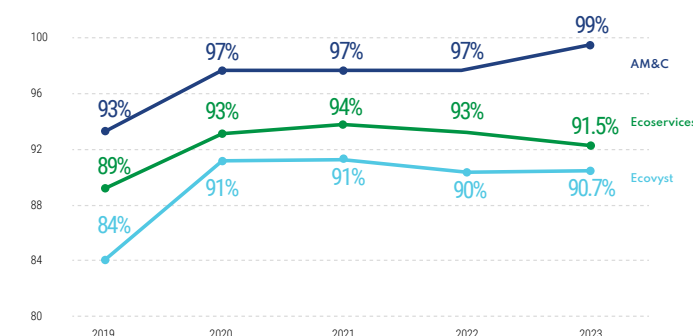
- OSHA recordable injuries.
- First aid incidents requiring professional assistance.
- Significant spills or releases.
- Deviations from environmental permits and/or HSE legal requirements.
- HSE Notices of and/or Citations.
- Deviations from one of our six Life-Saving Behaviors.

In 2023, Ecovyst's Ecoservices businesses achieved a Perfect Days score of 91.5%, while our AM&C businesses achieved a Perfect Days score of 99%. Our AM&C Conshohocken, Pennsylvania R&D and Warrington, UK R&D sites and our Ecoservices Portland, Oregon site each had 100% percent Perfect Days.



Our combined company-wide score across all sites improved from 84% in 2019 to 90.7% in 2023. This progress reflects our commitment to HSE excellence that is critical to every employee's safety and our goal to minimize our impact on the environment.

### Percentage of Ecovyst Perfect Days Per Year





## Human Capital Strategy

Our success as an organization depends on the skills, intelligence, and commitment of our employees, so we maintain a long-term human capital program to attract, develop, and retain top talent. We employ our flagship Success Through People program to guide our human capital strategy, promote employee well-being, recruit a diverse and advanced candidate pool, and ensure employee satisfaction. The program provides opportunities for robust training and development and promotes employee advancement.

We review and update our Human Capital policies and programs on an ongoing basis to ensure they reflect the company's values and provide fair and competitive opportunities for our employees.

We also periodically review our compensation and benefits programs to ensure we remain competitive among our industry peers and to help protect the health and financial well-being of our full-time employees and their family members. Benefits outside the U.S. are designed to supplement government-provided programs in each respective country. Our U.S. benefits program includes:

- A choice of several medical and dental plans, as well as a vision plan.
- Flexible spending accounts.
- Short- and long-term disability insurance.
- An employee assistance program.
- A defined contribution savings plan, which includes company contributions.
- Tuition reimbursement programs to support continuing education for our employees.

In 2023, we enhanced our Human Capital policies and practices with several changes to benefit the well-being of our employees and help us attract and retain a diverse workforce, including:

- Accelerated eligibility for the commencement of medical benefits for new hires.
- Enhanced starting vacation benefits for salaried and non-union new hires.
- Increased participation for equity awards by 88%.
- Implementation of two weeks of paid leave for salaried and non-union employees eligible for FMLA.

### Internships at Ecovyst

Training the next generation of professionals in the field of catalysts and services is critical to achieving our business and sustainability goals. In 2023, we collaborated with universities and learning programs near our sites across the U.S. and globally to offer internships to interested students. We provide our interns with 10–12 weeks of on-the-job training in various departments, increasing their knowledge, experience, and marketability in the workplace.



## Diversity, Equity, and Inclusion

At Ecovyst, our diverse workforce helps drive our company forward. We foster a diverse, equitable, and inclusive workplace where all employees feel respected and valued.

We embrace the diversity of perspectives and experience that each of our employees brings to the table and actively recruit diverse candidates across our global workforce. As we recruit for new roles within our organization, we present diverse slates of candidates that include women, people of color, and/or people with veteran status, wherever appropriate.

### Gender and Diversity Makeup of Employees

As of December 31, 2023, we had 911 employees worldwide, of whom 788 were employed in the United States. The remainder were employed overseas.

- Women made up approximately 16.7% of our global workforce, up from 13.9% in 2022. Men made up 83.3%.
- Women have roles on the management teams of each of our businesses, as well as in all our functions, including R&D, finance, HSE, and human resources.
- Approximately 24% of our U.S.-based executives, managers, and professionals were women and 21% were diverse men.
- 49.2% of our U.S. new hires were women or other diverse candidates, similar to 2022.
- Approximately 49% of our U.S. workforce comes from an underrepresented group, including women, diverse men, military veterans, or disabled individuals.
- Approximately 44% of our employees were represented by a union, works council, or other employee representative body at the end of 2023.

**Living Wage** At Ecovyst, we believe our workers deserve to be compensated fairly. We provide our employees with income that exceeds the minimum wage laws applicable at all our company sites. We also fully support our workers' right to collective bargaining and union membership.

## Labor Policy

Ecovyst is an equal opportunity employer, and we are committed to our long-standing values of inclusiveness and anti-discrimination practices. Ecovyst does not discriminate based on race, color, religion, sex, sexual orientation, pregnancy, gender identity and expression, national origin, disability, age (40 and above), ancestry, veteran status, genetic information, marital status, or any other classification prohibited by applicable law. This commitment applies to all terms and conditions of employment including recruiting, hiring, placement, advancement, training, transfer, demotion, lay off and recall, termination, compensation, and benefits.

We take steps to comply with all applicable laws and regulations in each jurisdiction in which we operate and provide appropriate working conditions, including:

- Complying with applicable laws regarding employment relationships, including those that prohibit child labor.
- Setting acceptable working conditions and working hours.
- Providing fair wages, including minimum wages and overtime.
- Prohibiting forced or bonded labor.
- Permitting freedom of association and collective bargaining.
- Prohibiting discrimination, harassment, and other forms of degrading or inhumane treatment.

We hold our business partners to these same standards through tools such as our Supplier Code of Conduct and contractual provisions. These values run true throughout our organization, subsidiaries, and affiliates, underpinning our Equal Employment Opportunity Policy Statement.







## A Focus on Community Engagement

Ecovyst strives to make a positive impact on the communities where we operate and where our employees live. We engage with local communities through scholarships, volunteer efforts, and donations to nonprofit organizations and causes that are important to our employees.

By 2025, we plan to standardize tracking of our community engagement activities and to permit all employees to take up to eight hours per year of paid volunteer leave. We seek to achieve at least 1,800 total hours of volunteer time across the organization per year by 2030.

## Ecovyst Community Engagement Highlights

Our Ecoservices and Advanced Materials & Catalyst sites across the country and globally prioritize engagement with their local communities. Here are some highlights of our activities in 2023.

- Baytown, Texas:** Continued to support George Washington Carver Elementary School as part of the Baytown Chamber of Commerce's Partner in Education (PIE) program. The relationship began in 1995, and our support includes classroom teacher grants, back to school supplies, student recognition programs, holiday family support, and more. The site made \$15,000 in contributions and donated 132 volunteer hours.
- Houston, Texas:** Supported the local community by providing gifts to five neighborhood families during the holiday season; donated more than \$1,000 in supplies for a back-to-school drive; participated in, and donated to, the PTRA Scholarship Golf Tournament to support local after-school programs for 180 students; donated \$1,000 to Texas Chemical Council; and more.
- Kansas City, Kansas:** Donated \$1,000 to the Boys & Girls Club of Kansas City; donated \$1,000 to Cross-Lines Community Outreach, which provides opportunities for community members affected by poverty; donated \$1,500 to Harvesters Virtual Food Drive; donated \$2,000 to the Armourdale Renewal Association, which focuses on economic and community development, crime prevention, youth deployment, and healthy living; and more.

## Ecoservices Martinez: Winner of the 2023 Ecovyst Community Impact Award for Most Impactful Social Contribution

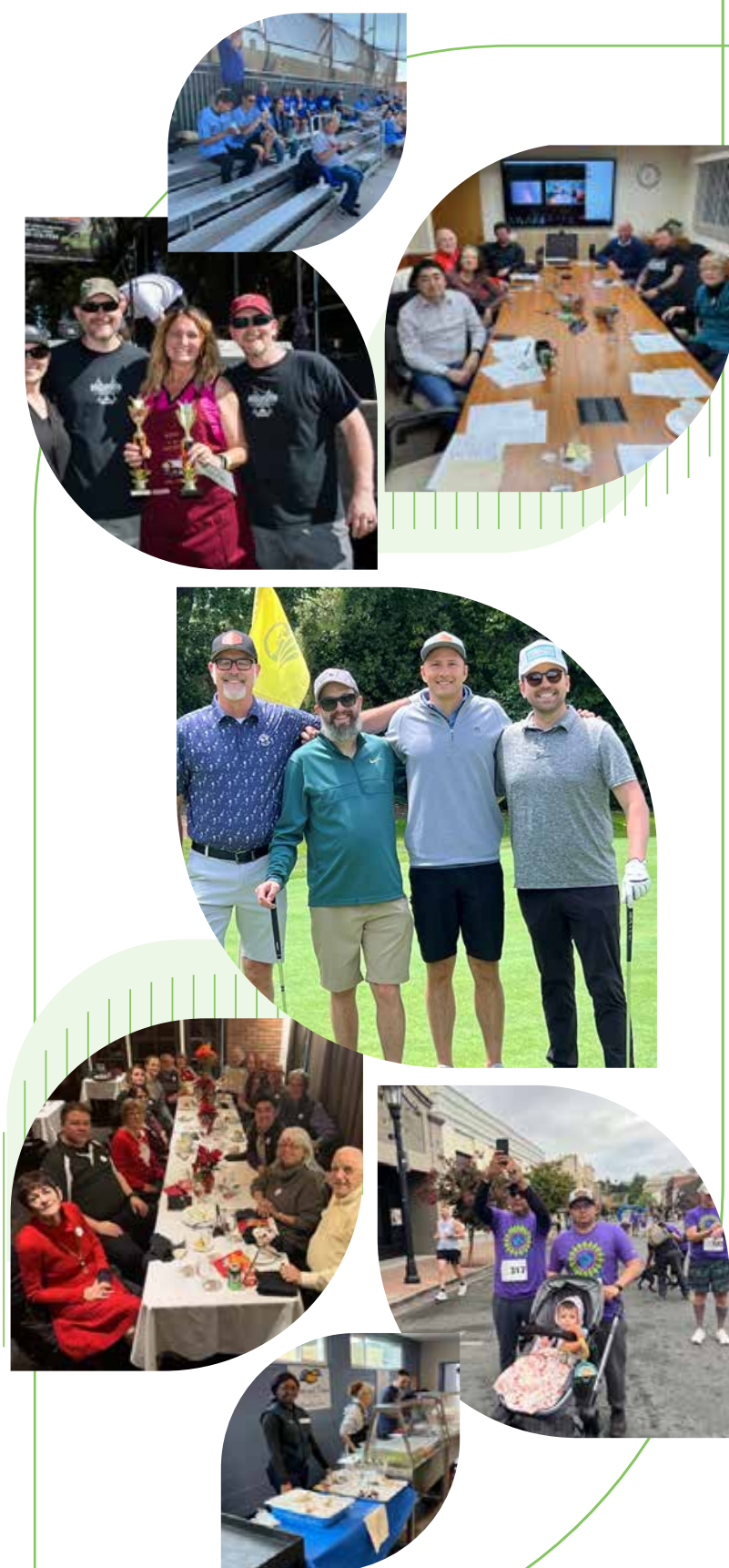
As a result of our employees' commitment to uplifting the surrounding community, prioritizing engagement, and fostering strong bonds with local residents, the Ecoservices site in Martinez, California is the recipient of the 2023 Ecovyst Community Impact Award for Most Impactful Social Contribution. Through collaboration with like-minded businesses and community members, the site strives to develop impactful initiatives that benefit Ecoservices and the community at large.

The Martinez site's Community Advisory Panel (CAP), which was founded in 1992 and meets monthly, provides a conduit for communication between the site and community. The panel comprises 12 non-Ecoservices members—the director of the County Awareness Emergency Response (CAER) program, an FBI forensic scientist, a local waste management program manager, a community college program director, a Martinez Police Department sergeant, and a retired UC Berkeley professor, among others—and helps resolve issues and promote safety and environmental stewardship.

Martinez site employees also support other local organizations, such as the Martinez Community Foundation and the Chamber of Commerce. Through these organizations, employees participated in the 5K Run for Education, Cars 4 Community, and youth initiatives, such as the Yacht Club Sea Scouts. The site has also lent support to Chamber events, such as the King of BBQ, the Music Festival, and the Best of Martinez, which celebrates local businesses.

The Martinez site works closely with the CAER program, through which local refineries and petrochemical facilities influence local policies related to public health and emergency response and build trust-based relationships with the local community.

The ongoing relationship between the employees of the Martinez site and their community has made the site a true champion of change, while making the community safer, more inclusive, and more resilient.



Partner in Education Program  
George Washington Carver Elementary  
Baytown, Texas



Conshohocken  
Earth Day  
R&D/Pilot Plant  
Site



J.R. Harris Elementary  
Houston, Texas



Appendix

SASB Disclosures

SASB Standards are maintained under the auspices of the [Value Reporting Foundation](#), and enable businesses to identify, manage and communicate financially-material sustainability information to their investors. (For additional information, please visit [www.sasb.org](http://www.sasb.org).)

The information and references provided below are based on the SASB accounting metrics for the Chemicals industry.

Topic	Description	Code	Response and/or Reference
Greenhouse Gas Emissions	Gross global Scope 1 emissions and the percentage covered under emissions-limiting regulations	RT-CH-110a.1	2023 Sustainability Report (Greenhouse Gas Emissions, page 26)  2023 Futurepast Verification Letter  <a href="#">Reporting and Data</a>  In 2023, Scope 1 emissions were 601,200 metric tons of CO2e.
	Discussion of long-term and short-term strategy or plan to manage Scope 1 emissions, emissions reduction targets, and an analysis of performance against those targets	RT-CH-110a.2	2023 Sustainability Report (2025 and 2030 Sustainability Goals, page 12-13; Greenhouse Gas Emissions, page 26)  <a href="#">Sustainability</a>
Air Quality	Emissions for NOX (excluding N2O), SOX, VOCs and hazardous air pollutants (HAPs)	RT-CH-120a.1	2023 Sustainability Report (Greenhouse Gas Emissions, page 26)  <a href="#">Sustainability</a>  In 2023, Ecovyst's emissions for NOx and SOx were approximately 225,941 kg and 1,624,790 kg respectively.
Energy Management	(1) Total energy consumed, (2) percentage grid electricity, (3) percentage renewable, (4) total self-generated energy	RT-CH-130a.1	2023 Sustainability Report (Greenhouse Gas Emissions, page 26; Energy Management, page 27)  <a href="#">Sustainability</a>  In 2023, total energy consumption was approximately 1,249,926 MWh.  In 2023, we generated an average of 70,682 MWh of self-generated energy at several Ecoservices sites.



Topic	Description	Code	Response and/or Reference
Water Management	(1) Total water withdrawn, (2) total water consumed, percentage of each in regions with High or Extremely High Baseline Water Stress	RT-CH-140a.1	<p>2023 Sustainability Report (Water, page 29)</p> <p>2023 Futurepast Verification Letter</p> <p><a href="#">Reporting and Data</a></p> <p>In 2023, total water withdrawn was 11,885,300 cubic meters. Approximately 11% of water was withdrawn in regions with high or extremely high baseline water stress.</p>
	Number of incidents of non-compliance associated with water quality permits, standards, and regulations	RT-CH-140a.2	In 2023, Ecovyst had no material incident of non-compliance associated with water quality permits, standards and regulations.
	Description of water management risks and discussion of strategies and practices to mitigate those risks	RT-CH-140a.3	<p>2023 Sustainability Report (Water, page 29)</p> <p><a href="#">Sustainability</a></p>
Hazardous Waste Management	Amount of hazardous waste generated, and percentage recycled	RT-CH-150a.1	<p>2023 Sustainability Report (Waste, page 28)</p> <p>2023 Futurepast Verification Letter</p> <p><a href="#">Reporting and Data</a></p>
Community Relations	Discussion of engagement processes to manage risks and opportunities associated with community interests	RT-CH-210a.1	<p>2023 Sustainability Report (A Focus on Community Engagement, page 36-37; Stakeholder Engagement, page 17)</p> <p><a href="#">Social Responsibility</a></p>
Workforce Health & Safety	(1) Total recordable incident rate (TRIR) and (2) fatality rate for (a) direct employees and (b) contract employees	RT-CH-320a.1	<p>2023 Sustainability Report (2025 and 2030 Sustainability Goals, page 12-13; Health, Safety, Environment &amp; Security (HSES), page 30-33)</p> <p><a href="#">Health, Safety, Environment &amp; Security</a></p> <p>In 2023, the total TRIR was 0.64.</p>
	Description of efforts to assess, monitor and reduce exposure of employees and contract workers to long-term (chronic) health risks	RT-CH-320a.2	2023 Sustainability Report (2025 and 2030 Sustainability Goals, page 12-13; Health, Safety, Environment & Security (HSES), page 30-33)
Product Design for Use-phase Efficiency	Revenue from products designed for use-phase resource efficiency	RT-CH-410a.1	2023 Sustainability Report (Product Safety and Stewardship, page 19-21; Innovations that Enable the Sustainable Future, page 22-24)

Topic	Description	Code	Response and/or Reference
Safety & Environmental Stewardship of Chemicals	(1) Percentage of products that contain Globally Harmonized System of Classification and Labeling of Chemicals (GHS) Category 1 and 2 Health and Environmental Hazardous Substances, and (2) percentage of such products that have undergone a hazard assessment	RT-CH-410b.1	<p>2023 Sustainability Report (Product Safety, page 20)</p> <p>More than 80% of our catalyst products are classified as non-hazardous by the Globally Harmonized System of Labeling of Chemicals and the UN Model Transportation regulations.</p>
	Discussion of strategy to (1) manage chemicals of concern and (2) develop alternatives with reduced human and/or environmental impact	RT-CH-410b.2	<p>2023 Sustainability Report (Product Safety and Stewardship, page 19-21; Innovations that Enable the Sustainable Future, page 22-24)</p> <p><a href="#">Product Innovation</a></p>
Genetically Modified Organisms	Percentage of products by revenue that contain genetically modified organisms (GMOs)	RT-CH-410c.1	<p>2023 Sustainability Report (Product Safety and Stewardship, page 19-21; Innovations that Enable the Sustainable Future, page 22-24)</p> <p>None of our products contain GMOs.</p>
Management of the Legal & Regulatory Environment	Discussion of corporate positions related to government regulations and/or policy proposals that address environmental and social factors affecting the industry	RT-CH-530a.1	<p>2023 Sustainability Report (Stakeholder Engagement, page 17)</p> <p><a href="#">Policies</a></p> <p><a href="#">Disclosures and Certifications</a></p>
Operational Safety, Emergency Preparedness & Response	Process Safety Incidents Count (PSIC), Process Safety Total Incident Rate (PSTIR) and Process Safety Incident Severity Rate (PSISR)	RT-CH-540a.1	2023 Sustainability Report (2025 and 2030 Sustainability Goals, page 12-13; Health, Safety, Environment & Security (HSES), page 30-33)
	Number of transport incidents	RT-CH-540a.2	2023 Sustainability Report (2025 and 2030 Sustainability Goals, page 12-13; Business and Site-Specific Certifications, page 21; Health, Safety, Environment & Security (HSES), page 30-33)

Activity	Code	Response and/or Reference
Production by reportable segment	RT-CH-000.A	<p><a href="#">2023 10K Filing</a> (Our Product End Uses, page 4-5)</p> <p>In 2023, our total amount of production was approximately 2,697,361 metric tonnes.</p>

# GRI Content Index

To assist stakeholders in understanding and benchmarking our performance, we utilize the Global Reporting Initiative (GRI) Standards. The GRI Standards includes an internationally recognized set of indicators for economic, environmental and social topics related to business performance. (For additional information on the GRI Standards, please visit <https://www.globalreporting.org/>.

The information provided in our GRI Content Index includes direct answers, references to our 2023 Sustainability Report and links to publicly available sources on our corporate website.

## General Disclosures:

GRI Standard	Disclosure	Description	Page Number(s), URL or Direct Answer
GRI 2: General Disclosure 2021	2-1	Organizational details	Ecovyst Inc. 2023 Sustainability Report (Our Global Footprint: Ecovyst At-A-Glance, pages 6-7) <a href="#">Our Company</a> <a href="#">2023 10K Filing</a> (Business, pages 2-3; Properties, page 40)
	2-2	Entities included in the organization's sustainability reporting	2023 Sustainability Report (Scope and Boundary, page 2; Our Global Footprint: Ecovyst At-A-Glance, pages 6-7) <a href="#">2023 10K Filing</a> (Notes on Consolidated Financial Statements, page F-11-F12)
	2-3	Reporting period, frequency and contact point	2023 Sustainability Report (Scope and Boundary, page 2; Feedback, page 2) <a href="#">2023 Annual Report</a>  Ecovyst's 2023 Sustainability Report was published on June 25, 2024.
	2-4	Restatements of information	Significant restatements of data compared to prior years are noted in the section(s) where they appear.
	2-5	External assurance	2023 Sustainability Report (Assurance, page 2) 2023 Futurepast Verification Letter <a href="#">Disclosures &amp; Certifications</a>

GRI Standard	Disclosure	Description	Page Number(s), URL or Direct Answer
	2-6	Activities, value chain and other business relationships	2023 Sustainability Report (Message from Our Chief Executive Officer, page 4-5; Our Company, page 8-10; Product Safety and Stewardship, page 20)  <a href="#">Our Company</a> <a href="#">EcoServices</a> <a href="#">Advanced Materials &amp; Catalysts</a> <a href="#">Product Innovation</a> <a href="#">2023 10K Filing</a> (Business, pages 2-3, 9-13; Raw Materials, page 13-14; Properties, page 40) <a href="#">Full Year 2023 Earnings Presentation</a>  Ecovyst is a materials science, catalysts and services company dedicated to creating innovative technologies and sustainable end uses/solutions.  <a href="#">Supplier Code of Conduct</a>
	2-7	Employees	2023 Sustainability Report (Diversity, Equity & Inclusion (D, E & I), page 35)  <a href="#">2023 10K Filing</a> (Sustainability Overview, page 17; Risk Factors, page 38)  <a href="#">Full Year 2023 Earnings Presentation</a>
	2-8	Workers who are not employees	2023 Sustainability Report (Diversity, Equity & Inclusion (D, E & I), page 35)  <a href="#">2023 10K Filing</a> (Sustainability Overview, pages 17; Risk Factors, page 38)
	2-9	Governance structure and composition	2023 Sustainability Report (Sustainability Governance, page 15; Leadership Structure, page 18)  <a href="#">2023 Annual Report</a> (Corporate Governance, page 175)  <a href="#">2024 Proxy Statement</a> (Board Structure, Meetings and Executive Sessions, pages 13; Committees and Committee Composition, page 14; Board Refreshment, Diversity and Board Expertise, page 18-20)  <a href="#">Governance at a Glance</a>  <a href="#">Board of Directors</a>  <a href="#">Board Committees</a>
	2-10	Nomination and selection of the highest governance body	<a href="#">2024 Proxy Statement</a> (Director Nominations, page 20-21)  <a href="#">Nominating and Corporate Governance Committee Charter</a>



GRI Standard	Disclosure	Description	Page Number(s), URL or Direct Answer
	2-11	Chair of the highest governance body	<a href="#">2024 Proxy Statement</a> (Board Leadership Structure, page 21)
	2-12	Role of the highest governance body in overseeing the management of impacts	2023 Sustainability Report (Sustainability Governance, page 15) <a href="#">2024 Proxy Statement</a> (Sustainability, page 23-26)
	2-13	Delegation of responsibility for managing impacts	2023 Sustainability Report (Sustainability Governance, page 15) <a href="#">2024 Proxy Statement</a> (Sustainability, page 23-26)
	2-14	Role of the highest governance body in sustainability reporting	2023 Sustainability Report (Sustainability Governance, page 15) <a href="#">2024 Proxy Statement</a> (Sustainability, page 23-26)
	2-15	Conflicts of interest	<a href="#">Nominating and Corporate Governance Committee Charter</a> <a href="#">Code of Ethics for Senior Executive and Financial Officers</a> <a href="#">Code of Conduct</a>
	2-16	Communication of critical concerns	2023 Sustainability Report (Sustainability Governance, page 15; Leadership Structure, page 18) <a href="#">2024 Proxy Statement</a> (Our Board's Role in Risk Oversight, pages 17) <a href="#">Policies</a>
	2-17	Collective knowledge of the highest governance body	<a href="#">Charter of the Health, Safety, Environment &amp; Security Committee of the Board of Directors of Ecovyst, Inc.</a> <a href="#">2024 Proxy Statement</a>  Timely, relevant sustainability-related topics are brought to the Board of Directors, HSES Committee of Board, and Executive Leadership Team.
	2-18	Evaluation of the performance of the highest governance body	<a href="#">2024 Proxy Statement</a> (Board and Committee Annual Performance Reviews, page 14) <a href="#">Corporate Governance Guidelines</a> <a href="#">Nominating and Corporate Governance Committee Charter</a>
	2-19	Remuneration policies	<a href="#">2024 Proxy Statement</a> (Director Compensation, pages 10-11; Executive Compensation, pages 32-59)
	2-20	Process to determine remuneration	<a href="#">2024 Proxy Statement</a> (Director Compensation, pages 10-11; Executive Compensation, pages 32-59)

GRI Standard	Disclosure	Description	Page Number(s), URL or Direct Answer
	2-21	Annual total compensation ratio	<a href="#">2024 Proxy Statement</a> (CEO Pay Ratio, page 54-55)
	2-22	Statement on sustainable development strategy	2023 Sustainability Report (Message from Our Chief Executive Officer, page 4-5)
	2-23	Policy commitments	2023 Sustainability Report (Ethics and Compliance, page 18; Code of Conduct, page 18; Health, Safety, Environment & Security (HSES), page 30; Labor Policy, page 35) <a href="#">Sustainability</a> <a href="#">Health, Safety, Environment &amp; Security</a> <a href="#">Disclosures &amp; Certifications</a> <a href="#">Code of Conduct</a> <a href="#">Policies</a>
	2-24	Embedding policy commitments	2023 Sustainability Report (Sustainability Governance, page 15; Ethics and Compliance, page 18; Code of Conduct, page 18; Health, Safety, Environment & Security (HSES), page 30; Labor Policy, page 35) <a href="#">Sustainability</a> <a href="#">Health, Safety, Environment &amp; Security</a> <a href="#">Disclosures &amp; Certifications</a> <a href="#">Code of Conduct</a> <a href="#">Policies</a>
	2-25	Processes to remediate negative impacts	2023 Sustainability Report (Message from Our Chief Executive Officer, page 4-5; Our Company, page 8-17; Governance, page 18-21; Environmental Management, page 22-29; Social Responsibility: People, Workplace & Community, page 30-37)
	2-26	Mechanisms for seeking advice and raising concerns	<a href="#">Code of Conduct</a> <a href="#">Complaint and Review Process</a> <a href="#">Code of Ethics for Senior Executive and Financial Officers</a> <a href="#">Policies</a>
	2-27	Compliance with laws and regulations	No instance of significant non-compliance with laws and regulations during the reporting period.
	2-28	Membership associations	2023 Sustainability Report (Stakeholder Engagement, page 17; American Chemical Council (ACC) Responsible Care, page 32; A Focus on Community Engagement, page 36-37)

GRI Standard	Disclosure	Description	Page Number(s), URL or Direct Answer
	2-29	Approach to stakeholder engagement	2023 Sustainability Report (Stakeholder Engagement, page 17; A Focus on Community Engagement, page 36-37)
	2-30	Collective bargaining agreements	2023 Sustainability Report (Labor Policy, page 35; Living Wage, page 35) <a href="#">2023 10K Filing</a> (Sustainability Overview, page 17; Risk Factors, pages 38)

### Material Topics

GRI 3: Material Topics 2021	3.1	Process to determine material topics	2023 Sustainability Report (Ecovyst’s Materiality Matrix, page 16; Stakeholder Engagement, page 17)
	3.2	List of material topics	2023 Sustainability Report (Ecovyst’s Materiality Matrix, page 17)

### Specific Standard Disclosures: Economic

#### Material Topics: Economic Performance

GRI Standard	Disclosure	Description	Page Number(s), URL or Direct Answer
GRI 3: Material Topics 2021	3.3	Management of material topics	2023 Sustainability Report (Governance, page 18-21) <a href="#">2023 10K Filing</a> <a href="#">Full Year 2023 Earnings Presentation</a>

GRI Standard	Disclosure	Description	Page Number(s), URL or Direct Answer
GRI 201: Economic Performance 2016	201-1	Direct economic value generated and distributed	<a href="#">2023 10K Filing</a> (Audited Consolidated Financial Statements, pages F-5 - F11) <a href="#">Full Year 2023 Earnings Presentation</a>
	201-2	Financial implications and other risks and opportunities due to climate change	2023 Sustainability Report (Environmental Management, page 22-29) <a href="#">2023 10K Filing</a> (Risk Factors, pages 21- 32)
	201-3	Defined benefit plan obligations and other retirement plans	<a href="#">2023 10K Filing</a> (Sustainability Overview, page 17; Risk Factors, page 34; Notes to Consolidated Financial Statements, pages F-53 – F-60)

#### Indirect Economic Impacts

GRI 3: Material Topics 2021	3.3	Management of material topics	2023 Sustainability Report (The Targets that Guide Our Strategy, page 12-13; Ethics and Compliance, page 18; Code of Conduct, page 18, A Focus on Community Engagement, page 36-37) <a href="#">2023 10K Filing</a> <a href="#">Full Year 2023 Earnings Presentation</a>
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GRI 203: Indirect Economic Impacts 2016	203-1	Infrastructure investments and services supported	2023 Sustainability Report (A Focus on Community Engagement, page 36-37)
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#### Anti-Corruption

GRI 3: Material Topics 2021	3.3	Management of material topics	2023 Sustainability Report (The Targets that Guide Our Strategy, page 12-13; UN Sustainable Development Goals (SDGs) & UNGC Ten Principles, page 15; Ethics and Compliance, page 18; Code of Conduct, page 18) <a href="#">2023 10K Filing</a> (Governance, page 18; Risk Factors, pages 21-23) <a href="#">Code of Conduct</a> <a href="#">Audit Committee Charter</a> <a href="#">Policies</a>
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GRI Standard	Disclosure	Description	Page Number(s), URL or Direct Answer
GRI 205: Anti-corruption 2016	205-1	Operations assessed for risks related to corruption	<a href="#">2023 10K Filing</a> (Governance, page 18; Risk Factors, pages 21-23) <a href="#">Code of Conduct</a> <a href="#">Policies</a> Ecovyst assesses areas of corruption risk to the company on an ongoing basis and allocates resources accordingly.
	205-2	Communication and training about anti-corruption policies and procedures	2023 Sustainability Report (Code of Conduct, page 18) <a href="#">Code of Conduct</a> <a href="#">Policies</a>
	205-3	Confirmed incidents of corruption and actions taken	Ecovyst had no confirmed incidents of corruption during the reporting period.

Specific Standard Disclosures: Environmental

GRI Standard	Disclosure	Description	Page Number(s), URL or Direct Answer
Material Topics Energy			
GRI 3: Material Topics 2021	3.3	Management of material topics	2023 Sustainability Report (The Targets that Guide Our Strategy, page 12-13; Reducing the Environmental Impact of Our Operations, page 24; Environmental Management System, page 24-25; Planning and ingenuity help maintain power production at Ecoservices' Houston Facility, page 27; Energy Management, page 27) <a href="#">Sustainability</a> <a href="#">Health, Safety, Environment &amp; Security</a> <a href="#">Health, Safety, Environment and Security (HSES) Policy</a> <a href="#">Health, Safety, Environment &amp; Security Committee Charter</a> <a href="#">Disclosures &amp; Certifications</a>

GRI Standard	Disclosure	Description	Page Number(s), URL or Direct Answer
GRI 302: Energy 2016	302-1	Energy consumption within the organization	2023 Sustainability Report (Our Approach to Sustainability, page 11; Planning and ingenuity help maintain power production at Ecoservices' Houston Facility, page 27; Energy Management, page 27) In 2023, total energy consumption was approximately 1,249,926 MWh. In 2023, we generated an average of 70,682 MWh of self-generated energy at several Ecoservices sites.
	302-3	Energy intensity	2023 Sustainability Report (Energy Management, page 27) In 2023, energy intensity was 0.46 MWh per metric tonne of production.
	302-4	Reduction of energy consumption	2023 Sustainability Report (Energy Management, page 27) <a href="#">Sustainability</a>

Water & Effluents

GRI 3: Material Topics 2021	3.3	Management of material topics	2023 Sustainability Report (The Targets that Guide Our Strategy, page 12-13; Reducing the Environmental Impact of Our Operations, page 24; Environmental Management System, page 24-25; Water, page 29) <a href="#">2023 10K Filing</a> (Sustainability Overview, pages 15-19; Risk Factors, pages 26-27; Notes to Consolidated Financial Statements, page F-67) <a href="#">Sustainability</a> <a href="#">Product Innovation</a> <a href="#">Health, Safety, Environment &amp; Security</a> <a href="#">Health, Safety, Environment and Security (HSES) Policy</a> <a href="#">Health, Safety, Environment &amp; Security Committee Charter</a> <a href="#">Disclosures &amp; Certifications</a>
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GRI Standard	Disclosure	Description	Page Number(s), URL or Direct Answer
GRI 303: Water and Effluents 2018	303-1	Interactions with water as a shared resource	2023 Sustainability Report (Water, page 29) <a href="#">2023 10K Filing</a> (Sustainability Overview, pages 15-19; Risk Factors, pages 26-27; Notes to Consolidated Financial Statements, page F-67) <a href="#">Sustainability</a> <a href="#">Product Innovation</a>
	303-3	Water withdrawal	2023 Sustainability Report (Water, page 29) 2023 Futurepast Verification Letter <a href="#">Reporting &amp; Data</a> <a href="#">Disclosures &amp; Certifications</a>
<b>Emissions</b>			
GRI 3: Material Topics 2021	3.3	Management of material topics	2023 Sustainability Report (The Targets that Guide Our Strategy, page 12-13; Reducing the Environmental Impact of Our Operations, page 24; Environmental Management System, page 24-25; Greenhouse Gas Emissions (GHG), page 26) <a href="#">Sustainability</a> <a href="#">Product Innovation</a> <a href="#">Health, Safety, Environment &amp; Security</a> <a href="#">Health, Safety, Environment and Security (HSES) Policy</a> <a href="#">Health, Safety, Environment &amp; Security Committee Charter</a> <a href="#">Disclosures &amp; Certifications</a>

GRI Standard	Disclosure	Description	Page Number(s), URL or Direct Answer
GRI 305: Emissions 2016	305-1	Direct (Scope 1) GHG emissions	2023 Sustainability Report (Greenhouse Gas Emissions (GHG), page 26) 2023 Futurepast Verification Letter <a href="#">Reporting &amp; Data</a> <a href="#">Disclosures &amp; Certifications</a>
	305-2	Energy indirect (Scope 2) GHG emissions	2023 Sustainability Report (Greenhouse Gas Emissions (GHG), page 26) 2023 Futurepast Verification Letter <a href="#">Reporting &amp; Data</a> <a href="#">Disclosures &amp; Certifications</a>
	305-4	GHG emissions intensity	2023 Sustainability Report (Greenhouse Gas Emissions (GHG), page 26) <a href="#">Reporting &amp; Data</a>
<b>Waste</b>			
GRI 3: Material Topics 2021	3.3	Management of material topics	2023 Sustainability Report (The Targets that Guide Our Strategy, page 12-13; Reducing the Environmental Impact of Our Operations, page 24; Environmental Management System, page 24-25; Waste, page 28-29) <a href="#">Sustainability</a> <a href="#">Health, Safety, Environment &amp; Security</a> <a href="#">Health, Safety, Environment and Security (HSES) Policy</a> <a href="#">Health, Safety, Environment &amp; Security Committee Charter</a> <a href="#">Disclosures &amp; Certifications</a>



GRI Standard	Disclosure	Description	Page Number(s), URL or Direct Answer
GRI 306: Waste 2020	306-1	Waste generation and significant waste-related impacts	2023 Sustainability Report (Waste, page 28-29) <a href="#">2023 10K Filing</a> (Business, pages 8-15; Sustainability Overview, pages 15-19; Risk Factors, pages 26-29; Notes to Consolidated Financial Statements, page F-67) <a href="#">Sustainability Reporting &amp; Data</a>
	306-2	Management of significant waste-related impacts	2023 Sustainability Report (Message from Our Chief Executive Officer, page 4-5; Our Company, page 8-9; Environmental Management System, page 24-25; Waste, page 28-29) <a href="#">2023 10K Filing</a> (Sustainability Overview, pages 15-19; Risk Factors, pages 26-29; Notes to Consolidated Financial Statements, page F-67)
	306-3	Waste generated	2023 Sustainability Report (Waste, page 28-29) 2023 Futurepast Verification Letter <a href="#">Reporting &amp; Data</a>

Specific Standard Disclosures: Social

GRI Standard	Disclosure	Description	Page Number(s), URL or Direct Answer
Material Topics: Employment			
GRI 3: Material Topics 2021	3.3	Management of material topics	2023 Sustainability Report (Human Capital Strategy, page 34; Diversity, Equity & Inclusion (D, E & I), page 35; Labor Policy, page 35) <a href="#">Social Responsibility Careers Employee and Human Rights Matters Labor Policy (EEO)</a>
GRI 401: Employment 2016	401-2	Benefits provided to full-time employees that are not provided to temporary or part-time employees	2023 Sustainability Report (Human Capital Strategy, page 34) <a href="#">2023 10K Filing</a> (Sustainability Overview, page 17; Risk Factors, page 34 and 38; Management’s Discussion and Analysis of Financial Condition and Results of Operations, page 58; Notes to Consolidated Financial Statements, pages F-17-F19, F-53-F-64)

GRI Standard	Disclosure	Description	Page Number(s), URL or Direct Answer
Labor/Management Relations			
GRI 3: Material Topics 2021	3.3	Management of material topics	2023 Sustainability Report (Labor Policy, page 35; Living Wage, page 35) <a href="#">Social Responsibility 2023 10K Filing</a> (Sustainability Overview, pages 17-18; Risk Factors, page 26) <a href="#">Employee and Human Rights Matters</a>
GRI 402: Labor/ Management Relations 2016	402-1	Minimum notice periods regarding operational changes	Minimum notice periods vary across collective bargaining agreements.
Occupational Health & Safety			
GRI 3: Material Topics 2021	3.3	Management of material topics	2023 Sustainability Report (The Targets that Guide Our Strategy, page 12-13; Health, Safety, Environment & Security (HSES), page 30-33) <a href="#">2023 10K Filing</a> (Sustainability Overview, pages 15-20; Risk Factors, page 26 and 34) <a href="#">Sustainability Health, Safety, Environment &amp; Security Health, Safety, Environment and Security (HSES) Policy Health, Safety, Environment &amp; Security Committee Charter Disclosures &amp; Certifications</a>

GRI Standard	Disclosure	Description	Page Number(s), URL or Direct Answer
GRI 403: Occupational Health and Safety 2018	403-1	Occupational health and safety management system	2023 Sustainability Report (Health, Safety, Environment & Security (HSES), page 30-33) <a href="#">2023 10K Filing</a> (Risk Factors, pages 26 & 38) <a href="#">Sustainability</a> <a href="#">Health, Safety, Environment &amp; Security</a> <a href="#">Health, Safety, Environment and Security (HSES) Policy Disclosures &amp; Certifications</a>
	403-5	Worker training on occupational health and safety	2023 Sustainability Report (HSES Training, page 31)
	403-6	Promotion of worker health	2023 Sustainability Report (Health, Safety, Environment & Security (HSES), page 30-33; Human Capital Strategy, page 34) <a href="#">2023 10K Filing</a> (Sustainability Overview, pages 17; Notes to Consolidated Financial Statement, page F-17) <a href="#">Health, Safety, Environment &amp; Security</a> <a href="#">Careers</a>
	403-9	Work-related injuries	2023 Sustainability Report (The Targets that Guide Our Strategy, page 12-13; Health, Safety, Environment & Security (HSES), page 30-33) <a href="#">Sustainability</a> <a href="#">Health, Safety, Environment &amp; Security</a> <a href="#">Health, Safety, Environment and Security (HSES) Policy</a>
Training & Education			
GRI 3: Material Topics 2021	3.3	Management of material topics	2023 Sustainability Report (Code of Conduct, page 18; HSES Training, page 31; Human Capital Strategy, page 34) <a href="#">2023 10K Filing</a> (Sustainability Overview, pages 15; Cybersecurity, page 39) <a href="#">Social Responsibility</a>

GRI Standard	Disclosure	Description	Page Number(s), URL or Direct Answer
GRI 404: Training and Education 2016	404-2	Programs for upgrading employee skills and transition assistance programs	2023 Sustainability Report (Code of Conduct, page 18; HSES Training, page 31; Human Capital Strategy, page 34) <a href="#">2023 10K Filing</a> (Sustainability Overview, pages 15; Cybersecurity, page 39) <a href="#">Policies</a>
	404-3	Percentage of employees receiving regular performance and career development reviews	All salary exempt employees and managers received performance reviews during the reporting period.
Diversity & Equal Opportunity			
GRI 3: Material Topics 2021	3.3	Management of material topics	2023 Sustainability Report (Diversity, Equity & Inclusion (D, E & I), page 35) <a href="#">Social Responsibility</a> <a href="#">Employee and Human Rights Matters</a> <a href="#">Labor Policy (EEO)</a> <a href="#">Careers</a>
GRI 405: Diversity and Equal Opportunity 2016	405-1	Diversity of governance bodies and employees	2023 Sustainability Report (Diversity, Equity & Inclusion (D, E & I), page 35) <a href="#">2024 Proxy Statement</a> (Board Refreshment, Diversity and Board Expertise, page 18-20) <a href="#">Board of Directors</a>
Local Communities			
GRI 3: Material Topics 2021	3.3	Management of material topics	2023 Sustainability Report (The Targets that Guide Our Strategy, page 12-13; Stakeholder Engagement, page 17; A Focus on Community Engagement, page 36-37) <a href="#">Social Responsibility</a>
GRI 413: Local Communities 2016	413-1	Operations with local community engagement, impact assessments, and development programs	2023 Sustainability Report (Awards and Recognition, page 14; Stakeholder Engagement, page 17; A Focus on Community Engagement, page 36-37) <a href="#">Social Responsibility</a>
Public Policy			
GRI 3: Material Topics 2021	3.3	Management of material topics	<a href="#">2024 Proxy Statement</a> (Our Board's Role in Risk Oversight, page 17) <a href="#">Code of Conduct</a>



GRI Standard	Disclosure	Description	Page Number(s), URL or Direct Answer
GRI 415: Public Policy 2016	415-1	Political contributions	No political contributions were made during the reporting period.
<b>Customer Health &amp; Safety</b>			
GRI 3: Material Topics 2021	3.3	Management of material topics	2023 Sustainability Report (Product Safety and Stewardship, page 19-20) <a href="#">2023 10K Filing</a> (Sustainability Overview, pages 16 & 20; Risk Factors, page 26) <a href="#">Health, Safety, Environment &amp; Security</a> <a href="#">Health, Safety, Environment and Security (HSES) Policy</a>
GRI 416: Customer Health and Safety 2016	416-1	Assessment of the health and safety impacts of product and service categories	2023 Sustainability Report (Product Safety and Stewardship, page 19-20)
	416-2	Incidents of non-compliance concerning the health and safety impacts of products and services	None during the reporting period.
<b>Customer Privacy</b>			
GRI 3: Material Topics 2021	3.3	Management of material topics	<a href="#">2023 10K Filing</a> (Cybersecurity, page 39-40) <a href="#">Policies</a>
GRI 418: Customer Privacy 2016	418-1	Substantiated complaints concerning breaches of customer privacy and losses of customer data	None during the reporting period.



Independent Opinion  
on the Statements of  
Ecovyst Inc.

Relative to Its

Corporate Sustainability Report  
Greenhouse Gas, Water Withdrawal, and  
Waste Generated Disclosures

Opinion Date: 2024-06-14



To the Management of:	Ecovyst Inc. 300 Lindenwood Drive Malvern, Pennsylvania, 19355
Independent Verification Opinion of:	Futurepast: Inc. 4250 Fairfax Drive, Suite 600 Arlington, Virginia 22203 USA
Subject Matter:	Organizational inventory of greenhouse gas emissions, water withdrawal and waste generated at Ecovyst’s global portfolio of facilities, including manufacturing; research and development, warehouse, and testing facilities
For the Period:	1 January 2023 through 31 December 2023

Details Pertaining to the Statements

Responsible Party, if Different from Addressee	N/A
Statement of Responsibility:	It was the responsibility of Ecovyst to prepare its greenhouse gas, water withdrawal and waste generated statements in accordance with the WRI/WBCSD GHG Protocol and company-defined indicators for water withdrawal and waste generated. This responsibility includes designing, implementing and maintaining a data management system relevant to the preparation and fair presentation of the statements. Ecovyst is responsible for the fair presentation of its data and information and ensuring that these are free from material misstatements.

Intended User and Limitation of Liability

Intended User:	This report has been prepared for the management of Ecovyst for internal management purposes and public disclosure in its corporate sustainability report.
Limitation of Liability:	Ecovyst is solely responsible for the preparation and presentation of the information it has submitted to Futurepast for verification. Our role is limited to expressing a conclusion as to whether the greenhouse gas emissions, water withdrawal and waste generated as stated by Ecovyst are presented fairly in accordance with the WRI/WBCSD GHG Protocol and company-defined water withdrawal and waste generated metrics. In doing



so, we do not assume any duty, liability, or responsibility of Ecovyst or of any third party. Our duties in relation to the opinions expressed are owed solely to Ecovyst. As such, we do not accept any responsibility for any loss allegedly occasioned by any third party acting or refraining from action because of our expressed opinions.

Details Pertaining to the Validation/Verification Body

Futurepast’s Role:	Futurepast is an impartial third-party validation/verification body.
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Declaration of Impartiality

Evaluation of Actual or Potential Conflicts-of-Interest	Futurepast, and the verification team members and independent reviewer, have evaluated their potential for compromised impartiality and found no actual or potential threats to impartiality with respect to the performance of this engagement.
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Details Pertaining to the Verification Team and Independent Reviewer

Verification Team Leader:	This verification was led by John Shideler.
Independent Reviewer:	This verification was independently reviewed by Stephen Boles

Details Pertaining to the Verification

Type(s) of Engagement:	This engagement was a verification of historical information
Objectives of the Verification:	To verify greenhouse gas emissions, water withdrawal and waste generated from Ecovyst’s global portfolio of facilities, including manufacturing; research and development, warehouse, and testing facilities.
Scope of the Verification:	Scope 1 and 2 greenhouse gas emissions in metric tons, water withdrawal in cubic meters, and waste generated in metric tons.
Level of Assurance:	This verification was performed at the reasonable level of assurance.
Threshold of Materiality:	The quantitative threshold of materiality of the verification was 5%. Qualitative materiality was according to the judgment of the lead verifier.





**Verification Criteria:** Futurepast performed this in accordance with the requirements of ISO 14064-3:2019.

Description of Work Performed

Description of the Basis for Our Conclusions and Opinion

The verification was informed by in-person visits to three Ecovyst Ecoservices sites (Baton Rouge, LA; Dominguez, CA; Houston, TX), an in-person visit to Ecovyst’s Advanced Materials & Catalysts site in Kansas City, KS, and a virtual site visit to the Ecoservices site in Baytown, TX. Together these sites represented more than 82% of Ecovyst’s total scope 1 greenhouse gas emissions and more than 74% of Ecovyst’s total location-based scope 2 greenhouse gas emissions.

The statements examined were historical in nature.

Summary of the Responsible Party’s Statements

Ecovyst disclosed its 2023 greenhouse gas emissions, water withdrawals, and mass of waste generated in its 2023 Ecovyst Sustainability Report. Greenhouse gas emissions were disclosed in metric tons, water in cubic meters, and waste generated in metric tons. A summary of these values consolidated at the corporate level covering Ecovyst’s global portfolio of facilities is provided below:

Type	Description	Quantity	Unit
GHG	Scope 1	601,200	tCO <sub>2</sub> e
GHG	Scope 2 (location-based)	58,000	tCO <sub>2</sub> e
Total GHG:		659,200	tCO <sub>2</sub> e
Water	Municipal water and well water withdrawals	11,885,300	cubic meters
Waste	Nonhazardous waste	22,400	metric tonnes
Waste	Hazardous waste	1,800	metric tonnes

Limitations, If Any

Greenhouse gas emissions, water withdrawals, and waste generated from corporate headquarters in Malvern, Pennsylvania, USA and corporate offices in The Woodlands, Texas, USA, and from Warrington, UK, were not included in the scope of reporting or verification. This exclusion extended to river transportation barges owned and operated by The Woodlands administrative site.

Greenhouse gas emissions for seven GHGs (CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O, HFCs, PFCs, SF<sub>6</sub> and NF<sub>3</sub>) were not reported separately in metric tonnes of CO<sub>2</sub> equivalent.



Modifications, If Any

None.

Conclusions

Based on our evaluation of the evidence, in our opinion the statements provided in Ecovyst’s 2023 Corporate Sustainability Report for the period from 1 January 2023 to 31 December 2023 present fairly, in all material respects, Ecovyst’s greenhouse gas emissions, water withdrawal and waste generated and are reported in conformity with the WRI/WBCSD Greenhouse Gas Protocol Corporate Accounting and Reporting Standard, revised edition (2004, as amended in 2013), the GHG Protocol Scope 2 Guidance (2015), and Ecovyst’s metrics for water withdrawal and waste generated.

Approvals

<b>Verification Team Leader:</b>	John Shideler  Date: 2024-06-04	John Shideler earned his PhD at the University of California, Berkeley. He has worked as a lead greenhouse gas verifier since 2007.
<b>Independent Reviewer:</b>	Stephen Boles  Date: 2024-06-04	Stephen Boles earned his Masters of Sciences from the University of Alaska, Fairbanks. He has worked as a lead greenhouse gas verifier since 2010.

Signature

**Verification/Validation Body:** Futurepast: Inc., Arlington, Virginia USA

**Opinion Issued:** 2024-06-14



Advancing the Global Shift Toward Sustainability



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