
Bringing Science to Life.
Sustainably.
Corning is paving the way for cleaner air, cleaner water, and healthier generations to come. For Corning Life Sciences this means bringing science to life sustainably and moving forward in our three focus areas – climate initiatives, design for sustainability, and stewardship.
Go to www.corning.com/LifeSciESG to learn more.
CORNING

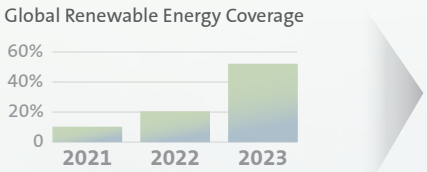
Climate strategies support customer emission goals

Corning committed to two Science Based Target Initiative (SBTi) climate goals for significant emissions reduction by 2028.

In Corning Life Sciences, we are driving environmental strategies that support our customers in three ways. First, we challenge our manufacturing plants to decrease carbon intensity every day through energy efficiency. We have achieved the ENERGY STAR Challenge for Industry – which requires a 10% or more decrease in energy intensity in 5 years or less – at least once in over 90% of our manufacturing plants, and we are not done yet!

Renewable energy is the second critical component of our climate strategy. Corning's installed solar capacity ranked 4th among US manufacturers in SEIA's 2022 Solar Means Business **survey**. We are augmenting the positive impact of onsite solar installations at several of our facilities with participation in renewable virtual power purchase agreement projects to decrease our carbon impact and support the addition of green electricity to the grid. To further maximize benefit, we are assessing opportunities to further electrify processes and incorporate energy alternatives to natural gas.

Renewable Energy at Corning Life Sciences



In 2023, 50% of our global production — encompassing over 3,000 SKUs — is covered by renewable energy through a combination of Renewable Energy Certificates (RECs) from on-site solar, corporate virtual power purchase agreements, Guarantees of Origin, and unbundled REC purchases.

We are also working with our major vendors, contract manufacturers, and logistics providers to define and reduce Scope 3 emissions associated with our supply chain.

SBTi Climate Goals

Target Year 2028 vs. 2021	Target Classification
-30% Scope Emissions 1 2	alignment with 1.5°C future scenario
-17.5% Scope Emissions 3	alignment with 2.0°C future scenario

1 SCOPE — **Direct GHG Emissions**
Associated with processes of combustion related to our activity

2 SCOPE — **Indirect GHG Emissions**
Resulting from the generation of purchased electricity

3 SCOPE — **Indirect GHG Emissions**
Related to our supply chains and transport

Corning Life Sciences
Amsterdam, Netherlands

Designing products with sustainable intent

Providing innovative products and technologies that enable our customers to develop and deliver life-saving therapies is at the heart of the Corning Life Sciences' mission. We recognize our planet's resources are finite and climate change presents a real and growing concern, requiring us to reimagine product and packaging development.

By incorporating Design for Sustainability (DfS) into our development and engineering processes, we are bringing a more environmentally friendly and diverse mindset to our innovation efforts from the start as we consider materials, process, suppliers, and end-of-life.

Sustainable labware by design

Corning® CoolCell® Products

Alcohol-free, no hazardous waste. Less energy – all day cooling or freezing

Reloadable Pipet Tip Boxes

100% recycled polypropylene. Reuse with reloadable tips

Corning Cell Culture Treated U-shaped Flasks

23% less plastic vs. standard flask design

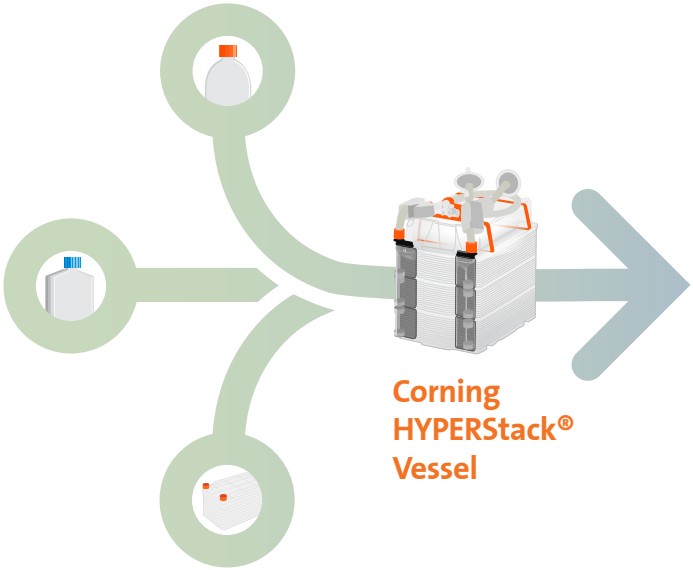
Axygen® Brand Product Cartons

New format features aqueous ink and eliminates lamination for all e-flute versions, making the cartons 100% recyclable.

Intensify your production process for more sustainable operations

A key strategy to reduce the plastic footprint in modern laboratories is intensifying production scale. Designing products that enable the production of more cells or viral vectors in the same or smaller footprint results in less plastic per unit of output – and less emissions associated with plastic resin production and end-of-life incineration. Other materials such as packaging, and in some cases, media may also be reduced even as productivity increases.

Read more about innovation and intensification here.



Stewardship: working together for a sustainable future

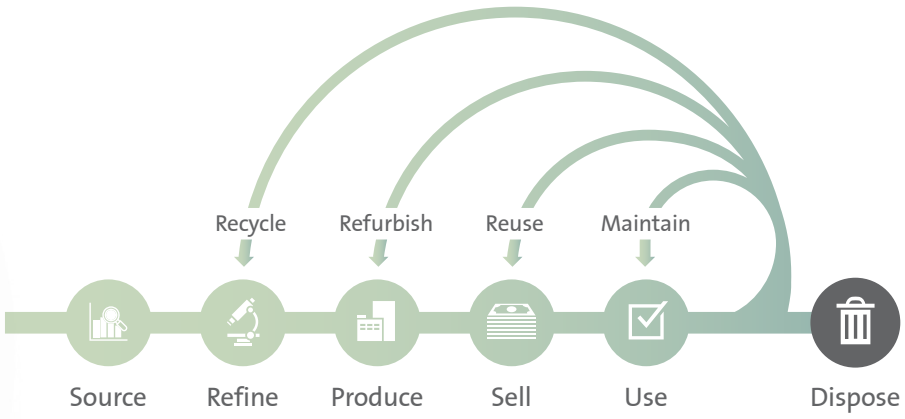
At Corning Life Sciences, we believe that end-of-life recycling opportunities are an important enabler for a cleaner environment and the wise use of material resources. When we conducted a life cycle analysis of polystyrene pipets, we discovered that most lifetime emissions resulted from the conversion of fossil fuels into resin and post-use product incineration – issues that can be addressed through a circular ecosystem for real carbon reduction. We encourage our customers to join us in our efforts to divert packaging waste from landfills and minimize the emissions associated with product incineration.

Recycling

The Corning Life Sciences Packaging Take-back Program offers customers an opportunity to recycle Corning®, Falcon®, and Axygen® product packaging. Products accepted include pipet tip racks and lids, centrifuge tube styrofoam racks, plastic bags and peelable lidding film paper from cell culture dishes, plates, and flasks with Recycling Resin Numbers 2 or 4. Participation in this program is simple, click the link to learn more.

Circularity

The inaugural Northeast Single-use Plastics Circularity Summit in September 2022 opened a conversation about emerging circularity opportunities for the Life Sciences Industry. The one-day event included informative presentations on the state of the industry and collaborative discussions by participants across the ecosystem on how to move forward. To learn more and watch last year's event, click the link.



Frequently asked questions

I heard Corning has a recycling program. How does this work, and who do I contact to arrange this?

Corning Life Sciences currently supports lab product packaging take-back for US-based customers. Details about the program are available **here**. We are exploring options for other countries and regions, to include the opportunity for our customers to participate in advanced recycling ecosystems as they become available, which will generate resin feedstock for potential use with new life science products. Until that time, please direct questions about the recyclability of your packaging to your Corning account manager.

How can I improve the efficiency of my bioprocess workflow?

Workflow efficiency is a great way to enhance process sustainability, and we have products such as the Corning® Elplasia® 12K flask, Corning HYPERStack® vessel, and Corning Ascent® FBR system to minimize footprint while maximizing output. Consult with your Corning Field Application Specialist to get help with "right-sizing" each step of your process.

How do I know what the product packaging is composed of and if it is possible to recycle?

Corning Life Sciences is working to ensure that all packaging is labeled with the appropriate recycling symbols and information. Until that time, please direct questions about the recyclability of your packaging to your Corning account manager.

What certifications does Corning have related to sustainability?

All Corning Life Science plants are certified as conforming to International Standard ISO 14001. This standard specifies environmental management system requirements, and is used to enhance our environmental performance, fulfill compliance obligations, and achieve our environmental objectives (documentation is available upon request). In addition, we have achieved B ratings for Climate and Water from CDP (formerly the Carbon Disclosure Project); see **here** for our 2022 results. Know the Chain ranked 16 out of 49 Information Technology Companies against which Corning as a corporation is compared for 2020-2021; see details **here**. Check with your Corning account manager for updates on other certifications we have achieved.

Are recycled or reused materials used in the production of the products?

Some Corning Life Sciences products benefit from post-industrial regrind, a process that captures scrap plastics and resins from manufacturing for use in production; percentages vary depending on the product. Recycled resins are also starting to become available, though recycled content is currently very low. We are actively working with our supply chain to explore the technical viability of recycled resins for future use with our products.

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