DuPont Shelter Solutions

SUSTAINABILITY PROGRESS UPDATE

2024

A MESSAGE FROM TIM LACEY AND SHAWN HUNTER

TIM LACEY
Global Vice President & General Manager, *DuPont Shelter Solutions*

SHAWN HUNTER
Global Sustainability Director, *DuPont Shelter Solutions*

To our customers and collaborators,

2023 was a year for the climate record books. In a year when Canadian wildfires shattered previous records, we saw the unprecedented impact of wildfire smoke impacting millions of people in the eastern US. In Midland, Michigan where we both live, for the first time we found that we needed to regularly consult the Air Quality Index forecast when planning our daily activities. This anecdote is just one of the many impacts on life and health that our global community is increasingly dealing with in a climate-changed world.

The extreme weather events that we see increasing – and the billions of people who are impacted – each year underscore just how important it is to work together in finding the bold solutions needed to keep global temperature rise to within the 1.5°C limit set by the Paris Agreement. If you're reading this report, then you're already familiar with the critical role that the built environment has to play in addressing the climate crisis, which includes driving all buildings globally to net zero whole life carbon by 2050.

At DuPont, 2023 was also a record year for our climate ambition – one in which we not only ratcheted up our climate ambition to align our 2030 GHG reduction goals goals with the Science-Based Targets initiative (SBTi), but we also met our new goal, seven years ahead of schedule. We're proud to share that our business, DuPont Performance Building Solutions & Corian® Design, played a significant role in supporting that accomplishment. At the business level, led by product reformulations achieved by our innovation and operations teams, we've driven tremendous reduction in our Scope 1 & 2 GHG emissions since 2019, achieving a 78% reduction in 2023.

We're optimistic that by working together with a shared vision, we in the construction industry can achieve similar milestones of progress toward a net-zero built environment. To support that progress, we must work together with you, our collaborators in the built environment. We must work together to find low-embodied carbon raw material options that can be viable in the market, while also treating energy efficiency and demand-side management as a primary means to decarbonize buildings. The WBCSD Built Environment Market Transformation Action Agenda outlines additional levers that will help us collectively achieve a net zero built environment, including the adoption of whole life carbon assessment to inform our decisions.

When we look at the impact of the climate crisis on our global home, it's easy to understand why we at DuPont talk about innovating in the built environment as if our future depends on it. Regardless of any particular GHG reduction accomplishment, we know that we cannot rest until we're collectively contributing to a net zero built environment. Because it's not only what a growing number of our customers expect... it's what today's and tomorrow's generations deserve.

Tim Lacey and Shawn Hunter Share Their Thoughts on our Continued Decarbonization Journey

SHELTER SOLUTIONS AT A GLANCE

The Shelter Solutions business comprises the DuPont Performance Building Solutions and Corian® Design businesses within DuPont.

SHELTER SOLUTIONS PURPOSE

To help communities create, protect, and beautify the built environment under a progressive banner of sustainability

DUPONT Tyvek®
DUPONT Styrofoam™ Brand
DUPONT Thermax™
GREAT STUFF™
CORIAN® DESIGN
DUPONT Froth-Pak™
DUPONT ArmorWall™

Shelter Solutions is positioned for growth with its innovative products that solve for high-value challenges for key customer segments. Our portfolio of leading brands provides the following value propositions in the non-residential construction, residential construction, and repair/remodel markets:

- Integrated systems to ensure energy-efficiency and protection against the elements, backed by warranty and in-field building science support
- Robust portfolio of air sealing and insulation solutions that create more comfortable, sustainable, and energy-efficient structures
- Providing durability and comfort throughout the life of a structure
- World leading aesthetics and functionality (delivering durability and hygiene) for today's interior design challenges

Shelter Solutions is comprised of

1,100 employees

13 manufacturing sites

85+ contract manufacturing sites worldwide

About DuPont Performance Building Solutions

DuPont Performance Building Solutions is a global innovation leader in the building and construction industry, providing products and materials for all six sides of the building envelope. By developing solutions for managing the air, water and thermal performance of buildings and residences, we help our customers build energy-efficient, resilient, and durable shelters in a rapidly changing world. Backed by unmatched industry insight, building knowledge, and technical support, as well as world-class brands such as Styrofoam™, Tyvek®, and Great Stuff™, our products and services portfolio enables customers to focus on what they do best, no matter where and how they choose to build.

About Corian® Design

Corian® Design, a division of DuPont Water & Protection, is a global organization which creates, manufactures, and markets advanced materials, products, and solutions for interior design and architecture, originating from a foundation of world-class technologies and expertise. Marketed under the Corian® brand and the Make your Space™ tagline, its materials, products, and solutions meet the most demanding requirements in terms of beauty, functionality, and durability. The Corian® Design global portfolio is continuously evolving, and it currently includes Corian® Solid Surface and Corian® Quartz. To learn more about Corian® Design: **click here.**

OUR SUSTAINABILITY **STRATEGY**

OUR PLANET IS OUR "HOME," AND THERE IS NO PLACE LIKE IT.

We focus on working with the industry to deliver innovative solutions that protect our planet by driving whole life carbon of buildings to net zero, increasing circularity of materials, and utilizing chemistries that are safe and sustainable by design to realize our shared vision of a sustainable "home" where current and future generations can thrive.

ADVANCING DUPONT'S 2030 SUSTAINABILITY GOALS

Our goals are crafted in support of our vision for the built environment and inspired by **DuPont's 2030 Sustainability Goals.** For the latest progress on DuPont's goals, please see our **2024 company sustainability report.**

OUR 2030 GOALS

Sustainability Goals for DuPont Shelter Solutions

ACTING ON CLIMATE

We will reduce Scope 1 and 2 GHG emissions from DuPont Performance Building Solutions and Corian® Design operations by 75% from a 2019 baseline.

SAFE AND SUSTAINABLE BY DESIGN

We will collaborate with our customers and key partners to bring green chemistry innovations to the market and will drive continued reduction in the presence of substances of concern in our portfolio.

DELIVERING SOLUTIONS FOR GLOBAL CHALLENGES

We will deliver innovative construction solutions that enable the energy efficiency, weatherization, and fire resilience of buildings, while improving the productivity and quality of the installation.

ENABLING THE CIRCULAR ECONOMY

We will advance the circular economy in the building industry through innovation in materials and business models, collaboration, and end-of-life plans that eliminate and up-cycle waste across the product life cycle.

BUILDING THRIVING COMMUNITIES

We will strenghten families and empower the next generation through fostering inclusivity, partnerships, and employee volunteerism globally.

DELIVERING SOLUTIONS FOR GLOBAL CHALLENGES

GOAL

We will deliver innovative construction solutions that enable the energy efficiency, weatherization, and fire resilience of buildings, while improving the productivity and quality of the installation.

GOAL PROGRESS

- Launched DuPont™ Tyvek® Trifecta™, ArmorWall™ System, and Styrofoam™ Brand Plazamate™ XR, advancing our Sustainable and Productive Construction innovation platform
- Completed our blowing agent reformulation to deliver Low-GWP Styrofoam™ Brand Insulation
- Won six sustainable innovation awards since launching our goals in 2020, including two R&D 100 Awards and two American Chemistry Council Sustainability Leadership Awards
- Named 2023 Eco-Leader by Green Builder® Media, recognizing DuPont's leadership in Environmental, Social, and Governance (ESG) integration into the company strategy
- Continued to activate our sustainability DNA through the Shelter Solutions Sustainability Network

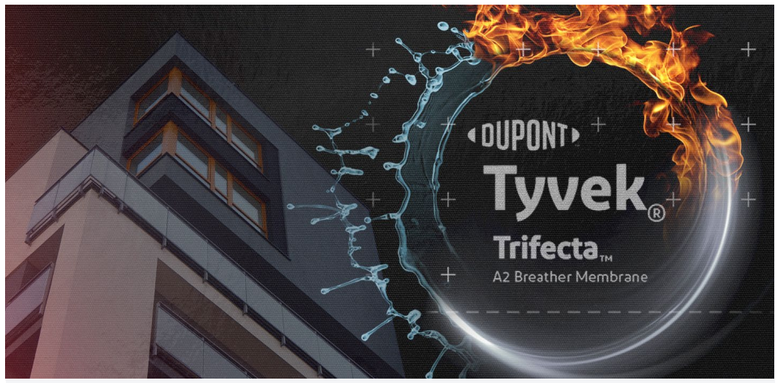
OUR APPROACH TO SUSTAINABLE INNOVATION

COLLABORATE
with our customers to deliver sustainable innovation at scale

LEARN
faster than the market is changing

APPLY
Life Cycle Assessment (LCA) and product sustainability assessment to inform innovation decisions

DELIVER
our Sustainable and Productive Construction innovation platform



Protecting High-Risk Buildings with Tyvek® Trifecta™ Fire-Rated Breather Membrane

Creating a high-performing building that protects both the environment and its occupants is crucial. One key element of a sustainable building is an effective yet breathable fire-rated membrane that not only reduces the risk of moisture damage but also facilitates higher indoor air quality for occupants. Due to an ever-increasing need for fire protection, Tyvek® Trifecta™, a non-combustible[1] breather membrane, was introduced to the market. Tyvek® Trifecta™ exceeds regulatory requirements for fire performance and is well-suited for high-rise and high-risk commercial and residential buildings, combining the best of both worlds – air and water tightness with vapor openness. Its unique properties make it the ideal solution for protecting your building against water infiltration while allowing water vapor from indoor activities to escape.

Decarbonizing the Styrofoam™ Brand XPS Insulation Portfolio

In a groundbreaking move towards decarbonization, all of our North American manufacturing sites that manufacture Styrofoam™ have successfully converted to Low-GWP Styrofoam™ Brand XPS insulation, featuring a low global warming potential (GWP) formulation that reduces embodied carbon by an impressive 94%.[2]

This new formulation maintains the Styrofoam™ Brand XPS insulation's unparalleled thermal and moisture-resistant performance, fulfilling market requirements while reducing environmental impact. The new and improved insulation enables customers to apply the LCA Optimization option for the **LEED v4.1 Environmental Product Declarations credit.**

This monumental product innovation milestone demonstrates our unwavering commitment to sustainability. We are beyond grateful to receive recognition for our dedicated, creative, and collaborative cross-functional team that brought the Low-GWP Styrofoam™ Brand XPS Insulation to life. I am thrilled and motivated to collaborate further with our team to continue delivering top-notch innovations to create a sustainable future for our planet."

Dr. Anson Wong,

Lead Scientist, DuPont Performance Building Solutions

Sustainability Leadership AWARD

Our low-embodied-carbon Styrofoam™ Brand XPS Insulation has received accolades for its sustainable innovation, winning the **2023 American Chemistry Council Sustainability Leadership Award** in the Environmental Protection category, recognizing our contributions to sustainability.

[1] EN13501-1, Class A2-s1,d0
[2] https://www.dupont.com/content/dam/dupont/amer/us/en/performance-building-solutions/public/documents/en/DuPont-Styrofoam-Optimization-Assessment-Final.pdf
https://spot.ul.com/main-app/products/detail/612fbfb8166bd618793d176f?page_type=Products%20Catalog

Sustainable and Productive Construction Platform

Advancing sustainability in the built environment requires innovative construction solutions that help drive whole life carbon of buildings to net zero, increase circularity of materials, and utilize safe and sustainable chemistry, to realize our shared vision of sustainability within the built environment. Our innovations enable integrated building envelope solutions that drive energy efficiency, weatherization, durability, fire resiliency, build cycle reduction, and quality of insulation.

Customer Innovation and Sustainability Challenges We're Addressing:

ENERGY EFFICIENCY AND WEATHERIZATION
GHG emissions from buildings must be reduced 50% by 2030 to avoid the worst impacts of the climate crisis. Regulations are driving higher energy efficiency requirements for buildings, and customers are looking for solutions in support of stricter building codes. To meet this need, we are working to deliver thermal insulation and air sealing solutions in support of increasing building codes and building decarbonization goals.

DURABILITY AND FIRE RESILIENCE
Climate change is leading to higher levels of precipitation and more extreme weather events. As a result, customers are demanding fire and flood resistant building materials. To meet this need, we are developing novel building materials that enable high performance fire standards and improve the weatherization of the building envelope.

BUILD CYCLE SIMPLIFICATION AND INSTALLATION QUALITY
The construction industry is facing significant labor shortages. As a result, the industry is seeking products that require less field labor to install. To meet this need, we are working to provide integrated functionality for building envelope wall systems to improve the ease and quality of installations for new construction and growing renovation markets.

ADVANCING SUSTAINABILITY IN THE BUILT ENVIRONMENT
As we invest in this innovation platform, we will collaborate with our customers and the industry to deliver innovative construction solutions that help drive whole life carbon of buildings to net zero, increase circularity of materials, and utilize safer chemistries, to realize our shared vision of sustainability within the built environment.

GREEN BUILDER® MEDIA 2023 ECO-LEADER AWARD

In 2023, we were **recognized by Green Builder® Media** through the 2023 Eco-Leader Award, naming DuPont a global leader in sustainable product design driven by environmental, social, and corporate governance criteria (ESG), which is critical in moving the needle towards a carbon neutral future.

Activating Our Sustainability DNA through Employee Engagement in the Shelter Solutions Sustainability Network

The passion and capability of our colleagues across DuPont are among the most important enablers of our collective sustainability success. With the introduction of our business sustainability goals in 2020, we launched the "Shelter Sustainability Network" as an opt-in forum for our employees to engage in an ongoing conversation on sustainability. Intended as a forum to foster the sustainability-focused culture and passion for sustainability-enabled growth that exists in our business, this network brings together dozens of colleagues from across the globe. Regular discussions focus on how sustainability is playing a role in our strategies, innovation projects, and operations, with participants sharing market-backed insights and highlighting sustainability trends that present opportunities for us to deliver sustainable innovation. This network is fostering a sustainable mindset that is helping advance our ability to make sustainability happen in the marketplace.

We recognize and value the insights that our customers and market influencers can bring to these conversations and that may inform our next steps, so we welcome external voices to our network discussions. We're committed to providing a seat at the table to those who share our passion for sustainable innovation. Please continue to keep an eye out for more sharing on the **DuPont Sustainability homepage.**

Delivering the Highest R-Value per Inch Among Extruded Polystyrene Foams with Styrofoam™ Brand Plazamate™ XR

In line with our dedication to using science-based solutions to drive whole life carbon of buildings toward net zero, a new roofing insulation product has been introduced that delivers the highest thermal resistance per inch on the market with an "Xtra R-Value" option. At R-6.7 per inch, Plazamate™ XR Extruded Polystyrene (XPS) Foam has the highest thermal resistance per inch of any XPS roofing insulation – 30% higher than a standard XPS product. As a result of this innovation, the insulation thickness can be reduced while delivering the same total R-Value; for example, two inches less insulation is required for an R-40 roof using Plazamate™ XR, compared with conventional XPS insulation. Less insulation means fewer raw materials and fewer supplementary materials to install and fasten the insulation, while maintaining the same level of energy-saving performance.

The Plazamate™ XR XPS Foam was named a recipient of the 2023 R&D 100 Awards by R&D World magazine in the Mechanical/Materials category. The award honors "great R&D pioneers and their revolutionary ideas in science and technology."

Learn more about Plazamate™ XR ▶

AWARDS

We're proud to be recognized as a sustainable innovation leader in the industry. We list here awards and recognitions that we have received in recent years as result of our sustainability efforts.

Awards and recognitions on display in DuPont's Midland, MI office

SHELTER SUSTAINABLE INNOVATION AWARDS

EDISON AWARDS SILVER 2022 WINNER

WON IN 2022 FOR
Low GWP Froth-Pak™ Spray Foam

2023 R&D 100 WINNER

WON IN 2023 FOR
Plazamate™ XR XPS

WON IN 2022 FOR
Low GWP Froth-Pak™

2023 ECO-LEADERS Green Builder® Media

WON IN 2023 FOR
stand-out ESG commitments our company has made

GREEN BUILDER SUSTAINABLE BRAND LEADER 2024

WON IN 2020 & 2022-2024 FOR
Corian® Quartz and Corian® Solid Surface

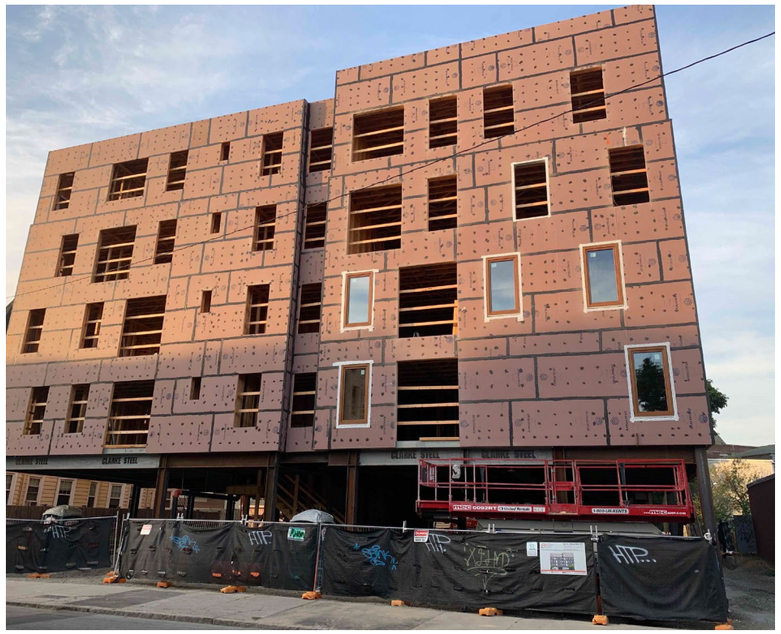
Sustainability Leadership AWARD

WON IN 2023 FOR
Low-GWP Styrofoam™ Brand XPS insulation

WON IN 2021 FOR
Low GWP Froth-Pak™

2021 ASC INNOVATION AWARDS

WON IN 2021 FOR
Low GWP Froth-Pak™



Enabling Productivity and Efficiency through the DuPont™ ArmorWall™ System

The DuPont™ ArmorWall™ System adds a differentiated fire-rated structural insulated sheathing (SIS) offering to the DuPont Performance Building Solutions portfolio. This innovative solution combines the essential elements of the exterior wall (insulation, air- and water-resistive barrier, structural sheathing, and fire resistance) into one comprehensive wall system, delivering unparalleled benefits such as energy-efficient thermal protection and direct cladding attachment with fire code compliance.

ArmorWall™ can help installers complete the job faster, delivering thermal, fire, and water protection in a single pass around a structure – reducing energy loss through thermal bridging of cladding fasteners, while also helping to reduce material waste, cost, and emissions associated with multiple deliveries and extra labor.

ArmorWall™ also enables panelization opportunities, where exterior wall components are preassembled in a controlled environment and then shipped out to job sites, reducing the number of layers laborers must install.

ADVANTAGES OF PANELIZED CONSTRUCTION

Reduced construction waste: Panelized construction helps generate less waste since wall panels are precision cut in a factory and excess materials can be reused or recycled. Also, less waste is generated on site given the wall panels arrive ready-to-install.

Faster construction: Because wall panels are pre-manufactured and arrive on site ready-to-install, panelized construction helps reduce construction time. Shorter construction time has the co-benefits of reducing construction-related emissions, energy consumption, and transportation-related impacts.

ACTING ON **CLIMATE**

GOAL

We will reduce Scope 1 and 2 GHG emissions from DuPont Performance Building Solutions and Corian® Design operations by 75% from a 2019 baseline.

GOAL PROGRESS

- 78% reduction in Shelter Solutions Scope 1 & 2 GHG emissions from a 2019 baseline, surpassing our 2030 goal seven years early
- Significant contributor to meeting **DuPont's SBTi-validated 2030 Acting on Climate goal in 2023**, seven years ahead of target
- Received ISCC PLUS certification at the Tyvek® manufacturing facility in Luxembourg
- Contributed to recent WBCSD publications "Net-zero operational carbon buildings: State of the art" and "Market Transformation Action Agenda"
- Recognized for innovations that reduce embodied carbon as the recipient of the ACC Sustainability Leadership Award in 2021 (Low-GWP Froth-Pak™ Spray Foam) and 2023 (Styrofoam™ Brand XPS Insulation blowing agent)

OUR APPROACH TO ACTING ON CLIMATE

INNOVATE
to reduce embodied carbon of our products

REDUCE
GHG emissions from our operations

PARTNER
with suppliers to find low-embodied carbon raw materials

EXPLORE
biobased, recycled, and attributed options to reduce embodied carbon

ADOPT
a whole life carbon framework to inform decarbonization of buildings

ADVOCATE
for energy efficiency policy and market transformation needed to decarbonize the built environment

Achieving Our SBTi Aligned Climate Ambition

In 2023, at the company level, DuPont announced bolder 2030 climate goals addressing the increasing expectations from customers and stakeholders. New targets were validated by SBTi to meet their near-term target criteria. These include:

- A revised goal to reduce Scope 1 & 2 GHG emissions by 50% by 2030 from a 2019 baseline, going beyond the prior 30% goal that was exceeded in 2022.
- The company's first Scope 3 goal to reduce emissions from purchased goods and services and end-of-life of sold products by 25% by 2030 from a 2020 baseline.

We are pleased to report DuPont surpassed both goals in 2023, helped by the strong contribution from reformulating Styrofoam™ Brand XPS Insulation and Froth-Pak™ Spray Foam product lines.

DUPONT GHG REDUCTION PERFORMANCE IN 2023

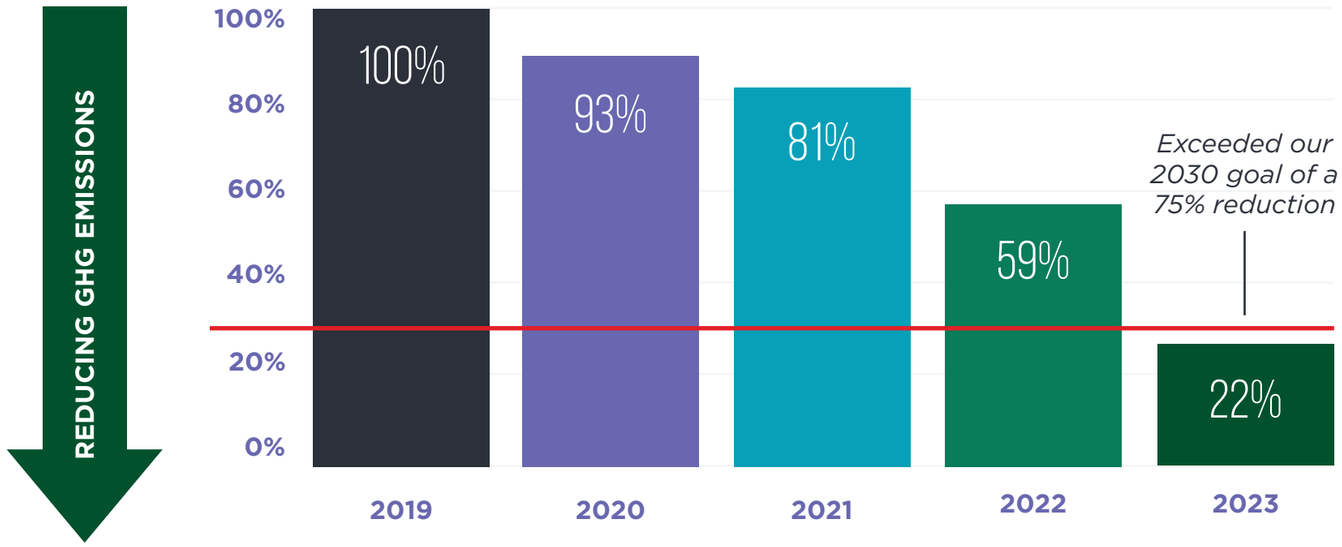
58% reduction of Scopes 1 and 2 emissions from the 2019 baseline vs. 50% goal

39% reduction of Scope 3 emissions from purchased goods and services and end of life of sold products vs. 25% goal

Exceeding the DuPont Performance Building Solutions & Corian® Design Scope 1 & 2 GHG Emission Goal

We are proud to announce a remarkable achievement - a 78% reduction in business Scope 1 and 2 GHG emissions in 2023, exceeding our 2030 goal of reducing emissions by 75% by 2030 (from a 2019 baseline), seven years ahead of schedule. This exceptional reduction was made possible by completing the conversion to low-GWP blowing agent technology in our Styrofoam™ Brand XPS Insulation and Froth-Pak™ Spray Foam Insulation & Sealant product lines. As a reputable industry leader, we remain committed to ensuring that our business is at the forefront of acting on climate. We will continue to find new ways to decarbonize our product lines and the built environment, pushing forth innovation and forging a new path towards a more sustainable future.

SHELTER SOLUTIONS PROGRESS AGAINST 2030 GOAL



This data reflects Scope 1 and 2 (location-based) emissions from DuPont manufacturing operations for Performance Building Solutions and Corian® Portfolios.

100%

Sourcing Renewable Electricity for North American Operations

The DuPont Performance Building Solutions & Corian® Design business sources the equivalent of 100% of the electricity used in our North American manufacturing operations from renewable energy sources through the purchase of Renewable Energy Certificates (RECs).

Driving Decarbonization of Styrofoam™ Brand XPS Insulation

For over a decade, XPS insulation products have relied on hydrofluorocarbon (HFC) blowing agents to achieve important foam properties such as density and thermal insulation performance (measured in R-value). However, because these HFCs are considered potent greenhouse gases based on their relatively high intrinsic GWPs, a low-GWP solution was needed to meet market needs for low-embodied carbon products and to drive climate action.

DuPont Performance Building Solutions reinvented Styrofoam™ Brand Insulation by developing an innovative low-embodied carbon solution that has achieved a significant reduction in GHG emissions across the product life cycle. To accomplish this, our team worked closely with our chemistry and manufacturing equipment suppliers to develop an innovative hydrofluoroolefin (HFO)-based, low-GWP blowing agent formulation that enabled us to achieve a wide range of product properties such as mechanical strength, R-value, and moisture and fire resistance. This ability to produce XPS with tailored performance is crucial to satisfying our customers' demands in wide-ranging application spaces.

To further reduce the embodied carbon beyond the innovative blowing agent formulation itself, we have paired this technology with a state-of-the-art infrared attenuator (IRA) technology to reduce radiative heat transfer. This IRA technology enabled us to reduce the use of blowing agents while still achieving the desired R-value, therefore further reducing the GWP impact and manufacturing costs.

Consequently, our Low-GWP Styrofoam™ Brand Insulation has achieved a 94% reduction in embodied carbon as verified through a third-party Life Cycle Assessment (LCA) study and Environmental Product Declaration (EPD) assessment, while maintaining high product performance and financial viability for our customers.


DUPONT

Styrofoam™ Brand ST-100 Products
Extruded Polystyrene Foam Insulations

Date of Issue: October 27, 2021
Date of Expiration: October 26, 2024

EPD Optimization Assessment

Check out our EPD Optimization Assessment for Styrofoam™, which demonstrates reduction of embodied carbon by 94% compared to the previous formulation.

EPD Optimization Assessment
conducted by WAP Sustainability

Providing Solutions that Decarbonize the Built Environment with IRA Incentives

The Inflation Reduction Act (IRA) is providing opportunities for cost savings in both the residential and commercial sectors. To help our customers identify IRA tax incentives and to help the IRA drive climate action, we offer guidance regarding the IRA incentives available to builders, contractors, and designers.

A primary goal of the IRA is to incentivize investments in efficiency that reduce energy usage and – as a result – greenhouse gas emissions. In service of that goal, the IRA increased the value of and extended three tax incentives:

- **25C tax credit:** A residential tax credit available to homeowners for investing in qualified energy efficiency improvements in their existing homes.
- **45L tax credit:** A residential tax credit available to builders, contractors, and designers for meeting ENERGY STAR® or Zero-Energy Ready Home (ZERH) requirements in new residential construction projects (single family, large multifamily, manufactured homes, and Low-Income Housing Tax Credit (LIHTC) properties are all eligible).
- **179D tax deduction:** A commercial tax deduction available to builders, contractors, and designers for meeting specified energy performance requirements on new or retrofit commercial building projects.

Our products can help building owners and designers earn these credits and deductions by creating a more energy-efficient building envelope. Our insulation products reduce heat transfer; and our wraps, flashing tapes, and sealants help plug gaps in the envelope, helping to reduce air leakage. As a result, the HVAC system doesn't have to run as much to maintain comfortable indoor conditions. An efficient envelope reduces energy waste and brings us incrementally closer to meeting global climate goals.

BRANDS THAT ARE ELIGIBLE FOR IRA INCENTIVES:

DUPONT Tyvek®

DUPONT Styrofoam™ Brand

DUPONT Weathermate™

DUPONT Thermax™

DUPONT Froth-Pak™

DUPONT ArmorWall™

GREAT STUFF™

Driving Energy Efficiency and Lower Operational Carbon through Codes Advocacy

The Shelter Advocacy team holds leadership positions in several energy efficiency-focused industry coalitions, such as the American Chemistry Council, Chemistry Industry Association of Canada, and the Alliance to Save Energy. We advocate for increasing and prioritizing insulation and air-sealing building envelope solutions as the most effective demand-side solution for reducing energy consumption, reducing building GHG emissions, and mitigating increases in power system costs.[3,4]

We engage globally to ensure that regulators and policymakers transparently understand the science behind our decarbonized, energy efficiency-enabling (EE-enabling) products. In 2023, major advancements in our multi-year advocacy effort to increase the use of EE-enabling products included increased adoption of the 2021 International Energy Efficiency Code across the U.S., as well as the release of customer tools and educational resources to facilitate use of tax incentives for homeowners, builders, and developers as part of the 2022 Inflation Reduction Act.

[3] https://buildings2050.lbl.gov/
[4] Impact of Building Envelope Thermal Insulation on Use-Phase Emissions-Final Report, ICF, May 03, 2024

Paving the Way for Low-Embodied Carbon Tyvek® at the Tyvek® Luxembourg Facility

As part of our drive to advance decarbonization in the built environment and increase circularity of materials, we continue to invest in ways to reduce the environmental impact of our products. In 2023, the Tyvek® manufacturing facility in Luxembourg received International Sustainability and Carbon Certification (ISCC) PLUS certification, which recognizes the incorporation of bio and/or circular materials into the supply chain through transparent and traceable practices.

This initiative is one example of action we are taking to identify and pursue low-embodied carbon options for our products.

"ISCC PLUS enables the use of sustainable raw materials derived from renewable and recycled sources through the mass balance approach. This helps enable a lower carbon footprint for Tyvek® products, which can be transferred to our value chain partners who continue to eagerly seek more sustainable products."

David Domnisch,

Vice President and General Manager, DuPont™ Tyvek® and Typar®

Partnering with WBCSD to Transform the Market

As a member of the **World Business Council for Sustainable Development** (WBCSD), a global community of transformational organizations aimed at shifting economic systems toward a better future, we have contributed to recent progress aimed at developing tools and a common language for climate action in the built environment. In 2023, we supported the development of the latest WBCSD report on net-zero buildings, **"Net-zero operational carbon buildings – State of the art"**, featured by WBCSD at COP28, and the **Market Transformation Action Agenda**, released in support of the first **Buildings and Climate Global Forum.** These efforts, which emphasize the importance of adopting whole-life carbon assessment as a lever for decarbonizing buildings, support our shared vision of achieving net-zero operational carbon in buildings by 2030 and net-zero whole life carbon in buildings by 2050. We encourage our customers and stakeholders to use these resources to inform their own carbon action decisions.

Jeff Hansbro,
Global Advocacy Director, *DuPont Shelter Solutions*

Roland Hunziker,
Director, Built Environment, *WBCSD*

Shawn Hunter,
Global Sustainability Director, *DuPont Shelter Solutions*

Participating in the WBCSD Market Transformation Workshop during Climate Week NYC 2023

ENABLING A **CIRCULAR ECONOMY**

GOAL

We will continue to advance the circular economy in the building industry through innovation in materials and business models, collaboration, and end-of-life plans that eliminate and upcycle waste across the product life cycle.

GOAL PROGRESS

- Maintained and expanded recycled content offerings within our Corian® Solid Surface and Styrofoam™ Brand XPS Insulation product portfolios, including eight new colors of Corian® Solid Surface containing recycled content
- Expanded the sample take-back program for Corian® Solid Surface and Corian® Quartz samples
- Introduced a new fabricator scrap take-back program for Corian® Solid Surface fabricators
- Partnered with American Hydrotech to introduce Styrofoam™ Brand Plazamate™ XR for protected membrane systems that are thinner in profile and designed for easy insulation reuse during re-roof

OUR APPROACH TO ENABLING THE CIRCULAR ECONOMY

INNOVATE
to incorporate circular materials into our products

RECOVER
waste material to be recycled in our operations and upcycled from across the product life cycle

DESIGN
circular products to facilitate end-of-life recovery

Reducing Sample Waste Through a Sample Take-Back Program

To help reduce the waste associated with Corian® Solid Surface and Corian® Quartz in North America, we have launched a Product Sampling Take-Back Program. Customers can send back their used samples, free of charge, for repurposing into new samples or reuse as Corian® sample products, keeping them out of landfills.

Expanding the Fabricator Scrap Take-Back Program to Deliver Higher Recycled Content

To reduce value chain waste associated with our Corian® Solid Surface products, we launched a fabricator scrap take-back program, which allows Corian® Solid Surface fabricators who purchase, cut, and design with Corian® Solid Surface to send their scraps back to be recycled into new Corian® products at no cost to them. Piloting the program in 2023 with nearly a half dozen fabricators around the United States, we collected more than 70,000 pounds of Corian® Solid Surface scrap. As a result of this successful pilot, we have expanded the program across the United States market and are focusing our efforts to include more fabricators than ever before.

This program not only allows us to create new Corian® Solid Surface sheets that contain post-consumer recycled content (PCR), but it also allows our value chain to reduce landfill waste.

Because this program generates more products that have PCR, we can create more recycled content colors that are SCS-certified. In turn, these products help our customers meet the requirements of the Sourcing of Raw Materials credit in their pursuit of LEED certification. This program is a journey, and we are looking forward to expanding to even more fabricators to build on our circularity goals and help our value chain achieve theirs. Together, we can create a circular economy.

The Corian® Solid Surface recycled content portfolio displayed at the 2024 International Builders Show (IBS).

SAFE & SUSTAINABLE BY DESIGN

GOAL

We will collaborate with our customers and key partners to bring green chemistry innovations to the market and will drive continued reduction in the presence of substances of concern (SoCs) in our portfolio.

GOAL PROGRESS

- Launched Thermax™ NH Insulation Series, the first Class-A polyisocyanurate sheathing without halogenated flame retardants
- Avoided known substances of concern in the creation and launch of Tyvek® Trifecta™ Fire-Rated Breather Membrane through careful management by the Product Stewardship team
- Continued to provide transparency documents for our products, including GreenCircle-certified manufacturer inventories, Declare labels, and Environmental Product Declarations (EPDs)
- Continued to advance a robust pipeline of nine funded research projects that address substances of concern

OUR APPROACH TO INNOVATING GREEN CHEMISTRY

DRIVE
opportunities to avoid or eliminate substances of concern in our portfolio

APPLY
green chemistry principles when designing new products and processes

ENGAGE
product stewardship team and conduct Product Stewardship Reviews throughout the innovation process

PROVIDE
product transparency documentation and certification

Avoiding Substances of Concern in New Product Launches: DuPont™ Tyvek® Trifecta™ Fire-Rated Breather Membrane

Our product stewardship commitment drives us to ensure that the products we bring to market are safe for use across the life cycle and aligned to our safe and sustainable by design vision. This commitment is enabled by our business Product Stewardship (PS) team, who collaborates across the business to conduct PS reviews for all new and existing products and applications. These reviews, which include detailed health, safety, and environmental impact assessments, play an instrumental role in our innovation process, including helping innovation teams identify and avoid the use of SoCs. As one example, during the development of the recently launched Tyvek® Trifecta™ Fire-Rated Breather Membrane, good collaboration between the technical team and the Product Stewardship team resulted in a new solution that was ultimately commercialized, intentionally avoiding known SoCs.

Advancing Green Chemistry through Our Innovation Pipeline

As a strategic priority within our business innovation strategy, we are conducting research that will advance our green chemistry vision. As of the end of 2023, we have a robust pipeline of nine funded research projects that, if successfully commercialized, would advance our goal to reduce or eliminate SoCs from products in our portfolio. In addition to these funded projects, we have multiple additional concepts under early-stage evaluation. Our technical teams continue to advance these efforts, and we look forward to celebrating future green chemistry successes similar to the Thermax™ NH innovation.

Delivering Product Transparency

As part of our product stewardship vision, we recognize our stakeholders' needs for product information and transparency that goes beyond the Safety Data Sheet and are committed to providing transparency documents for the products in our portfolio.

Transparency efforts, which provide product sustainability information used by customers to meet product transparency program requirements, include:

- Providing material ingredient transparency through certification organizations like GreenCircle, Declare, HPD, Mindful Materials, SINTEF, and Byggvarubedömningen
- Providing embodied carbon and other Life Cycle Assessment (LCA)-based information through Environmental Product Declarations (EPDs), hosted on platforms like UL Spot and EPD International
- Providing additional sustainability-related information on our products, including recycled content and Volatile Organic Compound (VOC) certifications, where applicable

We are continuing to expand our portfolio of EPDs available for our products, with multiple EPD projects underway in 2024. As EPD expectations evolve and EPDs serve as a critical enabler of decarbonization in the built environment, we will continue to evolve our EPD effort to meet the needs of our customers.

Visit our Resource Center to see our portfolio of sustainability and transparency documentation. ▶

Driving Impact with the Reformulation of Thermax™ Polyisocyanurate Insulation

We reformulated Thermax™ polyisocyanurate (polyiso) insulation to intentionally remove halogenated substances. We are proud to be the first Class-A polyiso sheathing manufacturer to phase out the halogenated flame retardants commonly used in building insulation polyiso foams while continuing to meet stringent wall building code requirements.

The resulting Thermax™ Non-Halogen (NH) Series products represent the first polyiso, Class-A, non-halogen products in the North American above-grade commercial wall systems market. This innovation advances our commitment to bring green chemistry innovations to the market and drive continued reduction in the presence of priority substances in our portfolio.

The Thermax™ NH Series has achieved Living Building Challenge (LBC) Red List Approved certification under the Declare label, meaning 99% of the ingredients present and disclosed in the final product do not contain any Red List chemicals. The reformulated product line was also announced as a finalist for the 2022 CPI Polyurethane Innovation Award.

BUILDING **THRIVING COMMUNITIES**

GOAL

We will work to build communities, strengthen families, and empower the next generation across the globe.

GOAL PROGRESS

- Contributed 1,522 volunteer hours in 2023, surpassing our goal to increase the number of volunteer hours by DuPont Performance Building and Corian® Design employees from 1,075 to 1,200
- Established Community Impact contacts at most of our DuPont Performance Building Solutions and Corian® Design sites to coordinate and drive community engagement efforts for greater impact across the globe

OUR APPROACH TO BUILDING THRIVING COMMUNITIES

BUILD
communities by leveraging our partnership with Habitat for Humanity International to deliver more affordable housing

STRENGTHEN
families by helping provide basic needs through community impact drives

EMPOWER
the next generation through volunteerism and engagement with schools and STEAM (Science, Technology, Engineering, Arts, and Mathematics) programs

Driving Impact through Environmental Protection: *Clear Into the Future Grants Support Biodiversity in Midland, Michigan*

Our vision is to create a sustainable "home" where current and future generations can thrive. In service of that vision, DuPont administers the Clear Into the Future (CITF) grant program, whose mission is "to drive positive impact by protecting the environment and empowering the community to thrive." In 2023, Chippewa Nature Center and Little Forks Conservancy became recipients.

DuPont awards CITF grants to non-profits within the communities where they operate as a way of supporting its commitment to being a good neighbor and creating stronger, healthier communities. Grants are awarded to employee-nominated non-profits that contribute to the program's mission.

Both 2023 grants will restore land by removing invasive exotic plant species and then planting native trees, shrubs, and wildflowers. These efforts are expected to increase biodiversity in the region. Restoring biodiversity provides multiple environmental benefits, including:

- Healthier, stronger ecosystems that are more resilient to disturbances like natural disasters;
- Provision of valuable ecosystem services like cleaning the air and water, absorbing floodwater, pollination, and moderating ground-level temperatures; and
- Mitigation of climate change by acting as a carbon sink.

Improving Health and Privacy through Partnering with Habitat for Humanity

We partnered with Habitat for Humanity Japan on a Shelter Repair Program for the **Elizabeth Saunders Home**, an orphanage in Kanagawa, greater Tokyo area. Products were donated, and employees volunteered to help complete the construction of "movable rooms" in the building, allowing for flexible spacing depending on occupants' needs. These rooms were created to help overcome privacy and infection problems – the old building did not provide enough space to protect the individual privacy of children, nor was it sanitary enough to reduce the risk of COVID-19 transmission.

Led by: Hikari Iwashita

Building Thriving Communities

The DuPont team helped install Tyvek® with the Richmond Metro Habitat for Humanity Construction Supervisors to properly flash windows and doors.

We're proud to give back to our community in Richmond, where we manufacture Tyvek®.

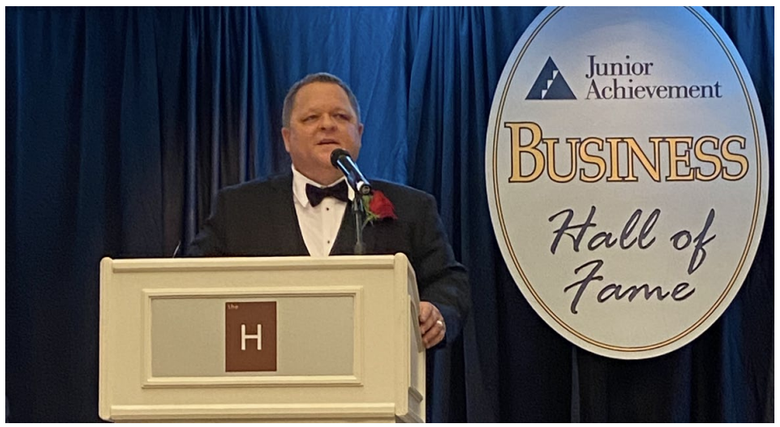
Led by: Jim Katsaros, William Ranson

Tim Lacey Inducted Into Business Hall of Fame for Community Impact and Leadership

This year, we're incredibly proud to announce that our very own Tim Lacey has been inducted into the Business Hall of Fame as a Laureate, awarded by the Junior Achievement of North Central Michigan. As a leader, Tim serves on the Board of Directors for the Midland Business Alliance, the Great Lakes Bay Region, and the State of Michigan - but his passion for community extends far beyond his professional responsibilities.

Diversity, equity, and inclusion are more than just buzzwords for Tim - he lives and breathes these values every day. As a Habitat for Humanity volunteer for over 30 years, Tim has served on the Midland Country Habitat for Humanity Board of Directors for the maximum term of 6 years, and was recognized as Volunteer of the Year in 2022.

His dedication to community impact extends through his volunteer engagements with a diverse range of organizations that help strengthen families, build communities, and empower the next generation. We're honored to work alongside such an incredible individual who is not only dedicated to driving sustainability and innovation in the industry but also making a meaningful impact on the world around us. Congratulations, Tim, on this well-deserved recognition!



DuPont Styrofoam Corporation (DSC) Supports Local Schools in Japan

DuPont Styrofoam Corporation (DSC) in Japan remains committed to supporting the local communities where our manufacturing plants are located. One way we're doing this is through continuing our donations to these communities. In 2023, we delivered educational books to high school students, providing them with unparalleled opportunities to learn and grow. Some of the schools involved include:

- Utsunomiya Tech High School
- Imaichi Tech High School
- Kanuma Marchant High School
- Kasaoka Tech High School
- Fukuyama Tech High School

Contributing to Our Communities Around the Globe

Over the past year, we have continued to give back to our communities globally. Through our efforts to partner with local organizations in the communities where we operate, we have contributed to numerous community engagement events, delivering results that include:

01 — 200+ employees volunteered more than 1,500 hours of their time

02 — Employees gifted more than 2,300 items and $5,900 to individuals in need through employee-giving drives

03 — Upcycled laptops, office cubicles, and display cases to local non-profit organizations, allowing them to use their limited funds on more mission-based work and keeping these items out of landfills

LOOKING **AHEAD**

The Shelter Solutions team is proud of the sustainability and climate progress we've achieved since launching our sustainability goals in 2020. This decade continues to be a critical decade for our planet, and for the building and construction industry as a whole. As we look ahead, we'll continue to activate the sustainability that is in our DNA, harnessing our collective passion, expertise, and purpose that makes us proud to be a member of the Shelter Solutions team.

This year we've reached a significant milestone in achieving our 2030 GHG reduction goal, but we're not satisfied until our entire construction industry is performing at net zero whole life carbon. In the coming year we're continuing to drive our sustainability goals forward, working hard to innovate as if our future depends on it – because it does, now more than ever.

We hope you'll join us! If you're similarly inspired by the collective impact that we can have on sustainability in the built environment, reach out to your DuPont colleagues to discuss, and follow our continued progress here:

CONTACT US

Shelter Solutions Employees Explain Why Sustainability Matters To Them


Stacy Coughlin

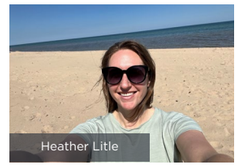

Andrea Albert


Melissa Grant

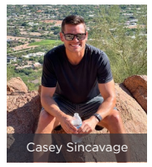
"To lead by example so the next generation is empowered to continue sustainable practices and to keep passing on the knowledge, insights, and significant actions we have achieved."

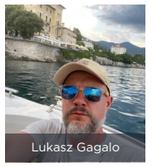
-Kayley Gordert


Kayley Gordert


Heather Litle

WHY DOES **SUSTAINABILITY** MATTER TO US?


Casey Sincavage


Lukasz Gagalo


Anastasia Dimitropoulou

"I want my kids to experience all that this earth has to offer!"

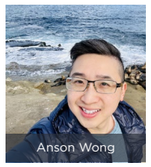
-John Denison

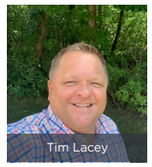

John Denison


Charles Bisignaro


Jai Venkatesan

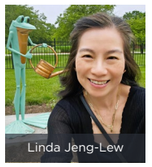

Jeffery Hansbro

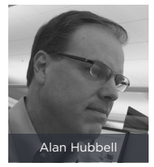

Anson Wong

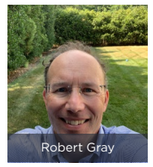

Tim Lacey

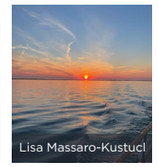
"Because we must protect our planet by infusing value-creating sustainability priorities into our lives, fostering sustainable innovation and supporting a thriving community."

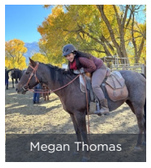
-Tim Lacey

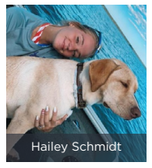

Linda Jeng-Lew


Alan Hubbell


Robert Gray

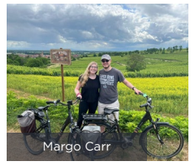

Lisa Massaro-Kustucl

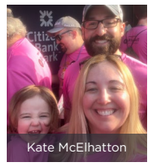

Megan Thomas


Hailey Schmidt

"Because I want to improve the quality of our lives and ecosystems for generations to come."

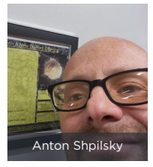
-Margo Carr

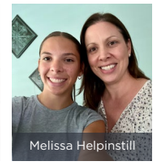

Margo Carr


Kate McElhatton


Elizabeth Cornish-Cunningham

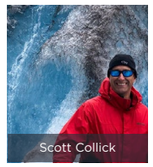

Michael Dubnansky

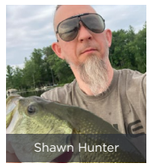

Anton Shpilsky


Melissa Helpinstill

"Susatinability is maximizing our handprint while minimizing our footprint and is a responsible investment in our future."

-Scott Collick


Scott Collick

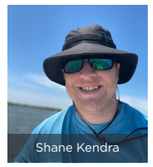

Shawn Hunter

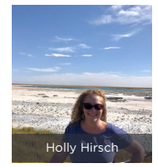

Mark Hill


Keith Pollack

"Incorporating sustainability into our innovation solutions & products for our key markets is critical to doing our part to protect the environment for the short-term & long-term."

-Shane Kendra


Shane Kendra


Holly Hirsch

THOUGHT LEADERSHIP **CENTRAL**

At Thought Leadership Central, we strive to deliver expert insights, trailblazing ideas, and dynamic strategies that tackle the most complex challenges facing the industry today. Our platform serves as a hub for thought leaders and industry professionals from different sectors, all united by a passion for innovation and a drive for excellence. With a forward-thinking approach and an unwavering commitment to sustainability, Thought Leadership Central is dedicated to delivering content that inspires, informs, and empowers. Expect to find thought-provoking content that addresses current challenges within the built environment such as decarbonization, circularity, and green chemistry solutions application. Join us on this exciting journey towards innovation and thought leadership – let's shape the future, together.

YouTube Podcast ▶

Press Releases ▶

LinkedIn ▶

Constructed Futures: A Culture of Sustainability ▶

View Our Newsroom ▶

Connect with Shawn ▶

Connect with Shelter ▶

Connect with Tim ▶

DISCLAIMERS

Cautionary Statement

This communication contains “forward-looking statements” within the meaning of the federal securities laws, including Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. In this context, forward-looking statements often address expected future business and financial performance and financial condition, and often contain words such as “expect,” “anticipate,” “intend,” “plan,” “believe,” “seek,” “see,” “will,” “would,” “target,” “stabilization,” “confident,” “preliminary,” “initial,” ”drive,” “innovate” and similar expressions and variations or negatives of these words.

Forward-looking statements address matters that are, to varying degrees, uncertain and subject to risks, uncertainties, and assumptions, many of which that are beyond DuPont’s control, that could cause actual results to differ materially from those expressed in any forward-looking statements. Forward-looking statements are not representations or warranties or guarantees of future results.

Forward-looking statements include statements which relate to the purpose, ambitions, commitments, targets, plans, objectives, and results of DuPont’s sustainability strategy, including its activities related to substances of concern. Forward-looking statements include statements related to the standards and measurement of progress against the company’s sustainability goals, including metrics, data and other information, which are based on estimates and assumptions believed to be reasonable at the time. The actual conduct of the company’s activities and results thereof, including the development, implementation, achievement or continuation of any goal, program, policy or initiative discussed or expected in connection with DuPont’s sustainability strategy may differ materially from the statements made herein. The use of the word “material” for the purposes of statements regarding our sustainability strategy and goals should not be read as equating to any use of the word in the company’s other disclosures or filings with the U.S. Securities and Exchange Commission.

On May 22, 204, DuPont announced a plan to separate the company into three distinct, publicly traded companies. Under the plan, DuPont would execute the proposed separations of its Electronics and Water businesses in a tax-free manner to its shareholders leaving DuPont to continue as a diversified industrial company following completion of the separations. DuPont expects to complete the separations within 18 to 24 months of the announcement date. The separation transactions will not require a shareholder vote and are subject to satisfaction of customary conditions, including final approval by DuPont’s Board of Directors, receipt of tax opinion from counsel, the filing and effectiveness of Form 10 registration statements with the U.S. Securities and Exchange Commission, applicable regulatory approvals and satisfactory completion of financing.

See DuPont’s most recent annual report and subsequent current and periodic reports filed with the U.S. Securities and Exchange Commission for further description of risk factors that could impact the expectations or estimates implied by the Company’s forward-looking statements, including (i) the ability to effect the separation transactions described above, and meet expectations regarding the timing, completion, accounting and tax treatments, and benefits related to the separation transactions and other portfolio changes; (ii) risks and costs related to indemnification of legacy liabilities; (iii) risks and uncertainties related to operational and supply chain impacts or disruptions, including ability to offset increased costs, obtain raw materials, and meet customer needs, and (iv) other risks to DuPont’s business and operations. Unlisted factors may also present significant additional obstacles to the realization of forward-looking statements. Consequences of material differences in results as compared with those anticipated in the forward-looking statements could include, among other things, business or supply chain disruption, operational problems, financial loss, legal liability to third parties, loss of key customers, reputational harm and similar risks, any of which could have a material adverse effect on DuPont’s consolidated financial condition, results of operations, credit rating or liquidity. You should not place undue reliance on forward-looking statements, which speak only as of the date they are made. DuPont assumes no obligation to publicly provide revisions or updates to any forward-looking statements whether as a result of new information, future developments or otherwise, should circumstances change, except as otherwise required by securities and other applicable laws.