

CONNECTING
OUR INDUSTRY...



...TO UNLEASH
OUR POTENTIAL

+ VANTAGE
VINYL™

2021 PROGRESS REPORT

OUR PURPOSE

Connecting the vinyl value chain
to continuously improve the
sustainability of the industry.

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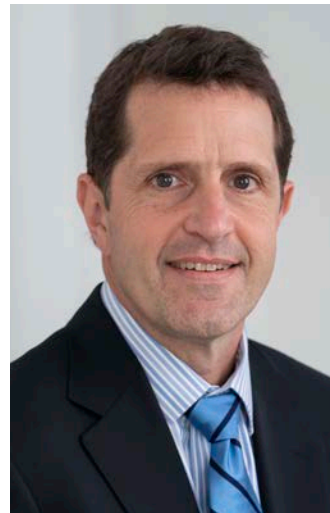
MESSAGE FROM LEADERSHIP

The +Vantage Vinyl® program continued to evolve and make significant progress in 2021. Seventeen companies across the vinyl supply chain committed to the program and were verified by Green Circle, LLC. Of these seventeen companies, all met the minimum requirement for at least 50% compliance with the program's Guiding Principles and 88% complied with 90% or more.

Participation reflected a broad cross-section across the supply chain, including five resin producers, four compounders, three additive suppliers, and five end-product manufacturers. These companies are sustainability leaders, setting an example for sustainable operations in the vinyl industry. Through broad participation across the industry, end-product manufacturers can now demonstrate supply chain sustainability to their consumer customers, providing them with valuable information for their purchasing decisions.

We are proud of the commitment to continuous improvement in sustainability within the vinyl industry as viewed through the transparent presentation of +Vantage Vinyl verification results. We will continue to improve and update the +Vantage Vinyl program, raising the bar for program compliance and encouraging innovation that enables the industry to accelerate progress in sustainability.

Thank you to our members for your continued commitment to advancing sustainability. We look forward to another successful year of collaboration.



JAY THOMAS

Executive Director,
Vinyl Sustainability Council



DAVID ADENUGA

Chairman of the Board,
Vinyl Sustainability Council

CONNECTING THE VALUE CHAIN

The Vinyl Sustainability Council (VSC) was formed in 2016 to bring together the entire industry's supply chain for the purpose of advancing sustainability.

Today, membership includes 59 organizations from throughout the supply chain and representative vinyl industry trade associations. Through its holistic and collaborative approach, the VSC is able to make important advancements in sustainability that would otherwise be difficult to accomplish alone.

Because the +Vantage Vinyl® program is open to any company in the supply chain, it is now possible to verify supply chain sustainability from vinyl resin production, through to end product manufacturer.

The VSC Gold Level Sponsor companies featured on the following pages contributed additional funds to the VSC communications outreach program and to this report so you can read in their own words how they are making a difference by working to enhance sustainability in their own businesses.



RESIN SUPPLIERS

Companies that make vinyl polymer



ADDITIVE SUPPLIERS

Companies that make chemicals that are added to vinyl polymer to improve processing or performance



MATERIAL COMPOUNDERS

Companies that combine vinyl polymer with additives to create specific vinyl formulations



END-PRODUCT MANUFACTURERS

Companies that make products from vinyl formulations



RECYCLERS

Companies that process production scrap and end-of-life vinyl for reintroduction into product production



CONTRIBUTING TO A SUSTAINABLE FUTURE

The +Vantage Vinyl® sustainability initiative drives improvements by jointly identifying the most relevant potential performance improvement areas for companies operating within the vinyl supply chain and having company commitments verified by an independent third-party program.

We report industry progress across five guiding principles of sustainable performance – environmental stewardship, social diligence, economic soundness, collaboration, and open communications.



Company verifications are performed by **GreenCircle Certified, LLC**, an independent third-party auditor that, since 2009, has issued over 2,000 sustainability certifications. Achieving +Vantage Vinyl verification assures the public that a company is meeting the requirements of the program.

INDUSTRY LEADERS

>>> +VANTAGE VINYL-VERIFIED COMPANIES





VSC GOLD LEVEL
SPONSOR

RAISING THE ROOF, PUTTING SUSTAINABILITY ON TOP

>>> SIKA SARNAFIL'S SUSTAINABILITY JOURNEY

A Vantage Vinyl®-verified company through the Vinyl Sustainability Council, Sika Sarnafil's commitment to sustainability is evident across its enterprise – in its product innovations, and in its manufacturing operations.

A worldwide leader in thermoplastic, single-ply commercial roofing, Sika Sarnafil was a pioneer in building energy and carbon savings with the introduction of the EnergySmart Roof® in the 1990s. This highly reflective white roofing material reflects the sun's energy, reducing the electricity required for building cooling and the building's contribution to local "heat islands." When the roof reaches the end of its useful life, Sika Sarnafil has a recycling program that can take back the material and recycle it into new roofing membrane, a circular solution to construction waste. These innovations led to Sika Sarnafil providing the industry with the first NSF/ANSI 347 Platinum certified roofing product. This certification identifies products that meet strict environmental attributes and impacts across the entire product life cycle.

To meet the demand for transparent product information, the company published Environmental Product Declarations (EPDs) to deliver detailed environmental impact data. This traces the product's journey from raw material extraction to production, delivery to a job site, installation, maintenance, and end of service life. This level of detail empowers key construction stakeholders to make more informed decisions about the environmental impact of the products they specify for a commercial roofing project.

"Sustainability has been a cornerstone of our operations," said Bill Bellico, vice president of marketing and inside sales at Sika USA. "There has always been a belief in investing properly as a sustainable company and in offering sustainable products to the marketplace."

To drive energy efficiency and reduce its carbon footprint as a manufacturer, Sika Sarnafil maintains a large solar park on the main distribution hub of its headquarters, enabling the operation to offset the facility's energy demand through solar energy. The company also partners with an off-site solar energy provider to provide green energy at its production facility.

Photo courtesy of Sika Sarnafil



Photo courtesy of Vestolit

vestolit
An Orbia business.

**VSC GOLD LEVEL
SPONSOR**

VESTOLIT'S COMMITMENT TO THRIVING COMMUNITIES

**>>> ISO CERTIFICATIONS, ENGAGEMENT
MAKE THE DIFFERENCE**

Vestolit, part of the Polymer Solutions Group within Orbia (formerly Mexichem), drives its sustainability initiatives in close collaboration with Orbia's corporate sustainability team. The company mantra: Advance life around the world.

Vestolit's U.S. manufacturing sites in Pedricktown, NJ and Henry, IL have been certified to International Organization for Standardization (ISO) 14001 Environmental Management Systems and ISO 45001 Occupational Health and Safety Management Systems. The rigorous certification process requires preparation and demonstration of effective environmental, health, and safety management systems that are audited by a third party. Additionally, both manufacturing plants and Vestolit's pilot plant (Avon Lake, OH) were recently recertified to ISO 9001 Quality Management Systems.

A +Vantage Vinyl®-verified member, Vestolit also contributes to strengthening communities through collaboration and partnership. Over the past decade, Vestolit's Pedricktown, New Jersey, plant has hosted local schoolteachers as part of the annual chamber of commerce's Teachers Summer Institute Program. During the visit, teachers learn more about how the facility operates and the various types of positions offered. Participating teachers leave with a better appreciation of how clean, efficient, and safe a chemical plant can be and a clearer understanding of the job opportunities at Vestolit.

The Pedricktown plant also hosts one of the Gloucester and Salem County Community Advisory Panel (GASCAP) quarterly meetings. GASCAP celebrated its 25th year anniversary in April 2022, and Vestolit has participated in the program since its inception. The purpose of the meetings is to maintain communication between industry and the community on key regional issues. Vestolit provides updates on safety/environmental performance, general operational information, community activities, and staffing changes.

The ExxonMobil logo, featuring the word "Exxon" in red and "Mobil" in blue, with a red and blue chevron symbol to the right.

VSC GOLD LEVEL
SPONSOR

Exxtend™
Recreated to create

Photo courtesy of ExxonMobil

EXTENDING THE RANGE OF PLASTICS THAT CAN BE RECYCLED

>>> EXXONMOBIL'S EXXTEND™ TECHNOLOGY
FOR ADVANCED RECYCLING

Today, society is trying to create a more circular world. To help achieve that, customers are increasingly eager to access certified circular polymers to help them reach their recycling or other sustainability goals.

ExxonMobil Product Solutions Company is a division of ExxonMobil Corporation and is helping its customers meet their sustainability commitments with its advanced recycling technology.

ExxonMobil's Exxtend™ technology can help widen the range of plastic materials that can be recycled and helps maintain the performance of material over multiple recycling loops. Product quality and performance of the certified circular polymers are identical to polymers made from virgin raw materials, so customers can be confident when using them in existing applications.

ExxonMobil has obtained certifications through the International Sustainability and Carbon Certification PLUS (ISCC PLUS) process for several of its facilities. ISCC PLUS is widely recognized by industry as an effective system to certify products that result from advanced recycling using mass balance attribution of plastic waste. As of June 2022, the company has processed more than 5,000 metric tons of plastic waste at its operation in Baytown, TX. Upon completion of the large-scale facility, it will be among North America's largest advanced plastic waste recycling facilities, with an initial planned capacity to recycle 30,000 metric tons of plastic waste per year.

ExxonMobil Product Solutions Company first achieved +Vantage Vinyl® verification through the Vinyl Sustainability Council in 2020.

THE FIRST LINK OF THE CHAIN

>>> SHINING THE SPOTLIGHT ON VANTAGE VINYL®-VERIFIED RESIN SUPPLIERS



Formosa Plastics is committed to green energy initiatives and is converting its entire passenger vehicle fleet to electric and hybrid by 2026. Formosa Plastics was one of the first chemical companies in south Texas to receive delivery of Ford F-150® Lightning™ trucks in August of 2022.

The company is installing charging stations at its facilities in Lolita, TX, Point Comfort, TX and Baton Rouge, LA for use by employees and business partners. Electric vehicle charging stations have been available for use by employees at Formosa's headquarters in Livingston, NJ since 2019. Formosa has seen more than a 160 percent increase in charging station usage in New Jersey since the charging stations were installed.

Photo courtesy of Formosa Plastics



Oxy has for many years used cogeneration, energy efficiency improvements, and focused integration of renewable energy to advance its strategy of sustaining both lower costs and lower emissions.

Power consumption is the largest driver of Oxy's operating costs. Oxy applies several strategies to improve energy efficiency and reduce emissions while sustaining its production.

As a result of hands-on, employee-driven innovations, they have invested in efficiency improvements, process changes, and use of lower-carbon power and feedstocks. Guided by the principles of the American Chemistry Council's Responsible Care® Energy Efficiency program, OxyChem plants have successfully implemented innovative energy efficiency enhancements. In addition, OxyChem partnered with the U.S. Department of Energy's Better Plants® program to apply best practices in energy management to help OxyChem achieve its 2025 sustainability goals and its 2040 net-zero goal.

Another example of Oxy's energy innovation is the production and use of hydrogen as a non-carbon-based fuel source in OxyChem's operations to reduce energy consumption and lower carbon emissions. In the Texas electricity market, Oxy is one of the leading providers of Responsive Reserve Service, which helps improve reliability of the electric grid. By offering to reduce power consumption at specific facilities, when called upon by the grid operator, Oxy provides the Texas electrical grid with a demand response tool that helps maintain grid reliability for industrial, commercial, and residential consumers.

Photo courtesy of Oxy



Spread across 7,000 acres in the heartland of Louisiana and Texas, **Shintech** is the world's largest manufacturer of PVC. Yet, it lives by a much simpler mission: to Live Local, Hire Local and Buy Local.

In fact, one of the major factors behind the company's success is its loyal and tenured workforce and support from its close-knit communities. The data speaks to it, as the workforce across its three plants has grown from 241 in the year 2000 to 741 at the end of 2020.

Shintech's skills training program is a win-win for all. For the participants, the program provides valuable skills and a clear career path that they can use to find or change jobs, get promoted, or consider whole new careers. It gives the company the advantage of being able to observe potential talent as well as train those who do want to work for Shintech.

As Danny Cedotal, Vice President of Manufacturing at Shintech says, "We are a part of our communities' bedrock. We live here, we work here. And we're all invested in each other's success."

Photo courtesy of Shintech



In December 2021, **Westlake Pipe & Fittings** (formerly NAPCO) – the second largest PVC pipe manufacturer in North

America – announced the launch of molecular-oriented PVC (PVCO) pipe, which has a lower carbon footprint than other water main materials. The PVC molecules in PVCO are stretched and reorganized during manufacturing to increase the strength of the material. The orientation realigns the molecules in the extrusion process, which produces a PVC pipe that can withstand greater stresses from internal pressure and increased flow capacity, while weighing less and performing better than comparable products.

The lighter weight provides secondary benefits when transporting pipes. By reducing the weight of the haulage, vehicles can use less fuel, reducing carbon emissions. All these factors combine to make PVCO the ideal choice for new construction and for use in replacing aging metal pipes – especially those that may be lead lined – across agriculture and water system applications.

Photo courtesy of Westlake

2021 YEAR IN REVIEW

BY THE NUMBERS

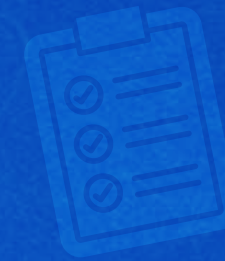
17 +VANTAGE VINYL®-VERIFIED
COMPANIES
(as of May 2022)



07 FIRST TIME
+VANTAGE VINYL-VERIFIED
COMPANIES



100%



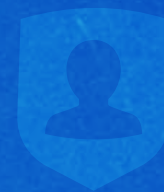
OF PROGRAM PARTICIPANTS MET THE 50% COMPLIANCE
MINIMUM FOR +VANTAGE VINYL VERIFICATION

88%



AVERAGE COMPLIANCE
RATE OF +VANTAGE VINYL-VERIFIED
COMPANIES

93%

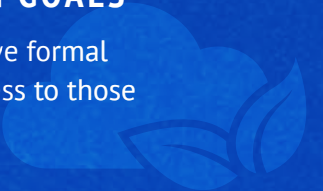


AVERAGE COMPLIANCE WITHIN
THE SOCIAL DILIGENCE PILLAR

71%

OF VERIFIED COMPANIES HAVE
CARBON REDUCTION GOALS

and of that, almost half have formal
targets and disclose progress to those
sustainability goals

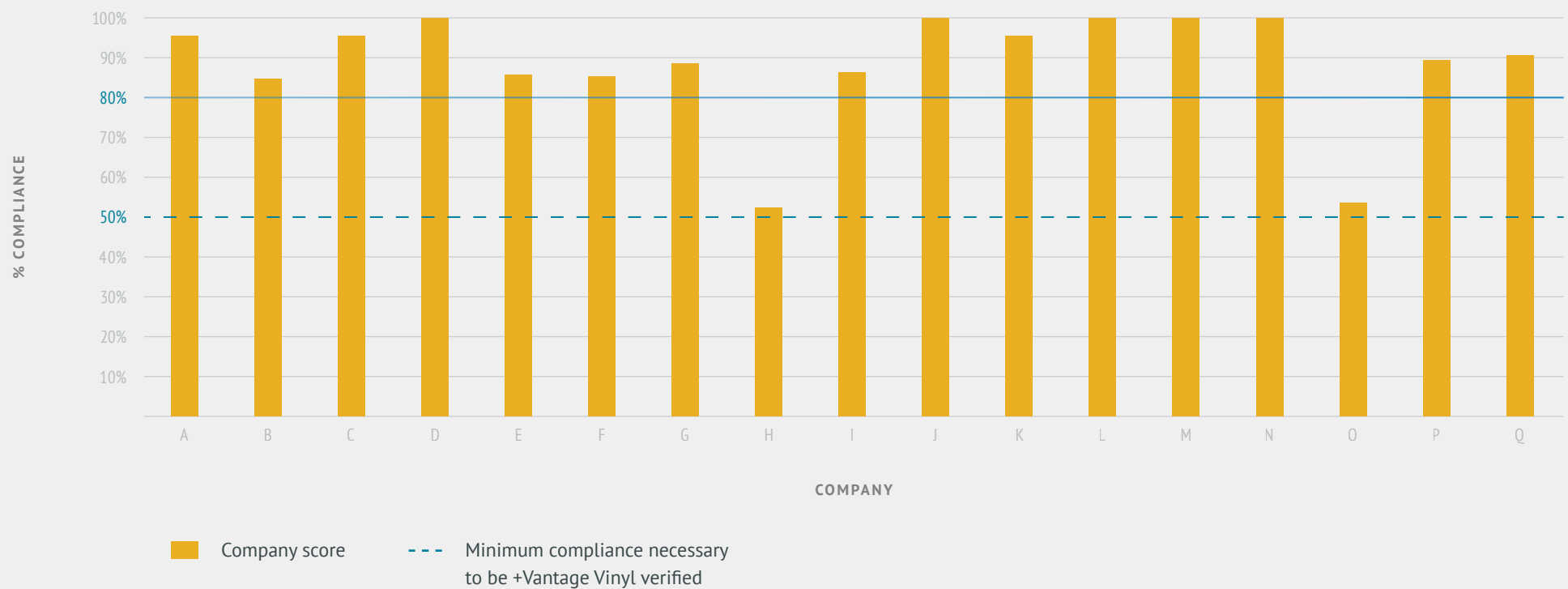




COMPANY COMPLIANCE

The +Vantage Vinyl® program is designed to recognize continuous improvements that will occur periodically in different areas and to different degrees by participating companies. A commitment to continuous improvement allows verified companies to seize the available opportunities, and never assume that today's performance is the best achievable. Companies achieving compliance with the Guiding Principles have provided documentation to support their achievement.

All +Vantage Vinyl-verified companies were above 50% compliance with the program's Guiding Principles, and 15 of the companies were above 80% compliance. Ten of the companies recommitted to the verification process and seven companies verified for the first time.



PILLAR COMPLIANCE

The +Vantage Vinyl® program’s Guiding Principles set the direction and parameters for what companies strive to achieve over time.

The Guiding Principles are organized within **five pillars** that serve as the guideposts for companies on their journey of continuous improvement.



ENVIRONMENTAL
STEWARDSHIP



SOCIAL
DILIGENCE



ECONOMIC
SOUNDNESS



COLLABORATION



OPEN
COMMUNICATIONS

The relevance of each guiding principle is dependent on a company’s position in the supply chain. If a company’s participation in a specific guiding principle is not relevant to its operations, then the guiding principle is noted as “not applicable.”

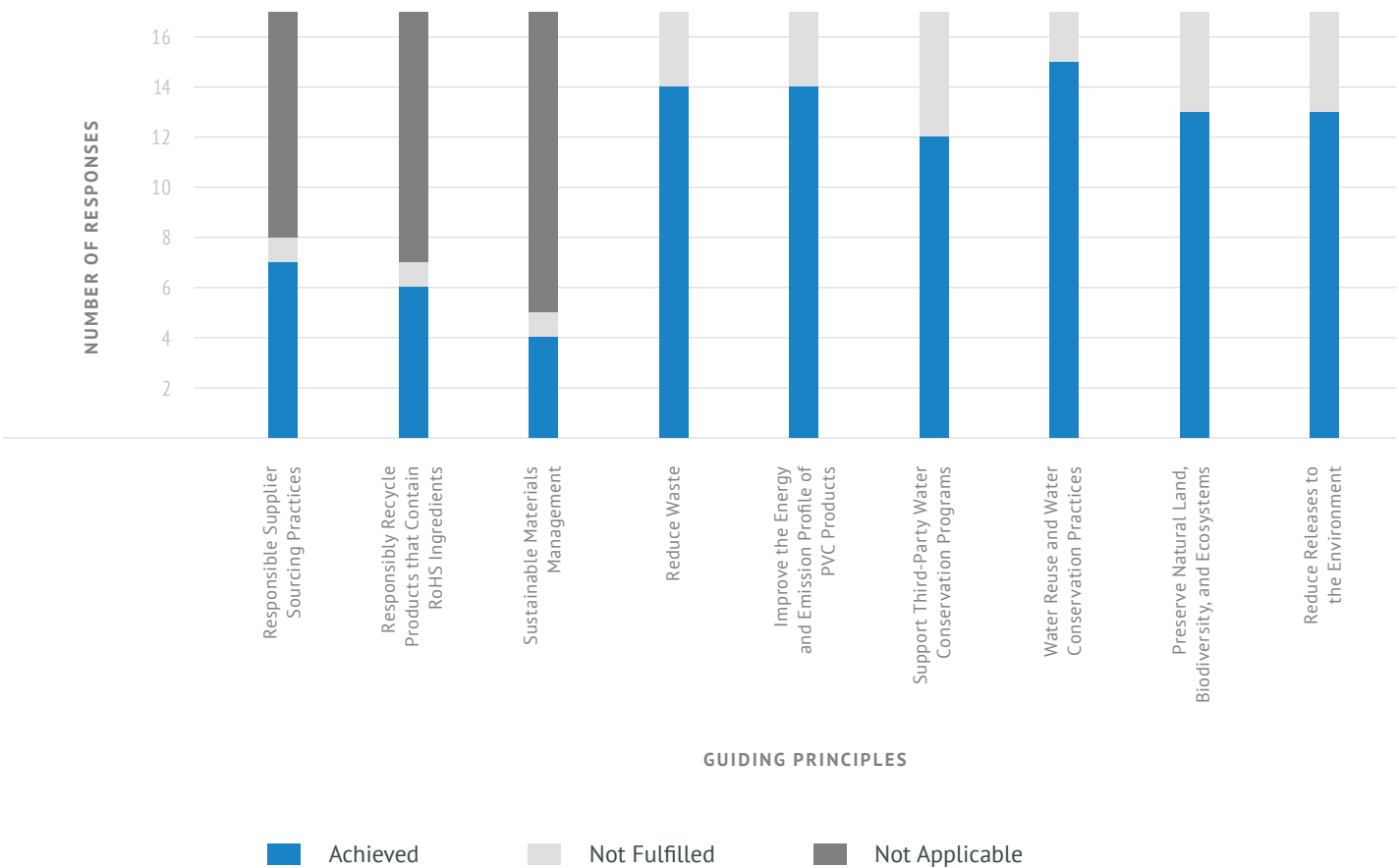
Additionally, where a company’s participation is noted as “not fulfilled,” this indicates that a company did not provide documentation to support the achievement of that specific guiding principle.

Photo courtesy of The Azek Company



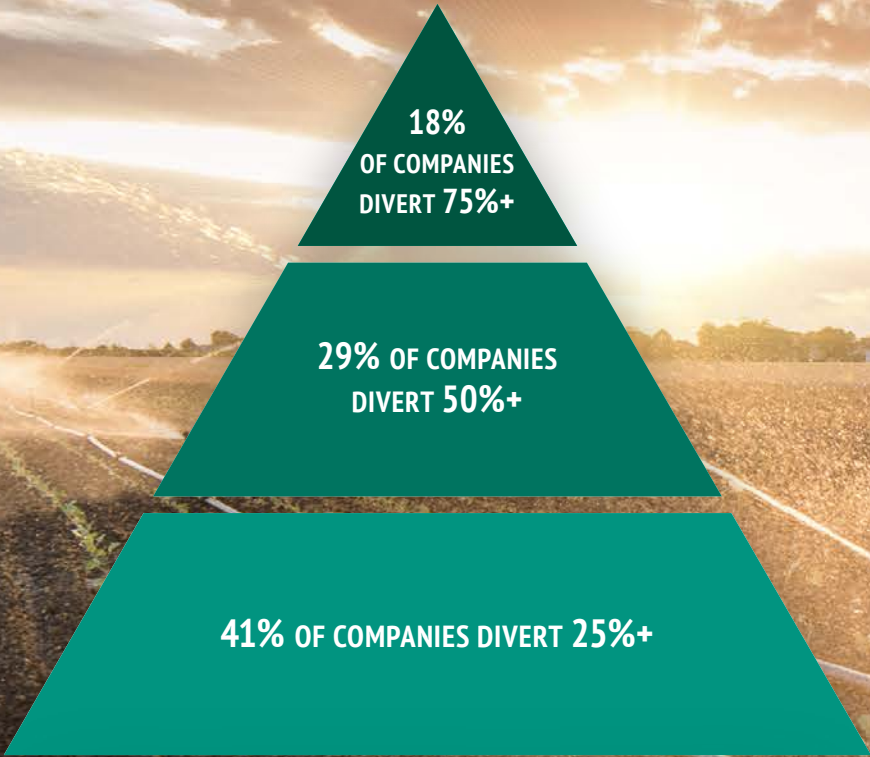
Environmental Stewardship

We strive to protect our natural environment, biodiversity, and ecosystems. On average 69% of the +Vantage Vinyl®-verified companies complied with all the principles in this pillar.



Achieved: A company provided documentation to support the achievement of a particular guiding principle.
Not Fulfilled: A company did not provide documentation to support the achievement of a particular guiding principle.
Not Applicable: A particular guiding principle is not relevant to a company's manufacturing process.

Waste Diversion Rate from Landfill

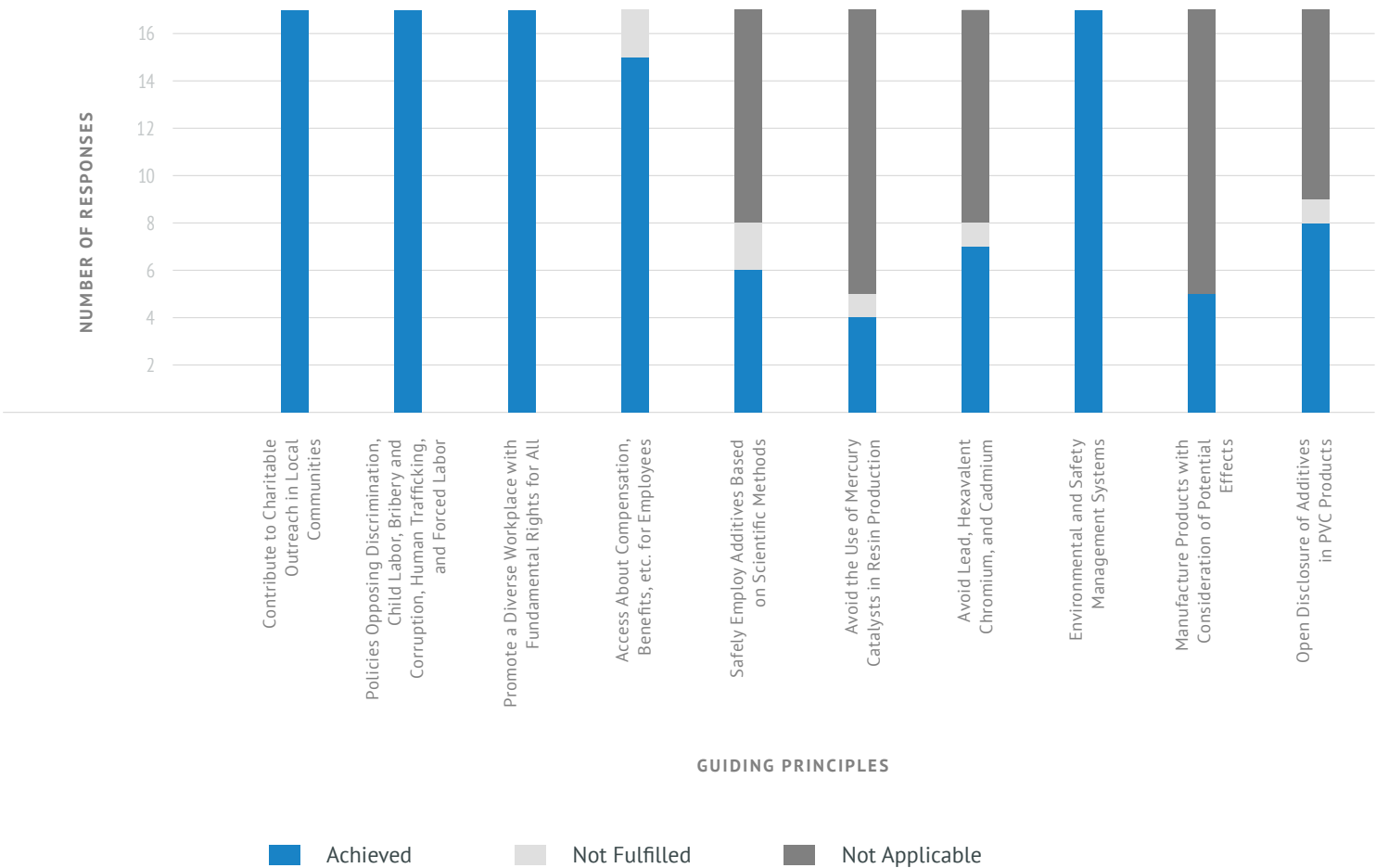


Waste Diversion is defined as the prevention of waste sent to landfill through recycling, reuse, composting, and other means as defined by GreenCircle's acceptable means of diversion. +Vantage Vinyl-verified companies are minimizing waste that would otherwise be landfilled.



Social Diligence

We aim to manufacture safe and user-friendly products while taking care of our employees and communities. On average, 93% of the +Vantage Vinyl®-verified companies complied with the principles within this pillar.

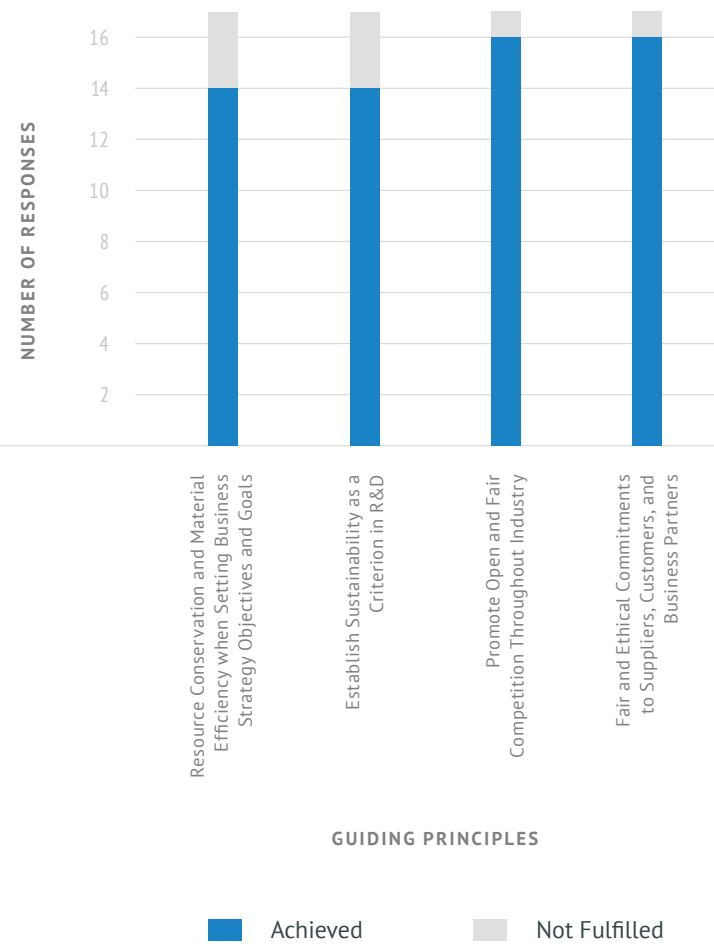


Achieved: A company provided documentation to support the achievement of a particular guiding principle.
Not Fulfilled: A company did not provide documentation to support the achievement of a particular guiding principle.
Not Applicable: A particular guiding principle is not relevant to a company's manufacturing process.



Economic Soundness

We promote open and fair competition, support sustainability education and research, and integrate resource conservation and efficiency into business planning. No less than 82% compliance was achieved for each guiding principle in this pillar.



Achieved: A company provided documentation to support the achievement of a particular guiding principle.

Not Fulfilled: A company did not provide documentation to support the achievement of a particular guiding principle.

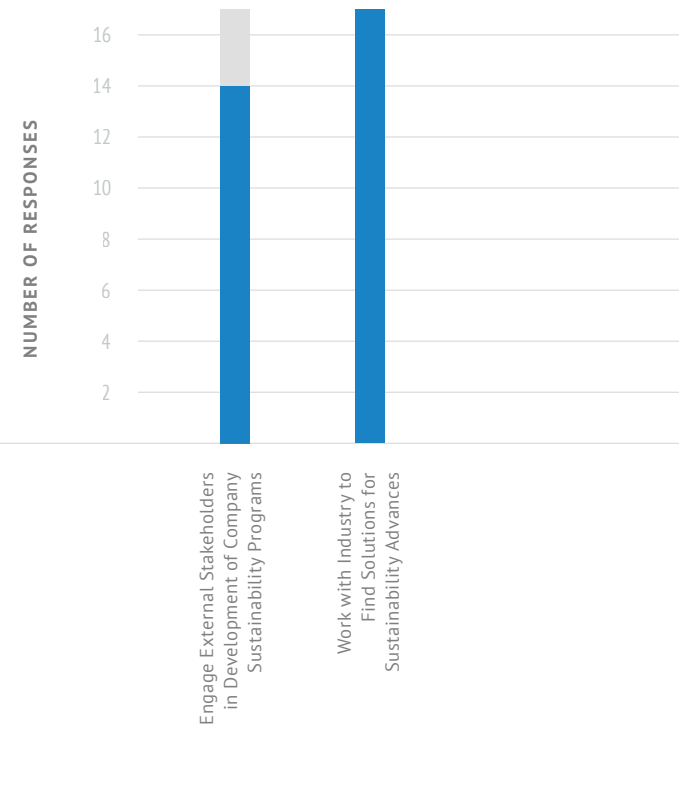


Photo courtesy of Cornerstone Building Brands



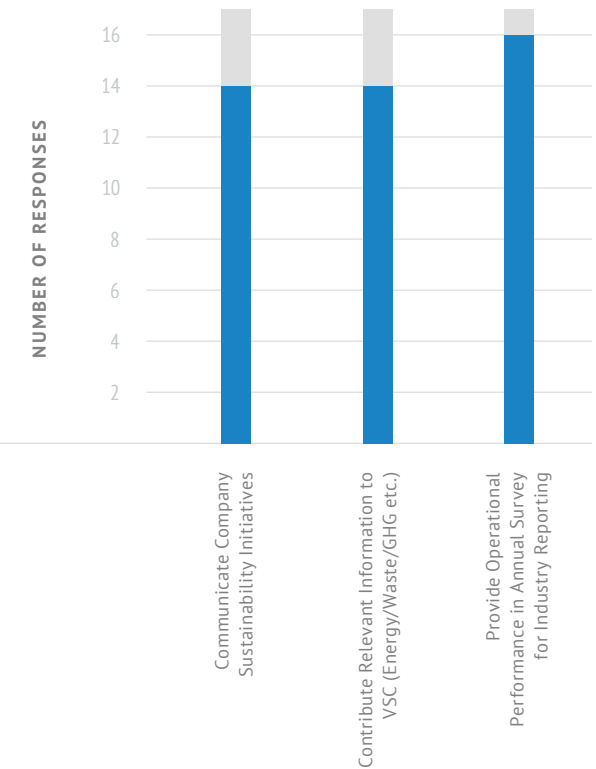
Collaboration

We work within the industry to find solutions and with external stakeholders to ensure we are on the right track. On average 91% of the +Vantage Vinyl®-verified companies complied with all the guiding principles in this pillar. All the participants work within the industry to identify sustainability initiatives and almost all are communicating their company sustainability initiatives.



Open Communications

We value transparency and use data to communicate our progress when promoting the +Vantage Vinyl program. On average 94% of +Vantage Vinyl-verified companies complied with all the guiding principles in this pillar. Nearly all are providing documentation and data for sustainability reports.



GUIDING PRINCIPLES

■ Achieved ■ Not Fulfilled

Achieved: A company provided documentation to support the achievement of a particular guiding principle.

Not Fulfilled: A company did not provide documentation to support the achievement of a particular guiding principle.

CELEBRATING LEADERSHIP

INDUSTRY AWARDS

RECYCLING AWARD

The Vinyl Sustainability Council Recycling Award recognizes the efforts of recyclers and product manufacturers with operations in North America that find new solutions and/or markets for PVC end-of-life or scrap materials, increase use of recycled vinyl content in their products, and/or engage in partnerships with companies in take-back programs.

In 2021, the VSC recognized two companies that demonstrated their use of recycled materials as a core component of how they do business.



▲
*Michael Satz of Ronald Mark Associates (left),
Ned Monroe of the Vinyl Institute (right)*

>>> RONALD MARK ASSOCIATES MASS LOADED REPROCESSED PVC SHEET

Ronald Mark Associates (RMA) partnered with Norwich Plastics to develop a mass loaded vinyl reprocessed compound. The product incorporates laminated scrap PVC materials generated in the RMA operations, plus post-consumer materials from other industries. Working with Norwich Plastics, RMA was able to develop this new compound that is comprised of 50%-60% pre-consumer recycled content by weight. Since the inception of this compound, RMA and Norwich Plastics have successfully processed close to a million pounds.

>>> LAKELAND POLYMERS FLEX-TECH GAS HOSE RECYCLING PROGRAM

Lakeland Polymers, a plastic recycling company, takes pride in addressing and solving challenges for their customers. In February 2021, Lakeland Polymers partnered with Flex-Tech Hose of San Marcos, TX to find a solution for a PVC and copolyester waste issue. Lakeland developed a custom recycling process which allowed the incompatible materials in the scrap to be processed into a reusable form. Lakeland processes over 45,000 pounds per month of PVC scrap material from Flex-Tech in this program. So far, the partnership has diverted over 325,000 pounds of PVC from landfills, extending the life and sustainable use of vinyl.



DESIGN FOR REUSE AWARD

The Vinyl Sustainability Council's Design for Reuse Award recognizes vinyl products purposely designed for disassembly, recycling, or reuse at the product's end of life. In 2021, this inaugural award went to The AZEK Company.



▲
*Ned Monroe of the Vinyl Institute (left),
Ryan Hartz of The AZEK Company (right)*

>>> THE AZEK COMPANY'S TIMBERTECH AZEK® LANDMARK COLLECTION™

The AZEK Company is the industry-leading designer and manufacturer of beautiful, low maintenance, and environmentally sustainable outdoor living products, including the TimberTech AZEK Landmark Collection decking. With a reclaimed wood aesthetic, the Landmark Collection launched in February 2021 and is made entirely from synthetic material, approximately 50% of which is recycled PVC. Through research and development and controlled product chemistry, the product was formulated specifically to ensure post-use recyclability.

SOCIAL IMPACT AWARD

The Vinyl Sustainability Council's Social Impact Award recognizes the efforts of a VSC member that has demonstrated a strong commitment to community well-being and longevity. This annual award acknowledges an outstanding project or program that addresses a social concern using a company's resources to have a positive impact. In 2021, this award went to OxyChem.

>>> A CLEAR VISION FOR CLEAN WATER: EDUCATING COMMUNITIES THROUGH THE GLOBAL WATER CENTER



▲
*Aaron Jones (left), Sean Stephan (center),
and Grant Evans (right) of OxyChem*

OxyChem, a global leader in manufacturing chemicals to produce plastics, pharmaceuticals, and water treatment chemicals, understands that water quality and cleanliness are the root of their business. The company's vision for clean water focuses on reducing negative impacts on watersheds and raising the water quality standard in various communities. Through their support of the Global Water Center and its partners, OxyChem is focused on helping solve the global water crisis and reduce the number of people who lack access to clean water from two billion to zero.

When providing safe drinking water for communities, many companies found themselves wanting to help. The Global Water Center allowed OxyChem and other partnerships to combine interactive exhibits, technology, and innovative products to help bring more attention to water sanitation issues. OxyChem donated over 160,000 pounds of ACL® products for water sanitation and \$250,000 was allocated toward educational materials and

exhibit creation which focused on water education. Additionally, OxyChem employees have contributed 800 hours of their time to the Global Water Center's work.

All this work has attracted many volunteers to come and help mitigate the global water crisis. They have acquired 90 new members and have reached more than 2,700 people in communities across the United States.

MAKING PROGRESS IN THREE IMPACT CATEGORIES

The VSC is focused on making industry advancements in three impact categories identified in a 2017 industry-wide materiality assessment, as follows:



Resource Efficiency addresses the priority areas of end-of-life disposition, landfill avoidance, and recycling.



Emissions addresses the priority areas of emissions to air, water, and soil, emphasizing climate and biodiversity impacts.



Health & Safety addresses the priority areas of community health and safety and user health and safety.



RESOURCE EFFICIENCY

The vinyl industry is committed to the responsible use of natural resources. We are extending the use of these materials through reusing, repurposing, recycling, and recovering the value locked inside vinyl materials at the end of their first useful life. Most vinyl products, like vinyl siding or PVC pipes, are very durable and stay in use for decades. Vinyl products no longer in use can be recycled to reduce the carbon intensity of the next products in which they are used, and the vinyl industry is working on a number of exciting initiatives to expand recycling opportunities.

In 2020, the vinyl industry recycled more than 1.1 billion pounds of material in the U.S. and Canada. This total includes 142 million pounds of post-consumer (non-packaging) vinyl materials. Through the Vinyl Sustainability Council's sustainability initiatives, we will grow our annual post-consumer recycling by at least 15 million pounds by 2025.

The vinyl industry supports recycling as demonstrated by the participation of the Vinyl Institute (VI) or our member companies with the REMADE Institute, the Alliance to End Plastic Waste, and the EPA America Recycles Day. Since 2015, we are convening the entire vinyl value chain and introducing recyclers to sources of vinyl at the end of its life to companies seeking to increase recycled vinyl content in their products. Through our pilot-to-program recycling strategy, we are proudly creating scalable and sustainable approaches to growing the volume of post-consumer recycled material.

The Vinyl Industry Recycling Roadmap

The vinyl industry is committed to the responsible use of natural resources. We are reusing, repurposing, recycling, and recovering the value locked inside vinyl materials at the end of their first useful life. We are proudly facilitating scalable approaches to growing the volume of post-consumer recycled materials in a variety of end-use applications as part of this commitment.





EMISSIONS

Embodied carbon is the carbon footprint of a material during its life cycle. It encompasses the mining, harvesting, processing, manufacturing, transportation, and installation of the end-product. Disposal of the material at end of life is also often considered in embodied carbon analyses. Reducing embodied carbon is becoming a major opportunity for material suppliers and product manufacturers to have an impact on climate health.

Over the years, the vinyl industry has developed life cycle analyses (LCA) and environmental product declarations (EPDs). To make this information more accessible to the design community, the Emissions Task Force is working with Building Transparency, a nonprofit providing open-access data and tools for addressing carbon in the building industry, to develop product categories within the Embodied Carbon in Construction Calculator (EC3). This will help increase the transparency of the embodied carbon in vinyl materials.

The VSC completed this work with the Resilient Floor Covering Institute for resilient flooring and the Chemical Fabrics and Film Association for single-ply roofing in 2021. Work is underway with the Vinyl Siding Institute and the PVC Pipe Association to expand the database to include vinyl siding and PVC pipe.

Celebrating Continuous Improvement

The PVC manufacturer's trade association, Vinyl Institute (VI), proudly recognizes member facilities in the PVC, EDC/VCM, plasticizer production, additive production, and PVC and chlorinated PVC compounding categories that have achieved outstanding performance in Environmental Excellence and Environmental Honor.

The performance criteria for these awards are based on the U.S. Environmental Protection Agency's (EPA) National Emissions Standards for Hazardous Air Pollutants (NESHAP), other regulatory permit performance, and the EPA's Toxic Release Inventory (TRI) data for air and water during the previous calendar year.

The Vinyl Institute recognized 12 member facilities in 2021 that had outstanding environmental performance for five or more consecutive years.



PVC Compounding Plant
Point Comfort, Texas
10 Consecutive Years of Performance

EDC-only Plant
Point Comfort, Texas
9 Consecutive Years of Performance



PVC Compounding Plant
Avon Lake, Ohio
7 Consecutive Years of Performance

PVC Compounding Plant
Pasadena, Texas
7 Consecutive Years of Performance

PVC Compounding Plant
Terre Haute, Indiana
7 Consecutive Years of Performance



CPVC Compounding Plant
Louisville, Kentucky
6 Consecutive Years of Performance



EDC-only Plant
Convent, Louisiana
9 Consecutive Years of Performance



PVC Compounding Plant
Fountain Inn, South Carolina
5 Consecutive Years of Performance



PVC Plant
Pedricktown, New Jersey
5 Consecutive Years of Performance



Plasticizer/Additive Manufacturing Plant
Aberdeen, Mississippi
8 Consecutive Years of Performance

PVC Compounding Plant
Madison, Mississippi
5 Consecutive Years of Performance

PVC Compounding Plant
Aberdeen, Mississippi
8 Consecutive Years of Performance

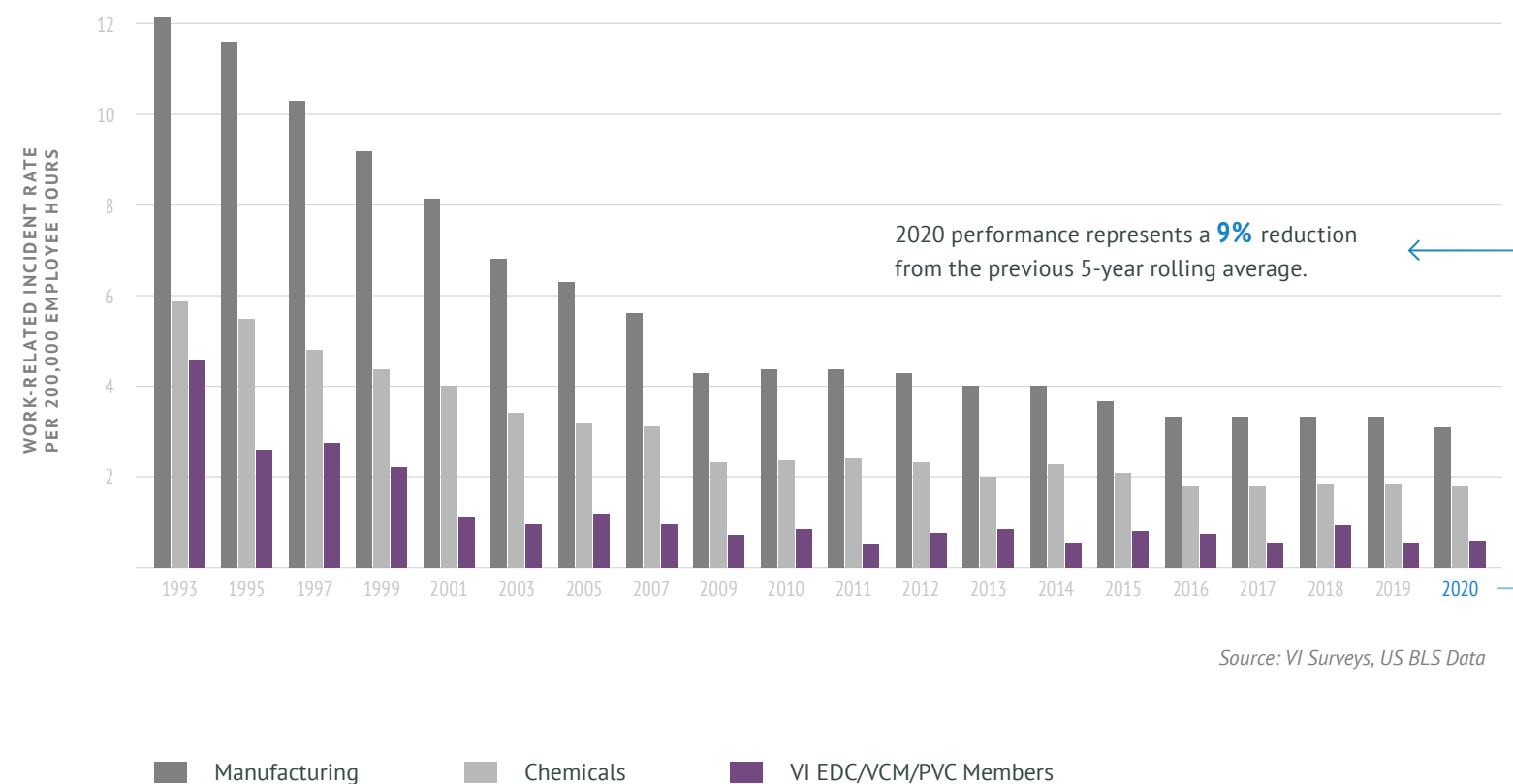


HEALTH & SAFETY

The Occupational Safety and Health Administration (OSHA) regulates workplace safety in the United States. Production facilities are mandated to report any recordable work-related accidents to OSHA on a regular basis. The vinyl industry resin and monomer producers' record on OSHA recordable injuries is best in class compared to both overall U.S. manufacturing and chemicals production.

In 2021, the Vinyl Institute recognized 31 production facilities for members that achieved zero OSHA recordable accidents. Nine facilities reported zero OSHA recordable accidents for over five years in a row.

U.S. Vinyl Producers' OSHA Recordable Rates





LOOKING AHEAD

The VSC was established to bring together the entire vinyl value chain to collaborate on advancing sustainability in the industry.

Through broad industry participation, the VSC has made important progress in each of the three impact categories and has grown both membership and company participation in the +Vantage Vinyl® verification program. As we look to the future, we are working on many important sustainability initiatives, including:

- + Exploring industry decarbonization opportunities
- + Developing industry tools that help companies to integrate sustainability thinking early in the product design phases
- + Launching new recycling pilot programs to grow post-consumer recycling
- + Creating consensus-based recycled material standards to increase confidence in the material supply
- + Convening industry stakeholders to accelerate collaboration and industry progress

In the future, we see an opportunity to increase transparency to stakeholders through verification of vinyl product supply chains within +Vantage Vinyl. This has the potential to allow consumers of vinyl products to confirm the sustainable operations of every company in the supply chain that had a hand in making the finished product – from resin supplier to the end-product manufacturer. This “farm-to-market” transparency is possible because of the broad range of supply chain participants verified under the +Vantage Vinyl program.


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