

WHEN YOU'RE  
FOCUSED ON  
STEWARDSHIP,  
INNOVATION  
COMES **NATURALLY.**

2013 SUSTAINABILITY REPORT

**Firestone**  
BUILDING PRODUCTS



Port Canaveral; Cape Canaveral, Florida;  
Custom Aluminum Plate System/Una-Clad™ S1000 ACM Panels

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**“THE CHALLENGES OF GLOBAL CLIMATE CHANGE AND THE NEED TO PROTECT OUR FRAGILE ENVIRONMENT HAVE LED US TO PRODUCE INDUSTRY-LEADING GREEN ROOFING SOLUTIONS THAT PROVIDE MEANINGFUL OPTIONS TO TODAY’S ECO-SAVVY CUSTOMERS.”**



More than 30 years ago, Firestone Building Products embraced the goal of providing commercial roofing systems and accessories that would lead the industry in quality, durability and value. We have achieved that goal, year after year, and are one of the market leaders in our industry.

Building upon that commitment, Firestone has expanded the business and now offers a comprehensive “Roots to Rooftops” portfolio of products for commercial building performance solutions. In 2013, we extended our global footprint with the addition of an EPDM manufacturing plant in Terrassa, Spain in order to better serve the needs of our global customers.

As a business, we find new opportunities and inspiration in many places. We choose to view every challenge – and every risk – as an opportunity for innovation. The challenges of global climate change

and the need to protect our fragile environment have led us to produce industry-leading green roofing solutions that provide meaningful options to today’s eco-savvy customers, who are making decisions based on energy efficiency above and beyond minimum code requirements.

Firestone is well-positioned to meet the challenges of the changing dynamics of our industry while maintaining our commitment to ecological conservation. From polyiso insulation to reflective membranes, our sustainable roofing products make it easier than ever for commercial spaces to incorporate products that meet and exceed current and evolving requirements for eco-conscious buildings. We manage our business and manufacturing operations responsibly to reduce our environmental footprint and protect the land on which our facilities operate.

In addition to offering outstanding

products for sustainable building envelope solutions, we value our teammates as one of our most precious resources. We focus on nurturing a culture of high performance, collaboration and equality as part of our goal to be a premier place to work. We support the communities where our facilities are located by volunteering time and contributing financial resources to deserving organizations and initiatives. We educate our teammates on the importance of good environmental stewardship, and encourage them to identify new and innovative ways to accomplish our environmental mission to ensure a healthy environment for current and future generations.

Ultimately, our customers are the core of our business. Every building solution we provide, every product we produce and every service we perform is designed with our customers as the driving force. Understanding our customers’ desires

to meet their own sustainability and environmental stewardship objectives helps us make focused business decisions for the future.

Firestone’s tradition of innovation has led us to become one of the premier single-source manufacturers and suppliers of the critical components needed for long-term building envelope solutions. As we look to the future, we remain committed to continuous improvement and producing leading-edge quality products, superior services, installation expertise and comprehensive warranties backed by the assets of a billion-dollar corporation. Nobody covers you better than Firestone Building Products.

Sincerely,

A handwritten signature in black ink that reads "Tim Dunn". The signature is fluid and cursive.

**Tim Dunn**  
President of Firestone Building Products

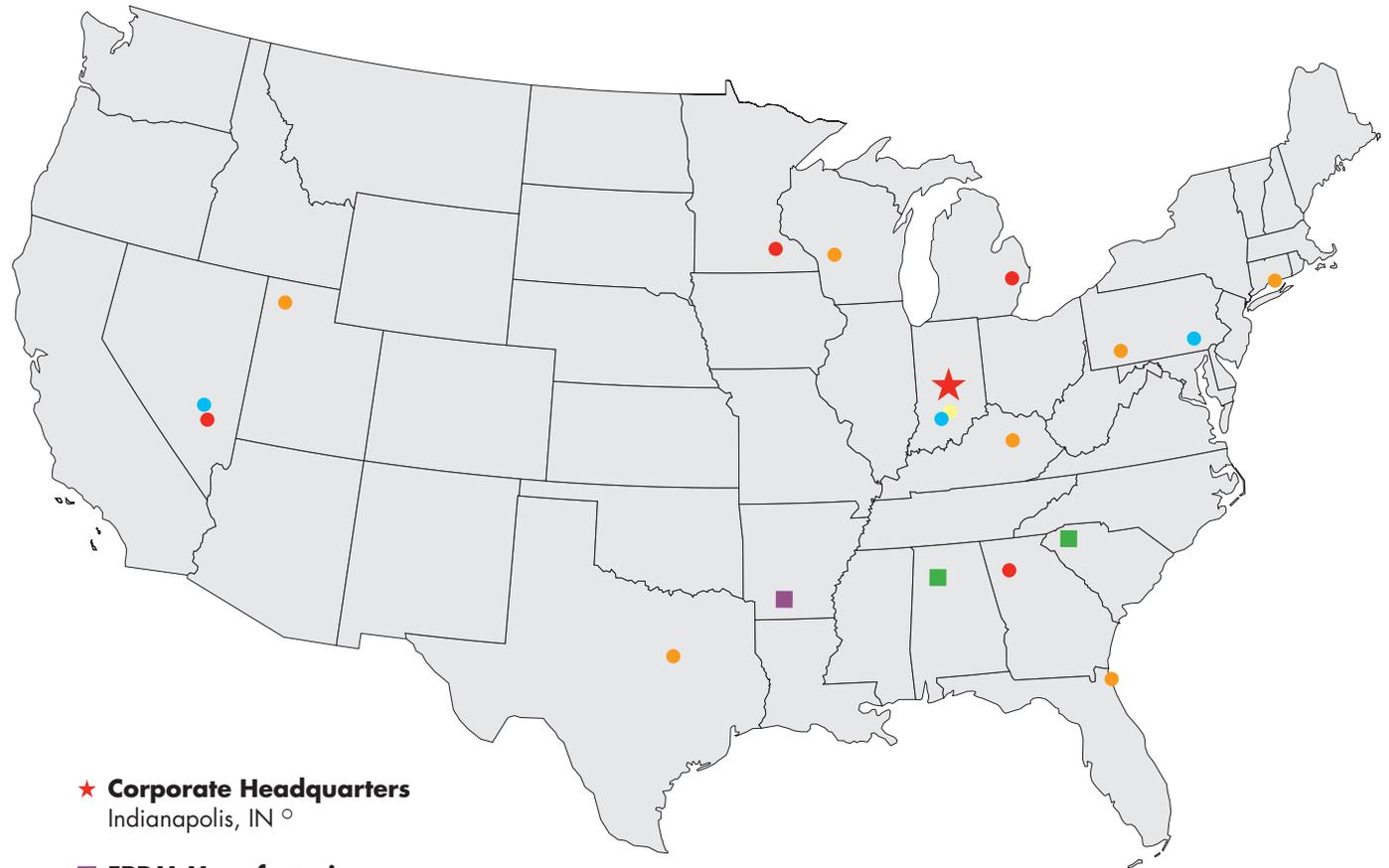


## COMPANY PROFILE

### WORLD-CLASS PRODUCTS AND SERVICES FOR GLOBAL CUSTOMERS

Firestone Building Products provides commercial building performance for the U.S. and global markets. Firestone Building Products has over 1,600 teammates working at numerous manufacturing facilities and sales offices throughout the United States and in Spain to serve our customers. We sell products in more than 70 countries, and we reported revenues of more than \$1 billion in 2013.

Bridgestone Americas Holding, Inc. is the parent company of Firestone Building Products Company, LLC. The Bridgestone Corporation, which is headquartered in Tokyo, is the parent company of Bridgestone Americas Holding, Inc. and Bridgestone Europe NV/SA. Together, the Bridgestone Group companies generated net sales of \$44.75 billion in 2013.



★ **Corporate Headquarters**  
Indianapolis, IN ◊

■ **EPDM Manufacturing**  
Prescott, AR ◊+  
Terrassa, Spain ◊

■ **Thermoplastic Manufacturing**  
Muscle Shoals, AL ◻  
Wellford, SC ◊+

● **Asphalt-based Manufacturing**  
Beech Grove, IN ◊+

● **Metal Manufacturing**  
Anoka, MN ◊+  
College Park, GA ◊+  
Las Vegas, NV ◊+  
Warren, MI ◊+

● **Distribution Centers/Warehouses**  
Las Vegas, NV ◊+  
Mt. Joy, PA ◊  
Plainfield, IN ◊

● **Polyiso Insulation Manufacturing**  
Bristol, CT ◻  
Corsicana, TX ◻  
DeForest, WI ◻  
Florence, KY ◻  
Jacksonville, FL ◻  
Salt Lake City, UT ◻  
Youngwood, PA ◻



◊ All Firestone locations are ISO 9001 Registered

+ Firestone ISO 14001 Registered Locations

◻ Firestone Self-Declared ISO14001 Conformance

## COMPANY HISTORY

### 1980 – 1985

In 1980, Firestone introduced RubberGard™ EPDM (ethylene propylene diene monomer), the benchmark product that launched the company's influential role in the commercial roofing industry. That same year, Firestone's first RubberGard EPDM roof was installed and warranted. Firestone opened its first RubberGard EPDM manufacturing plant in Prescott, Arkansas, in 1983.

### 1986 – 1990

With the introduction of its UltraPly™ membranes, Firestone entered the thermoplastic roofing market in 1986. The company's first installation of UltraPly occurred the same year in Indianapolis, Indiana. In 1988, Firestone broadened its product offerings to include modified bitumen roofing systems with the acquisition of Teltex/ICM (International Construction Materials). We also added pondliner and geomembrane products to our product portfolio. Firestone began manufacturing ISO 95+™ polyiso insulation with the acquisition of six insulation manufacturing plants from T.S. Industries in 1989.

### 1991 – 1995

To meet worldwide market demand for EPDM, Firestone added 45-mil, polyester-reinforced RubberGard

membrane to its product line in 1991. Revolutionizing Firestone's accessory product line, Firestone's QuickSeam™ Tape System was introduced in 1993.

### 1996 – 2000

In 1996, Firestone expanded its product line to include self-adhered base systems. Firestone introduced UltraPly™ TPO (thermoplastic polyolefin) in 1999. During this time period, Firestone discontinued its sale of the PVC (polyvinyl chloride) roofing membrane due to the uncertain human health issues associated with the product.

### 2001 – 2005

In 2002, Firestone opened its first TPO manufacturing plant in Wellford, South Carolina. Firestone introduced the industry's first 30-year warranty with its launch of Firestone RubberGard Platinum 90-mil EPDM in 2003. Through the acquisition of Copper Sales, Inc., Firestone began offering metal products for roofing and wall applications under the UNACLAD™ by Firestone name in 2005.

### 2006 – 2012

In 2006, Firestone acquired GenFlex™ Building Products and began offering a second brand of roofing products marketed under the GenFlex brand

## A TRADITION OF SUSTAINABLE BUILDING PRODUCTS

As the leading manufacturer of superior commercial roofing solutions, Firestone has been trusted by contractors, building owners and specifiers for over 30 years. The company has steadily diversified from a single product to a full-line manufacturer of EPDM, thermoplastic, asphalt and metal roofing systems, polyiso insulation and accessories.

name. Firestone Metal Products opened a metal roofing plant and distribution center in Reno, Nevada, in 2006. Firestone unveiled the industry's first 30-year TPO warranty with the introduction of the UltraPly TPO Platinum 80-mil Roofing System.

In 2009, Firestone introduced a new single source solution to address photovoltaic, vegetative and daylighting roofing needs. SkyScape™ Vegetative Roof System, our innovative vegetative roofing system, provides an insulating layer that contributes to building heating and cooling efficiency, protects roofing material from UV and heat stress degradation and extends the service life of the underlying roof system.

Daylighting uses natural sunlight to replace artificial lighting. Our SunWave™ Daylighting System technology provides 4,000 prisms per square foot and transmits 35% more light with 100% diffusion, more

than any other daylighting system available. It provides the equivalent of a 1,000-watt wireless lightbulb with no energy cost.

### 2013 – TODAY

In 2013, Firestone introduced Enverge™, a new product line that includes thru-wall flashings, rigid wall insulation as well as air and vapor barriers that provide significant energy savings. Also in 2013, the company expanded its global presence by acquiring an EPDM plant in Terrassa, Spain. The plant manufactures building envelope products used in roofing, walls and facades, and waterproofing applications, as well as lining products used in geomembrane and lining applications. The acquisition provides Firestone with additional capabilities and products, including the manufacture of EPDM for use around windows and other building openings, clean sheets, thinner gauge sheets and different width sheets.



# Firestone



As a proud member of Bridgestone Americas, we are committed to the same environmental program: One Team, One Planet. Our planet faces unprecedented environmental challenges, and we believe that we are all in this together – in other words, we are One Team and on One Planet.

According to the U.S. Green Building Council, our built environment is the highest consumer of energy in the U.S. American buildings also are major users of water and creators of waste. Firestone Building Products is an industry leader in minimizing energy use and thus CO<sub>2</sub> emissions, lowering water use and reducing waste.

Internally, we have made impressive strides in reducing our own environmental footprint. We have adopted lean manufacturing practices at our facilities throughout the United States. We have restored the natural environment on the land we own, as evidenced by our Wildlife Habitat Council certifications. Our teammates have embraced our green initiatives and have extended them into our neighboring communities via various teammate volunteer activities.

From Roots to Rooftops, across our great country and beyond our borders, we are providing industry-leading solutions for our customers to tackle and solve their biggest environmental sustainability issues.



Wildlife Habitat; Firestone Manufacturing Facility; Wellford, South Carolina

## ENVIRONMENTAL VISION & POLICY

### ENVISIONING A SUSTAINABLE FUTURE

Bridgestone America's environmental mission is to help ensure a healthy environment for current and future generations. We are committed to a more sustainable society.

#### In Harmony with Nature

We believe that we are all in this together: We are part of one team, on one planet. We believe that every business has a part to play and a responsibility to uphold. To this end, we contribute to biodiversity protection through habitat enhancement on the land we own, through leading environmental education programs and through promoting environmental research for innovation in our products at our R&D facilities.

#### Value Natural Resources

We continually seek new and innovative ways to run our operations and design our products in a manner that uses natural resources more efficiently and minimizes waste. In 2013, Firestone Building Products implemented technology that allows off-specification synthetic rubber roofing to be reworked into the production process thereby reducing



Lone Tree Cultural Arts Center; Lone Tree, Colorado; RubberGard™ EPDM and Metal Roof System

the amount of virgin raw materials used and eliminating the off-specification materials from landfills.

In 2012, steps were taken across the globe to play a proactive role in resource conservation. Of particular concern is the increasing global shortage of fresh water caused by population growth, climate change and other factors. For this reason, we are working to protect water resources by efficiently using existing water supplies and preserving water-based ecosystems on our land and in our neighboring communities.

#### Reduce CO<sub>2</sub> and Other Emissions

We recognize that climate change is a real and significant risk to the natural resources we utilize to run our business, as well as to our world's economic well-being. We continually work to reduce emissions, not only in our direct footprint, but also within the life cycle of our products.

In April 2010, the company set an ambitious corporate goal to reduce our manufacturing-related carbon dioxide (CO<sub>2</sub>) emissions by 35% before 2020. Setting a specific

goal and implementing a systematic approach to reaching it is one of the many steps we have taken to reduce our carbon footprint. We have also invested our time and money in many innovative partnerships, including the Environmental Protection Agency's (EPA) SmartWay program.

At Firestone Building Products, we focus on manufacturing improved building envelope solutions to increase the energy efficiency of buildings. When it takes less energy to heat and cool a building, greenhouse gas emissions are significantly reduced.



## PROMOTING OUR VISION

In May 2011, Firestone Building Products reviewed and refined our Environmental Mission Statement and declared our commitment to working together with our many stakeholders in order to realize a sustainable society. By outlining our activities and strategies in simplified terms, teammates understand our direction and actively direct their work efforts to support our environmental goals.

The Environmental Mission Statement has been translated into 20 languages and is displayed at all facilities corporation-wide. Through educational opportunities, such as e-learning, training programs and environmental intranets, we continually educate our teammates on the connection between the Environmental Mission Statement and the work they do each day. We promote continuous improvement at all stages of the product life cycle, and we empower our teammates to translate this policy into daily action.

Our Environmental Mission covers habitat, natural resource conservation and CO<sub>2</sub> reductions with respect to all products and services we provide. We are proud of our commitment to the environment, our achievements and the recognition we've received for our environmental efforts.

### Rising to the Challenge

To translate our vision into action:

- We challenge our teammates to engineer sustainable products that inspire our customers to build sustainable structures. We work with our customers to inform them of ways to improve their use of sustainable products and designs.
- We adhere to sustainable manufacturing processes to balance our industrial needs with the environmental needs of our neighboring communities.
- We educate our teammates on our sustainability vision and empower them to carry out sustainable activities both at work and as volunteers in our communities.

## Managing Our Internal Sustainability Innovation Pipeline

Firestone Building Products is committed to offering quality commercial building envelope solutions. Firestone's portfolio of products, including polyiso insulation and reflective membranes, is the result of the strides we have already made in developing sustainable products that support our customers as they make sustainable building choices. Our leadership actively engages community leaders and building experts to identify the next generation of sustainable products.

We strive for a streamlined development cycle in order to retain our competitive advantage while implementing sustainable technology in our future products.

### Working Our Plan

Sustainability is not just an end goal for Firestone Building Products – it is part of our company-wide commitment to continuous improvement.

With that in mind, Firestone is:

**Prioritizing** – We are continuing to review our progress and have developed short-term and long-term goals to improve the sustainability of our manufacturing processes, product

offerings and community contributions. By focusing our efforts on reducing energy consumption, greenhouse gas generation and overall emissions, as well as increasing recycling and other sustainable practices, we have made substantial progress in improving our impact on the planet.

**Measuring** – A careful analysis of our manufacturing processes has yielded reliable benchmarks for our sustainability initiatives. We set improvement targets in 2011 and are empowering our teammates to continue to achieve these targets each year.

**Performing** – We will continue to evaluate our performance and trends regularly in order to confirm our progress and identify additional areas for improvement.

### Adopting ISO 14001

The International Organization for Standardization (ISO) is a federation of technical standards that are utilized worldwide by leading companies. Adherence to ISO standards has long been considered a signal of excellence in operational management. In a far-sighted move, Bridgestone Japan has required all of Bridgestone's global sites with more than 50 teammates to achieve ISO 14001 certification.

**OUR OVERARCHING MISSION  
REMAINS "TO HELP ENSURE A HEALTHY  
ENVIRONMENT FOR CURRENT AND  
FUTURE GENERATIONS."**

Firestone Building Products has six manufacturing facilities certified by an ISO 14001 registrar. The remaining manufacturing facilities adhere to the ISO 14001 principles and self-declare conformance.

- Firestone Building Products has 15 manufacturing locations, two warehouses, a global technical center and corporate headquarters.
- International Offices/Training Centers: Fort Lauderdale, USA; Mississauga, Canada; Cheshire, UK; Sao Paulo, Brazil; Brussels, Belgium and Beijing, China.
- The facilities at Prescott, Beech Grove and Wellford are individually registered to the ISO 14001 standard.
- The metal facilities in Anoka, Atlanta, Las Vegas and Warren are registered as a group.
- The facilities at Bristol, Corsicana, DeForest, Florence, Jacksonville, Salt Lake City, Muscle Shoals and Youngwood maintain and self-declare ISO 14001-compliant environmental management systems.

### Receiving Recognition for Our Conservation Excellence

Firestone Building Products has received recognition for our operational excellence, our leading

products and our sustainable land practices at our own facilities.

Our manufacturing facility in **Wellford, South Carolina**, was accepted into the South Carolina Environmental Excellence Program (SCEEP). SCEEP is a voluntary program for companies committed to continuous environmental improvement in order to protect and preserve South Carolina's environment. The Wellford facility produces Thermoplastic Roofing Membranes and accessories for industrial flat roof systems. The Wellford facility's environmental plan includes several initiatives to reduce the plant's waste streams. For example, the facility has installed grinding and pelletizing equipment that contributes to the recycling effort. To further preserve the environment, the facility installed wire screen baskets in the storm drains to prevent any debris and resin pellets from finding their way into the surrounding wetlands. The Wellford facility is ISO 14001 certified and has also received the Bridgestone Americas Environmental Award – Pollution Prevention.

Our manufacturing facility in **Prescott, Arkansas**, received the Wildlife Habitat Council's Corporate Wildlife Habitat Certification,

which recognizes exceptional wildlife habitat management and environmental education programs at individual sites. The Prescott facility occupies 48 acres of land in the Blackland Prairie region, and it includes three ponds and significant open areas. The 60-member Wildlife Team actively manages four acres for wildlife at the facility.

Two additional facilities have been recognized for environmental excellence by state programs that encourage and reward businesses and permit holders for going above and beyond compliance. Our manufacturing facility in **Salt Lake City, Utah**, is part of Clean Utah and our manufacturing facility in **Corsicana, Texas**, is part of Clean Texas.



Firestone Building Products EPDM Manufacturing Facility; Prescott, Arkansas

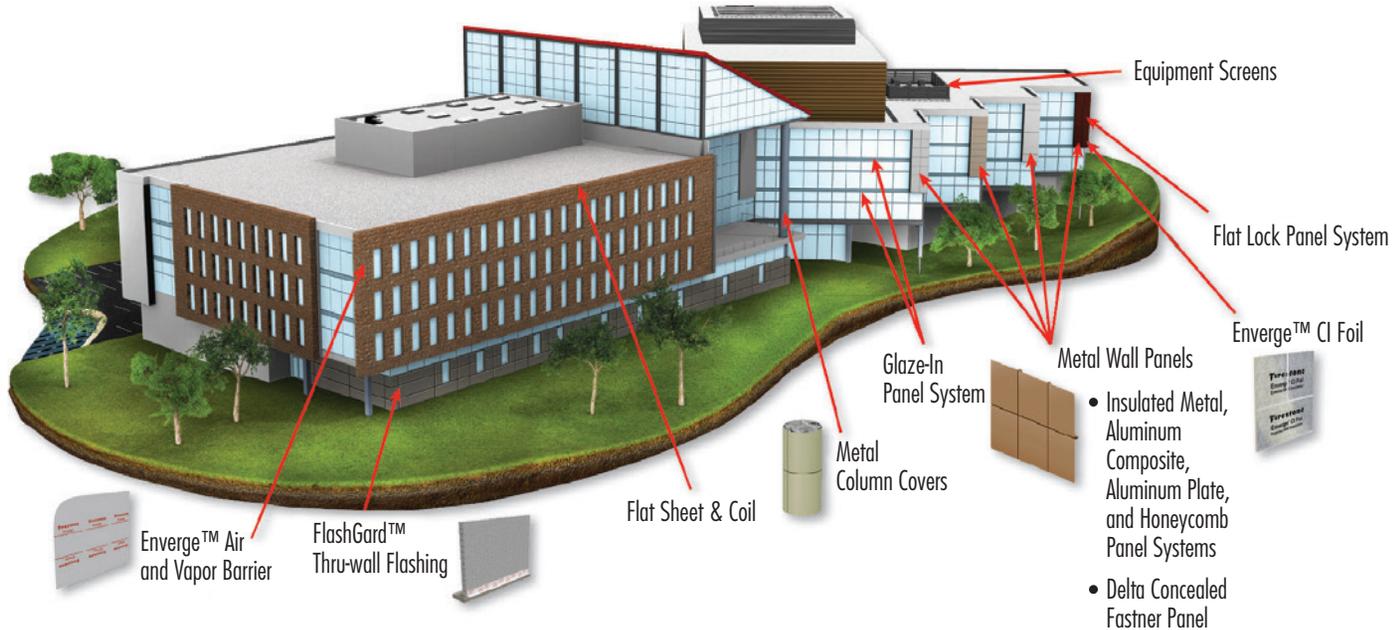
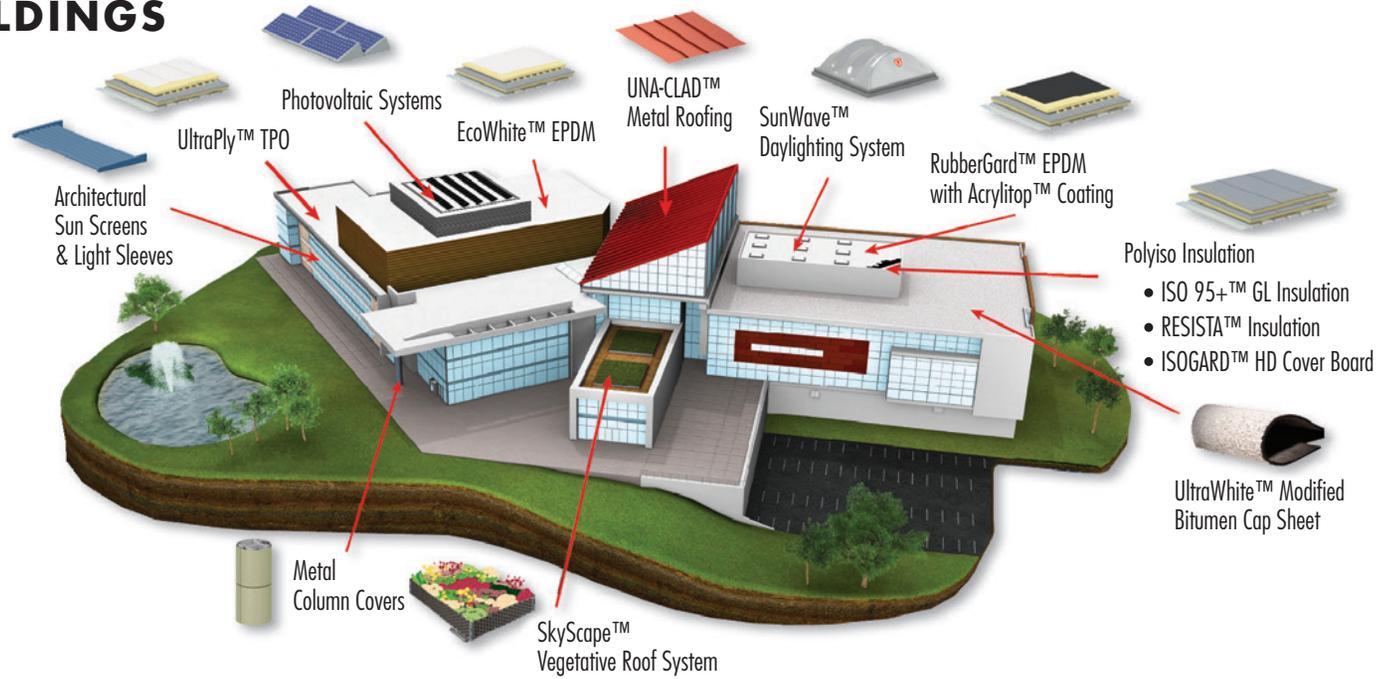


## PRODUCTS

# INNOVATIVE PRODUCTS FOR SUSTAINABLE BUILDINGS

Firestone Building Products provides sustainable solutions for the full spectrum of building requirements from a single new roof to a fully integrated, site-wide sustainability solution. The diagram to the right highlights the many sustainable products and systems that we offer.

Please read on to view more specifics on our sustainable products.





RoofPoint™



NCAA Hall Of Champions; Indianapolis, IN; UltraPly™ TPO and Metal Wall Panel Systems

### LEED®, GREEN GLOBES AND ROOFPPOINT

Firestone is a leading provider of building envelope solutions from roots to rooftops. Whole building rating systems, such as the U.S. Green Building Council’s Leadership in Energy and Environmental Design (LEED®) program and Green Globes, offer owners a quantitative and qualitative measure of the environmental performance of their buildings.

As investments in high-performing, energy efficient commercial roofing solutions continue to rise, Firestone also recommends that architects and building owners consider participating in the Center for Environmental Innovation in Roofing’s landmark roof rating system – RoofPoint.™ A voluntary, consensus-based sustainable roofing guideline, RoofPoint provides a means of evaluating roof system performance over the life cycle of the building it covers, delivering a useful measure for what constitutes a sustainable roof in terms of design, construction and operation.

RoofPoint evaluates low-slope and steep-slope commercial roofing systems in five categories: energy

management, materials management, water management, durability/ life cycle management and roofing innovation. Each functional area of the guideline is further organized into a series of credits based on critical determinants of each primary environmental function. Roof system assessment is based on a critical evaluation of each credit to determine if the system design, materials, and installation processes meet or exceed RoofPoint requirements. This may be accomplished with a combination of approaches, including energy modeling, life cycle assessment and transportation analysis, as well as other sustainable methods.

From white, reflective membranes and vegetative roofing systems to photovoltaic rooftop solutions, daylighting systems and high R-value polyiso insulation, Firestone has a wide array of sustainable roofing solutions that meet RoofPoint guidelines for environmental innovation in roofing. Architects and building owners are encouraged to visit the RoofPoint website (RoofPoint.org) to review the RoofPoint Program and learn more about opportunities to participate in the program.



## MEMBRANES AND ACCESSORIES



### RubberGard™ EPDM

Since its introduction in 1980, Firestone's RubberGard EPDM Roof System has been a leader in the single-ply roofing market through its proven performance, durability and flexibility over a wide range of building types. Whether fully adhered, mechanically attached or ballasted, versatile EPDM systems can deliver superior energy performance in many climates.



### RubberGard™ EcoWhite™ EPDM

The EcoWhite membrane provides building owners with the proven performance of traditional EPDM, while providing the additional benefit of keeping the roof cooler.

Available in a 60-mil and 90-mil thickness, EcoWhite EPDM membrane is a bi-laminate, white-on-black

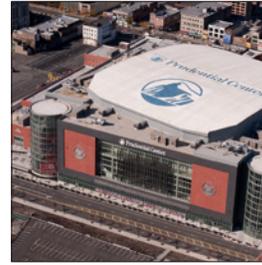
cured membrane that can be used in conjunction with the comprehensive EcoWhite line of accessories for rapid, consistent and cost-effective fully-adhered installations. It is available for UL- and FM-rated systems, exceeds ASTM D 4637 standards and is eligible for a 20-year Firestone Red Shield™ Warranty.



### UltraPly™ TPO

Suitable for a variety of low-slope commercial roofing applications, Firestone UltraPly TPO roofing membrane is a sustainable roofing solution for a wide range of building types.

UltraPly TPO membrane offers design options with panels available in reflective white, tan or gray, which can help reduce a building's cooling requirements. White and tan UltraPly TPO membranes meet the new version of the California Energy Efficiency Standards for Residential and Nonresidential Buildings (Title 24).



### ReflexEON™ TPO

The chief advantage of a light-colored roof is its ability to reflect UV radiation and improve a building's energy efficiency. Firestone's ReflexEON TPO extends those advantages, as it is the brightest, most reflective TPO membrane on the market today. Additionally, the increased brightness helps to maintain its reflectivity level.



### AcryliTop™ Coating

Firestone White AcryliTop Coating reflects at least 68% of the sun's energy after three years, which is 30% higher than the minimum initial and aged reflectance requirements of the Environmental Protection Agency's ENERGY STAR® program. AcryliTop Coatings can be applied to almost any roofing system and offer several benefits such as

extended roof life, energy savings and reduced urban heat island effect.



### UltraWhite™ Modified Bitumen Granulated Cap Sheets

Available in SBS and APP modified bitumen cap sheets utilizing Firestone's innovative UltraWhite granules, the modified bitumen cap sheets can be applied with hot asphalt, heat welding or cold adhesive and are compatible with steel, concrete, plywood and wood decks, providing greater

versatility and appeal for both new and reroof applications. They are resistant to foot traffic and hail and demonstrate excellent granule retention. Since Firestone cap sheets do not require factory or field-applied liquid coatings, the application is cleaner and will not crack or peel.

## ENERGY SAVING SOLUTIONS



### Enverge™ Cavity Wall Products

Enverge Cavity Wall Products provide benefits throughout every phase of a building project. The product line includes continuous insulation, air and vapor barriers and thru-wall flashings that provide significant energy savings to the building owner by meeting required energy codes.

Enverge Continuous Insulation Products (glass and foil facer options available) provide the highest R-value per inch versus other wall insulation products and also have lower global warming potential (GWP) than EPS. They are non-ODP and HCFC-free.

Firestone Enverge FlashGard™ Thru-Wall Flashing is a high-performance, flexible membrane used to protect masonry walls from water damage. This tough, resilient EPDM membrane has excellent thermal and dimensional stability, as well as superior resistance to weathering, ozone and ultraviolet radiation.

Enverge Air and Vapor Barrier is an asphalt-based, self-adhered, and self-sealing wall barrier that provides energy savings and contributes to better air quality for building occupants. Building owners prefer Enverge Air and Vapor Barrier as a sustainable option for their buildings due to the reduced maintenance costs attributed to moisture and thermal control.



### ISO 95+™ Insulation, ISOGARD™ HD Cover Board, and RESISTA™ Polyiso Insulation Board

Energy efficiency has been central to the Firestone Building Products product line for decades, but with the rising cost of energy to heat and cool buildings, it has taken on a much greater importance. As a result, Firestone

has become an innovator in Polyiso (ISO) Insulation Board technology. ISO is a closed-cell, rigid foam insulation board made with up to 52% recycled content depending upon the thickness of the product. Polyiso is a preferred choice for companies wanting to earn Leadership in Energy and Environmental Design (LEED®) credits.

Our Tapered ISO 95+ insulation is designed for applications when a substrate slope will not permit efficient drainage. Firestone's Tapered Network Team works directly with each customer to produce a proprietary CAD drawing that clearly identifies the proper placement of tapered ISO 95+ Insulation on the roof.

In 2008 we introduced ISOGARD HD, a high density cover board with the highest R-value per inch of any cover board product. Our RESISTA polyiso insulation board offers a coated fiberglass facer for thermal resistance. It also resists mold and offers the best fire performance ratings in the industry. Our RESISTA polyiso insulation board is an excellent option for companies that need a cost-effective, energy efficient and environmentally responsible insulation product.



## ENERGY SAVING SOLUTIONS CONTINUED



### SunWave™ Daylighting System

The Firestone SunWave Daylighting System is a premium daylighting product for the commercial roofing industry. Featuring a double-glazed, acrylic, prismatic layered dome, SunWave Daylighting System provides the highest visible light transmittance with superior light distribution, compared to sunlight domes. Over 4,000 tiny

prisms per square foot refract, direct and diffuse sunlight into thousands of micro sunbeams. This technology will keep rooms bright enough to decrease the use of indoor electrical lighting by up to 70% during daylight hours. The innovative design of SunWave Daylighting System catches up to 20% more light at low angles than standard shapes and transmits more light to the workplace area without producing glare, hot spots or UV damage to interior merchandise.



### Sunscreens (SC1, SC2)

Sunscreens can be attached to the exterior of a building to provide additional shading for the interior of the building.

- The SC1 Sunscreen features 0.090 and 0.125 anodized aluminum blades that can be welded or mechanically attached at any angle.
- The SC2 Sunscreen features 0.040 and 0.063 laminated aluminum honeycomb skin blades that visually enhance the overall building design.

### Light Shelves

Designed to strategically enable daylight to reach interior spaces while shading windows and reducing glare, Firestone light shelves complement our metal sunshades to maximize the light and energy performance of your building.



### UNA-FOAM™ Insulated Metal Wall Panels

UNA-FOAM Insulated Metal Wall Panels are foamed in place panels that are engineered and tested to meet the most rigorous performance standards in the industry. Firestone metal wall panels have a polyurethane insulation core with an R-value of 7.5 per inch. In addition to protecting the building's interior and exterior, they reduce air flow in and out of the building envelope, helping to improve HVAC performance.

## ROOFTOP PHOTOVOLTAIC SYSTEMS



### PlatinumPV™ Program

PlatinumPV couples Firestone's best roofing systems, "Platinum," with a Photovoltaic (PV) system of choice, resulting in the opportunity to purchase overburden protection through Firestone's Solar Service Agreement.

## VEGETATIVE ROOF SYSTEMS



### SkyScape™ Vegetative Roof System

Our SkyScape Roof System provides two great options (an extensive modular tray system or an intensive multi-layered system) for an easy-to-install, sustainable roofing system. Both require low maintenance yet deliver high performance. The SkyScape Vegetative Roof System is designed to

promote healthy plant growth. Both designs feature a protective root barrier, drainage and filtration layers, water retention reservoir for storm water metering, growing media and the plants themselves. They can also accommodate an irrigation system, if desired.

## WATER MANAGEMENT



### PondGard™ & GeoGard™ Linings

Our geomembranes are the most durable, dependable solution for nearly any application. Whether for decorative, commercial water features or critical containment applications such as agriculture, aquaculture, mining and other water containment, Firestone's PondGard and GeoGard systems are easy to install and built to last.

## LOW-VOC ADHESIVES



### Water-based Bonding Adhesive – P

This product contains zero volatile organic compounds (VOCs) and has a dramatic pink color indicator that changes to a translucent amber color when the water has evaporated from the adhesive. This feature helps the installer visually discern when the adhesives are ready for the membrane to be applied to the substrate and minimizes the risk of blistering.



### Single-Ply LVOC Bonding Adhesive

Single-Ply LVOC Bonding Adhesive has a solvent-based formulation that is compatible with EPDM and TPO membranes. Compliant with the Ozone Transport Commission's (OTC) regulations on VOCs, Single-Ply LVOC Bonding Adhesive provides a comparable application to standard solvent-based bonding adhesives but with a faster

dry time and is easier to use than water-based alternatives. Single-Ply LVOC Bonding Adhesive bonds membranes to approved insulations in addition to wood, metal, masonry and other acceptable substrates, and it provides high performance with good adhesion characteristics.



### Single-Ply LVOC Bonding Adhesive – 1168

Firestone Single-Ply LVOC Bonding Adhesive – 1168 is formulated for special low VOC applications. The VOC content of this new adhesive is less than 250 grams per liter, which complies with the South Coast Air Quality Management District (SCAQMD) Rule 1168. It can be used with either UltraPly™ TPO or RubberGard™ EPDM membranes and flashings. Firestone Single-Ply LVOC Bonding Adhesive – 1168 also complies with the LEED requirement for NC 2009 IEQc Credit 4.1: Low-Emitting Materials – Adhesives and Sealants. The intent of this credit is to reduce the quantity of indoor air contaminants that are odorous, irritating, and/or harmful to the comfort and well-being of installers and occupants.



White River Gardens; Indianapolis, IN; PondGard™ EPDM Liners



## FOAM INSULATION ADHESIVES



Our foam insulation adhesives are designed for use with our Firestone polyiso insulation board. Foam insulation adhesives are two-component mixtures that securely lock the insulation boards in place.

- **I.S.O. Twin Pack™ Insulation Adhesive** is a two-component, low-rise polyurethane adhesive designed for anchoring roof insulation board to acceptable substrates. It can also adhere multiple layers of insulation. The I.S.O. Twin Pack Insulation Adhesive is dispensed with our battery-powered plunger system, the I.S.O. Twin Pack Insulation Adhesive Four-Bead Dispenser.
- **I.S.O. Stick™ Insulation Adhesive** is a two-component, low-rise polyurethane insulation adhesive that is applied in beads. The I.S.O. Stick is dispensed with the PaceCart 2™ Dispenser.



- **I.S.O. FIX II Adhesive** is a single-component, moisture-cured, polyurethane adhesive. It can be used to attach insulation under fully-adhered, modified bitumen and built-up roofing systems. It can also be used to attach multiple layers of insulation.



- **I.S.O. SPRAY™ S Adhesive** is a two-part polyurethane adhesive that is mixed and dispensed from a heated high-pressure spray or bead-extruding system. It can be used to anchor acceptable roof insulation to acceptable substrates, to adhere multiple layers of insulation or to adhere the fleece-backed UltraPly™ TPO XR membrane.

**TO LEARN MORE ABOUT FIRESTONE'S SUSTAINABLE PRODUCT SOLUTIONS, VISIT [FIRESTONEBPCO.COM](http://FIRESTONEBPCO.COM)**



Wildlife Habitat; Firestone Manufacturing Facility; Wellford, South Carolina



## ROOTS TO ROOFTOPS AND BUILD MY ROOF iPad APPS

Our Roots to Rooftops iPad app is a revolutionary approach for designing environmentally sustainable buildings. It is designed to help our customers pursue the Leadership in Energy and Environment Design (LEED®) goals, in conjunction with the U.S. Green Building Council. The Build My Roof app allows users to build a roof assembly for the deck and identify credits that can be earned in order to register the project as a RoofPoint High Performance Roofing System. The technical app is another handy tool that was introduced in 2013 to help specifiers and contractors get easier access to technical documents.

## A PATH FOR CUSTOMERS TAKING THE FIRST STEP

To accommodate customers who want to make the most sustainable building decisions and purchases, but who may be unable to make the financial commitment today, Firestone Building Products offers our EnviroReady™ Roofing System and Warranty. This allows customers the option to install a pre-approved premium conventional roof today and upgrade that roofing project with sustainable technology, including photovoltaic and garden systems, for up to seven years from the date of installation.

## SAFEGUARDING CUSTOMER HEALTH

Sustainable products and solutions are not just about conserving natural resources and minimizing waste. They are also about creating a workplace that is safe, clean, and healthy for the inhabitants. Our Firestone Building Products facilities are designed to create the healthiest buildings possible. We take our customers' health and safety very seriously; we consider both the people who handle and install the products as well as the owners and occupants of the building. For this reason, Firestone Building Products has developed new adhesives, sealants and primers that are water-based or that have no or low volatile organic compounds (VOC) to reduce the impact on air quality. These adhesives, sealants and primers are suitable for use across the country and in areas that have the strictest air quality standards. We have also introduced self-adhering, odorless membranes and tapes that eliminate VOCs, to simplify installation and provide for the ease of installation by the roofing contractors.

Firestone Building Products analyzes the raw materials used to create its products and evaluates these materials against various toxic substance lists

(for example, the European Union's Substances of Very High Concern list) to determine if substitution is necessary. Firestone Building Products continues to look for materials with lower volatile organic compound content without sacrificing the performance characteristics of our products.

Firestone also works closely with state and federal regulatory bodies to advocate for the roofing industry's concerns with regards to VOC regulations. Our foremost concerns are for the safety of building installers and occupants. Firestone Building Products also proactively communicates with roofing specifiers, consultants, owners and installation contractors to ensure that all affected parties thoroughly understand the significance of the newest regulations.

There are no regulations specific to the packaging of our products, and we do not currently track the packaging materials and the percentage of these materials that are reclaimed and recycled. Please continue to the Operations chapter of this report (page 20) to find out more about our ongoing approach to furthering waste reduction.



## FOUR LIFE CYCLE STAGES, FOUR OPPORTUNITIES TO MAKE A DIFFERENCE

At Firestone, we consider the four life cycle stages of all materials when engineering and manufacturing our products. These stages are:

# 1

**RAW MATERIALS:** From source to production, we strive to lower our supply chain impacts, e.g. we find numerous ways to reduce fuel use and emissions when transporting materials.

# 2

**PRODUCTION:** We constantly seek new technologies, best practices and systems efficiencies to increase our yield and minimize our waste footprint.

# 3

**USE:** Our products are designed to minimize our customers' energy use and water use, thereby also mitigating their carbon emissions. This helps reduce their overall environmental footprint and provides operational cost savings.

# 4

**END OF LIFE:** Our products can and are recycled into many useful products. From foam dust used in absorbents for spill response to shredded EPDM used as playground coverings, Firestone helps our customers identify outlets for our materials at the end of their useful life.

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## DURABLE PRODUCTS REDUCE ENERGY DEMANDS



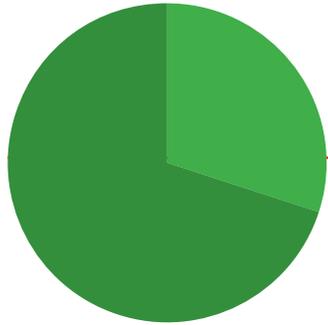
**RubberGard™ EPDM membrane** provides outstanding weathering characteristics to extend roof life, reduces long-term demand on natural resources and results in energy savings.

Recent research conducted by Firestone Building Products on 30-year-old commercial roof installations clearly demonstrates the outstanding long-term weathering capabilities of the EPDM roof systems. All of the aged roof samples exhibited physical characteristic properties above or slightly below the ASTM minimum properties required of newly manufactured 45-mil EPDM membrane. The test results validate EPDM's ability to withstand the effects of various climates extremely well for long periods of time and reinforces why EPDM has been a leading roofing choice for nearly 40 years.

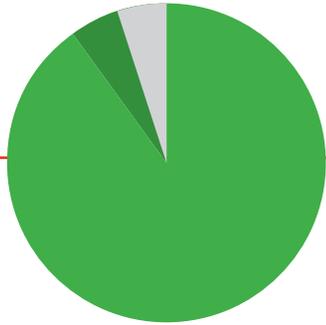
Firestone's warranty-protected **UNA-CLAD™ metal roofing system** ensures a long, low-maintenance life, which results in lower energy consumption over a more extended period of time. As a result, Firestone metal roofing reduces the depletion of natural resources caused by repair and reroofing.

## RECYCLING FOR THE MOST IMPACT

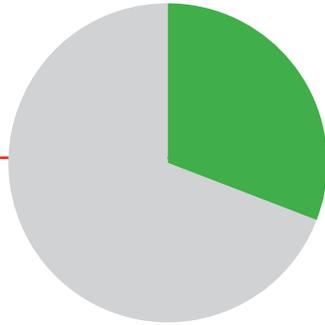
### METAL ROOFS



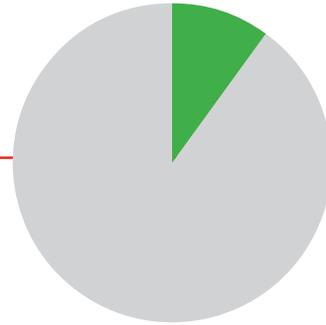
**Aluminum**  
30% – 100%  
(varies with alloy)



**Copper**  
90% – 95%  
(82% – 88% in Freedom Gray)



**Steel**  
approximately 31%



**Zinc**  
approximately 10%

All of Firestone metal roofing systems are  
**100%**  
RECYCLABLE

## EPDM AND TPO ROOFING SYSTEMS



Our EPDM and TPO roofing systems are 100% recyclable. In fact, scrap material from a TPO system can be used in a future TPO manufacturing cycle, thereby eliminating 1,000 tons of scrap every year.

## OTHER MATERIALS



Since 2004, our manufacturing plant in Beech Grove, Indiana, has recycled sand and granular waste into paving-grade asphalt road mix. As a result, the plant has reduced landfill waste by 3,000 tons each year.





Wildlife Habitat; Firestone Manufacturing Facility; Wellford, South Carolina

## OPERATIONS

A solid corporate sustainability program is predicated on smart, lean and sustainable practices that yield tangible results. Successful sustainable practices translate directly to positive trends in terms of reduced energy use, CO<sub>2</sub> emissions, water usage and discharged wastewater. Sustainable practices also result in an increase in terms of recycling, land conservation and waste management.

The tables and graphs in this section document the evolution of key environmental indicators that are directly linked to our manufacturing processes. They highlight the improvements we have achieved since initiating our sustainability practices.

Firestone recognizes the criticality of performing audits as a means of improving the processes that support our sustainability efforts. Firestone Building Products participates in three types of audits each year with the intention of full compliance of all levels of environmental regulation and performance that greatly exceeds regulatory compliance. We engage in Internal Audits, External Audits and Compliance Audits. Internal auditors have a comprehensive understanding of our corporate goals and ensure that our processes successfully support our vision. Our external auditors complement the audit process by ensuring objectivity and transparency.

### TOTAL AUDITS IN 2013

<b>Internal Audits</b>	<b>147</b>
<b>External Audits</b>	<b>22</b>
<b>Compliance Audits</b>	<b>13</b>

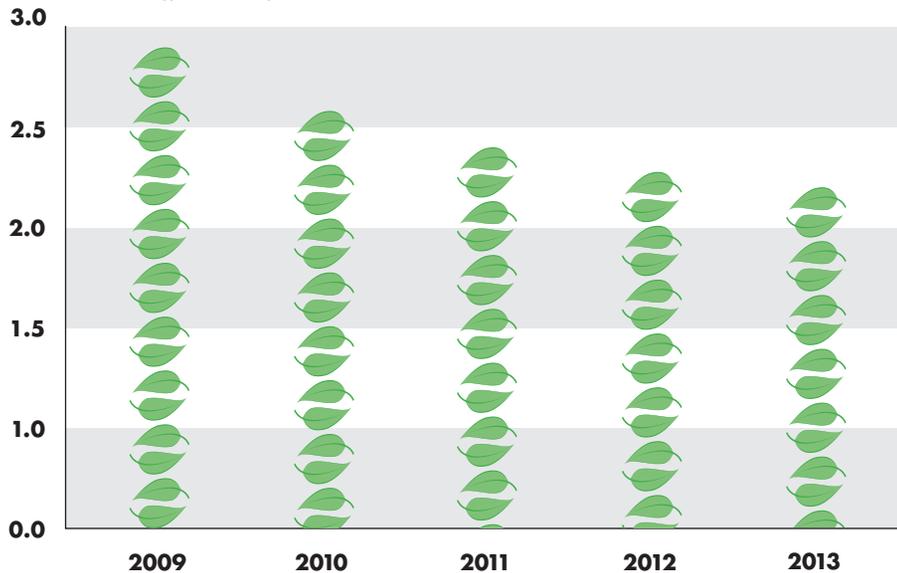
## ENERGY

Firestone Building Products is a subsidiary of Bridgestone Corporation, which has set a corporate goal to reduce CO<sub>2</sub> emissions (baselined to 2005) by 35% before 2020. Thus, reduction in energy use is a primary focus of our internal operations. This focus includes energy conservation, energy efficiency and renewable energy.



Since 2011, Firestone Building Products has implemented over 40 energy efficiency projects, including lighting, chiller and air compressor upgrades at our manufacturing facilities. This has resulted in \$1 million in cost savings and significant reductions in energy use – over 22% reduction in energy used per tonnes of product since 2009 (see below).

**ENERGY - PRODUCTION INDEXED** 2009 - 2013  
Measured in gjoules/tonnes product



## WATER AND WASTEWATER

Firestone Building Products does not have a specific water reduction goal, but we do focus year-by-year on using less water and discharging less wastewater.



As seen in the figure below, Firestone Building Products has reduced total water use by 48% per tonnes of product since 2009.

When compared to other major manufacturers' publicly available data on water use per unit of production, our 0.39 m<sup>3</sup>/tonnes product is among the best and most efficient.

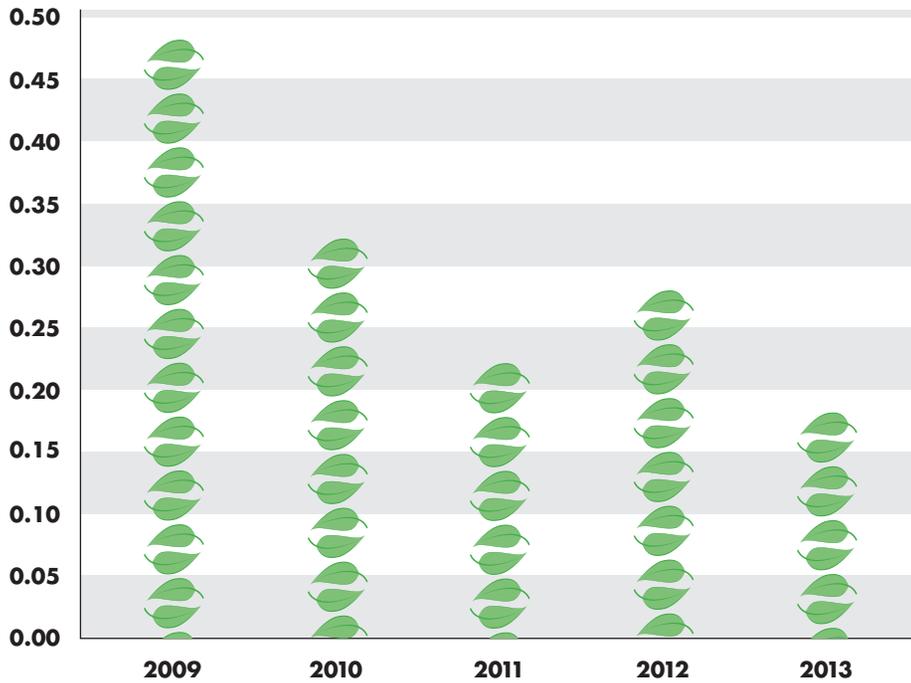
**TOTAL WATER - PRODUCTION INDEXED** 2009 - 2013  
Measured in m<sup>3</sup>/tonnes product



As seen in the chart below, Firestone Building Products has reduced total wastewater by over 62% per tonnes of product since 2009.



**WASTEWATER DISCHARGE - PRODUCTION INDEXED** 2009 - 2013  
Measured in m<sup>3</sup>/tonnes product



Our focus will continue to be to use as little water as possible, while generating as little wastewater as possible.



Meijer Garden; Grand Rapids, Michigan; PondGard™ EPDM Liners

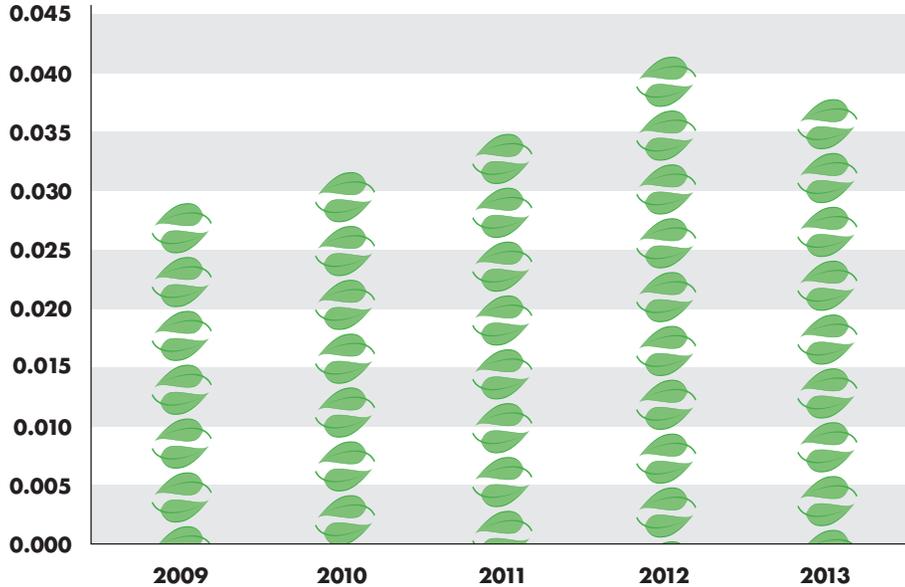
## WASTE

Firestone Building Products does not have a specific waste reduction goal, but we will incorporate waste reduction and recycling targets into our key performance indicators in 2014.

As seen in the chart below, Firestone Building Products has increased waste recycled by 45% per tonnes of product since 2009.



**WASTE RECYCLED - PRODUCTION INDEXED** 2009 - 2013  
Measured in tonnes recycled/tonnes product



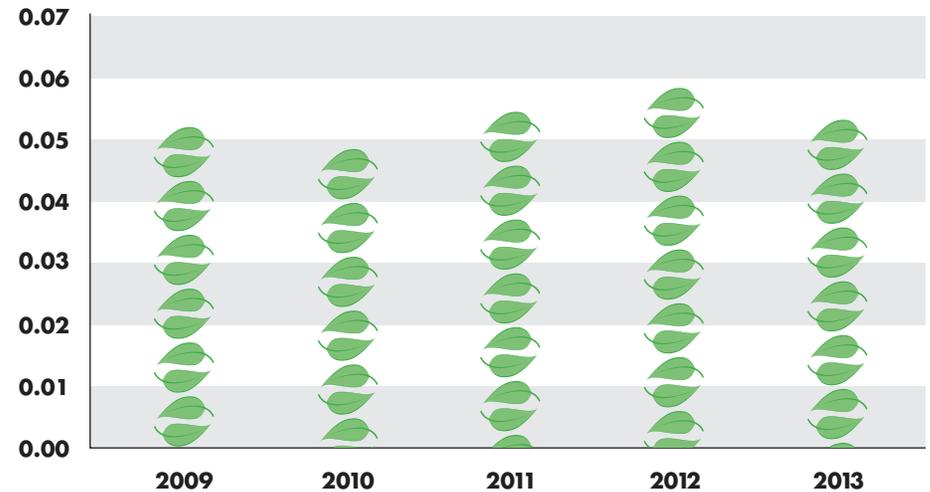
Until 2012, our waste discharged per tonnes of product had increased for two years. As indicated in our 2012 GRI Report, this uptick was identified as a key metric to improve upon in 2013.

We are proud to report that our efforts have paid off and our waste discharged per tonnes of product has decreased significantly from 2012 to 2013 – by 9%.

When compared to other major manufacturers' publicly available data on waste per unit of production, our 0.05 tonnes waste/tonnes product is among the best and most efficient.



**WASTE - PRODUCTION INDEXED** 2009 - 2013  
Measured in tonnes waste/tonnes product



## WASTE REDUCTION

In 2013, waste reduction and recycling targets were included in our corporate-level, key performance indicators. While we were not able to set goals at the business unit level, all sites had manufacturing scrap reduction targets and over half of the facilities set waste reduction or increased recycling targets in 2013.



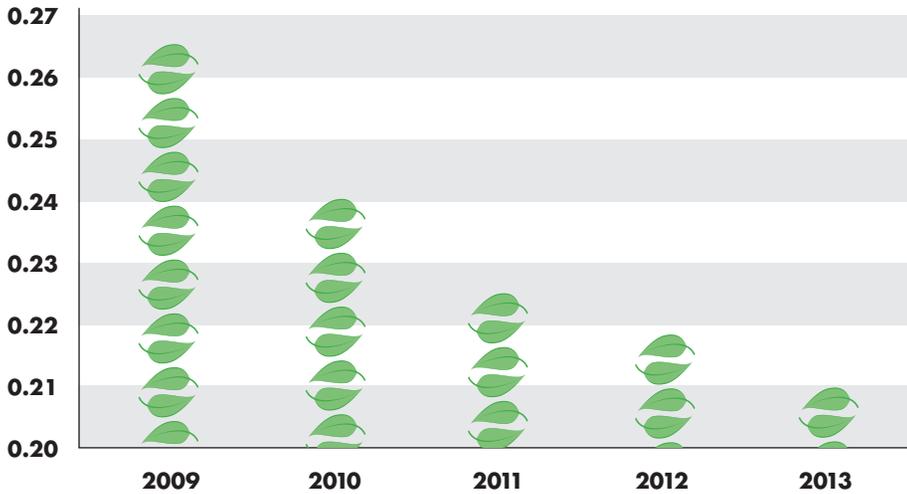
## EMISSIONS

In line with our corporate directive to reduce Carbon Dioxide (CO<sub>2</sub>) emissions by 35% before the year 2020, Firestone Building Products CO<sub>2</sub> (Scope 1 and 2) emissions are on a downward trajectory, as seen in the figure below.



### SCOPE 1+2 EMISSIONS - PRODUCTION INDEXED 2009 - 2013

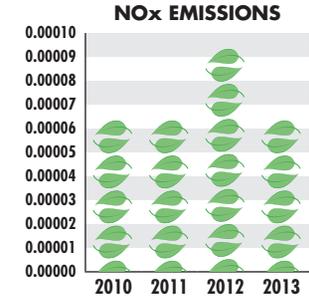
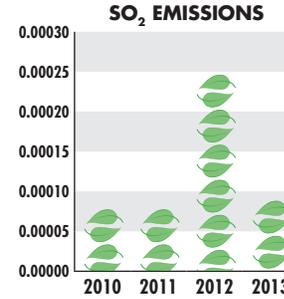
Measured in tonnes/tonnes product



Since 2009, this represents over a 21% decrease in Scope 1 and 2 CO<sub>2</sub> emissions per tonnes of product.

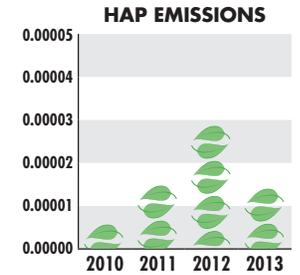
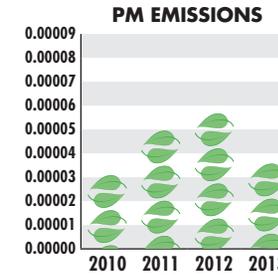
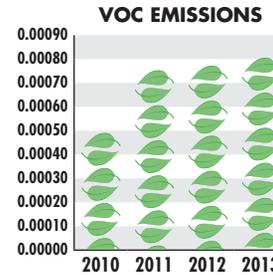
CO<sub>2</sub> is not the only emission of concern from production. We also track our Sulfur Dioxide (SO<sub>2</sub>), Nitrogen Oxide (NO<sub>x</sub>), Volatile Organic Compounds (VOC) emissions, Particulate Matter (PM) and Hazardous Air Pollutants (HAPs) – all of which are presented to the right as indexed data per annual production.

## SO<sub>2</sub> & NO<sub>x</sub> EMISSIONS



Our focus will continue to be on our corporate CO<sub>2</sub> emissions reduction targets, which will no doubt lower our overall energy use and our overall emissions, including SO<sub>2</sub>, NO<sub>x</sub>, VOC, PM and HAPs. In 2012, SO<sub>2</sub> and NO<sub>x</sub> emissions spiked as a result of temporary emergency equipment at the plant. The equipment was removed when the issue was discovered, which led to SO<sub>2</sub> and NO<sub>x</sub> decreases the following year.

### AIR EMISSIONS BY TYPE & WEIGHT\* FROM 2010 - 2013



Our indexed VOC, PM, and HAP emissions remain nearly static over the past several years, as indicated in the graphs above. Our intention is to reach a downward trend, as seen in our CO<sub>2</sub> emissions. We will provide updates on our progress in our 2014 Report.

\*Where applicable, we have updated historical data to improve reporting accuracy.

## OUR LONG-TERM ENERGY AND EMISSIONS REDUCTION TARGETS

We recognize that reducing CO<sub>2</sub> emissions is a key component in building a more sustainable society, and it is a task we are highly focused on. We have set our targets for reducing CO<sub>2</sub> emissions in our corporate activities, based on predictions by the Intergovernmental Panel on Climate Change (IPCC) and other expert international organizations. Firestone Building Products and its parent organization, Bridgestone Americas, have set a long-term target to decrease carbon emissions from our total operations by 50% by the year 2050.

In 2010, Bridgestone Americas launched an internal committee focused on improving the company's carbon management process in order to help the company achieve its reduction targets. Representatives from Firestone Building Products participate on a cross-functional team of key personnel from across several divisions. Working together, the team is actively promoting its corporate-wide carbon management system, which will help the company meet its global CO<sub>2</sub> emission reductions goals.

## LAND CONSERVATION

Firestone Building Products has a deep commitment to preserving and conserving our natural environments, especially on the lands that we own and operate. Our parent company, Bridgestone, began this commitment in 1998, when the company donated 4,000 acres of virtually untouched land near Sparta, Tennessee, to the State of Tennessee. In April

2000, then Bridgestone chairman and CEO Masatoshi Ono donated an additional 6,000 acres to the people of Tennessee, in honor of the Centennial of the Firestone Tire & Rubber Company, to create the Bridgestone Firestone Centennial Wilderness. This land is one of the last large untouched wilderness areas east of the Mississippi.

## Wildlife Habitats

Firestone Building Products created and maintains wildlife habitats at three of our manufacturing facilities across the U.S. Two of these sites have attained the prestigious Wildlife Habitat Council Certification: Prescott, Arkansas, and Wellford, S.C. This certification program has been established by the Wildlife Habitat Council (WHC) to recognize



Wildlife Habitat; Firestone Manufacturing Facility; Prescott, Arkansas



outstanding wildlife habitat management and environmental education programs at sites throughout the world. A third site at our facility in DeForest, Wis., has a non-certified wildlife habitat area that includes bird and bat nesting boxes.

Our wildlife habitat sites help restore the land that we own and operate back to the local natural habitats for both plants and animals. We are proud of the great work our teammates do to maintain and improve these beautiful sites and the good it does for the local ecosystems.

#### Prescott, Arkansas

Our South Arkansas facility occupies 48 acres of land in the Blackland Prairie region. The Prescott site has several small areas on the property ranging in size from approximately 0.75 acres to 4 acres that were just being mowed. With the Corporate Green Initiatives, we became interested in increasing biodiversity on the property by implementing enhancement projects and linking existing habitats with adjoining habitats to provide a stable, more diverse ecosystem. The Wildlife Team manages two wildlife habitat areas, approximately two acres each – one is a native grass and wildflower meadow and the other is a nature trail. In the Native Grass

and Wildflower Meadow, a variety of native wildflowers and grasses were planted to provide pollinator species with diverse habitat resources. Some of the grasses and flowers planted were Indian Grass, Little Bluestem, Switchgrass, Partridge Pea, Purple Coneflower, Blackeyed Susan, Purple Prairie Clover and Sunflowers.

The Nature Trail will provide appropriate habitat for pollinators such as butterflies, bees, hummingbirds, and cover for grassland songbirds and small mammals. The pond (approximately 80' X 90') has a waterfall and is home to native fish and aquatic insects and plants. Some of the trees planted are White Oak, Green Ash, Redbud, River Birch, Bald Cypress, Weeping Willow,



Wildlife Habitat; Firestone Manufacturing Facility; Prescott, Arkansas

Wild Plum, Shag Hickory, Sugar Maple and Pin Oak. A gazebo and bridge have been built by Prescott Management. In Spring 2013, we planted Orange Trumpet Creeper and stocked the pond with native fish (Largemouth Bass, Bluegill, Redear Sunfish and others).

We have partnered with Troop 5 of the Boy Scouts of America, who helped build the waterfall and rock perimeter around the pond. Also, they recently built blue bird houses for both areas.

When the Nature Trail is finished, local schools will be invited to attend the education center, which will contain a variety of plant species native to Arkansas.

#### Wellford, South Carolina

Our Wellford, S.C., site occupies approximately 27 acres in Spartanburg County, South Carolina. The property consists of manufacturing buildings, parking lots, landscaped areas, wetlands and a forest habitat. About 35% of the site's 27 acres is available to wildlife as forest. The wetland area is recharged from rain collection on site and then flows into Jimmy's Creek on the boundary of the property.

The Wildlife Team consists of about ten members that meet on a monthly basis to plan projects and maintain documentation.

The initial project undertaken by the Wildlife Team was a pollinator garden. The Wildlife Team chose a location that would be available for teammates and the public to enjoy. Work began in Spring 2008 on the 2,500-square-foot garden. The area was previously lawn, so the grass was removed and the soil was amended prior to planting a variety of species to benefit pollinators. Black-Eyed Susan, Oak Leaf Hydrangea and other flowers continue to thrive, providing food and cover for insects and birds.



Virgin Galactic Spaceport; New Mexico Spaceport Authority, New Mexico; RubberGard™ EPDM



## WORKPLACE AND TEAMMATES

### Our Teammates are Our Foundation

As a member of the Bridgestone Group, Firestone Building Products embraces the words of our founder, Shojiro Ishibashi, "Serving society with superior quality." In order to provide our customers with world class products and services and to serve our communities, we start by actively building a diverse, integrated corporate culture that empowers and motivates its teammates. As part of a multi-national company, we offer our employees unparalleled career opportunities, including international assignments, job rotations and other learning opportunities. Our resulting culture of collaboration and innovation fuels our success.

Bridgestone Americas, Inc. and each of its subsidiaries are committed to providing all job applicants and employees with equal employment opportunities. We actively work to promote and achieve the requirements of the Fair Labor Standards Act (FLSA), the Fair Labor Association, Fair Factories Clearinghouse, Better Work Initiative, Dutch Sustainable Trade Initiative and the California Supply Chain Transparency Law. Firestone Building

Products supports the advancement of women in the workplace through training programs, opportunities for career development and by supporting an overarching culture of inclusion and respect.

Approximately 30% of the Firestone Building Products teammates are represented by a union. Prescott, Arkansas, is the only facility to have a collective bargaining agreement. There has never been an interruption of operations due to labor disagreements.

### Women Unlimited, Inc.

Firestone Building Products has partnered with Women Unlimited, Inc. to help our talented female leaders build successful careers within our company. Firestone Building Products encourages our female mid-level managers to participate in Women Unlimited, Inc.'s 12-month executive leadership development program, which provides mentoring assistance, networking opportunities and professional development workshops.

### Our Safety and Health Policy Mission

Firestone Building Products is committed to Safety, Health and Disaster Prevention. This commitment is manifested in all business aspects – in the corporation's research, manufacturing, distribution, sales,



and service activities as well as the on and off-the-job teammate activities – in order to provide quality products and services.

### Values

Safety is a core value. In addition, Firestone emphasizes quality, integrity, and social responsibility as important values in achieving its Safety and Health mission and objectives.

### Objectives

Firestone Building Products seeks to obtain a leadership role in Safety and Health issues that concern customers, teammates, suppliers, and their communities. Firestone recognizes that Safety and Health in all aspects of operation is necessary to sustain business growth and ensure profitability. We recognize that superior quality products designed

with Safety and Health as a priority will maintain and increase business with current customers as well as winning new ones. Firestone will strive to use advanced technologies in order to achieve continuing Safety and Health improvements in products and services.

We recognize that an effective Safety and Health process must start with a Line-Driven Safety Philosophy and include the following elements:

- Management Commitment provides the motivating force and resources for organizing and controlling Safety and Health activities in the company.
- Teammate involvement provides the means through which teammates develop, and/or express their commitment to Safety and Health.

- Hazard analysis, prevention and control activities provide a systematic approach to address Safety and Health issues in all aspects of the business.
- Safety and Health education provides a foundation for a motivated, dedicated and skilled teammate base and a corporate culture in which teammates identify with and promote success of the business.

Firestone Building Products establishes this Safety and Health commitment together with Quality, Productivity and Customer Relations as a fundamental priority. No job is so important or task so urgent that we should not do it safely.

In 2013, Firestone Building Products made great progress:

- Proactive safety activities resulted in a record year with respect to the Occupational Safety and Health Administration (OSHA) incidence rate, 1.69. This compares to an industry average of 4.7. This number represents the number of OSHA recordable injuries per 200,000 man hours worked.

- Our Youngwood facility exceeded one million hours without a case with days away from work.
- And, multiple plants completed 2013 without a single recordable injury: Corsicana, Las Vegas, Mt. Joy, Plainfield, Salt Lake City, Warren and Youngwood.

### Our Occupational Safety and Health System Audit Process

The Firestone Building Products Manager, Safety & Industrial Hygiene, is responsible for completing Safety and Industrial Hygiene (IH) audits each year. All plants are audited, but the frequency

is determined by plant size and additional factors, such as previous audit results and plant performance. Audit results are published via the Datastream system, an internal data tracking system, and audit items are tracked until they are closed. In addition to the Safety & IH audits, plants that are covered by the OSHA Process Safety Management (PSM) standard also receive a PSM audit every three years. Some facilities have been recognized and participate in the OSHA's Voluntary Protection Program. These "Star" sites receive an initial audit from OSHA and a recertification audit

every 3-5 years. The VPP "Star" program is considered OSHA's highest honor.

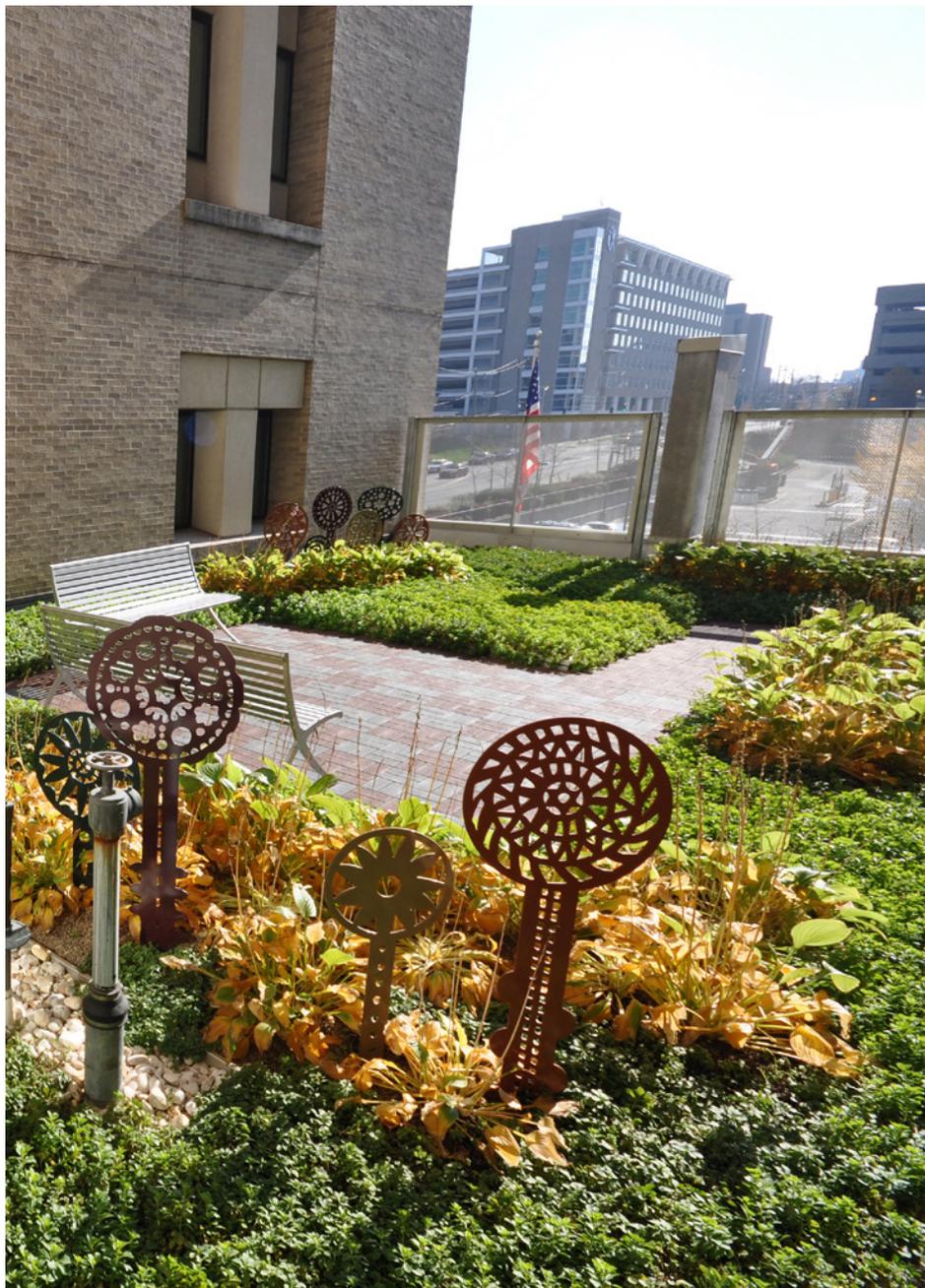
### Our Emergency Preparedness Program

Each Firestone Building Products facility maintains an Emergency Action Plan that is specific to the location and the potential emergencies that could occur there. Firestone also maintains a Crisis Team that can be convened to address incidents that could have business-wide impacts such as natural disasters.



Turtle Bay Resort; Kahuku, Hawaii; UltraPly™ TPO





Cincinnati Children's Hospital; Cincinnati, Ohio; UltraPly™ TPO, Vegetative Roof and SkyScape™ Pavers

## HUMAN RIGHTS AND SOCIAL RESPONSIBILITY

### A Global Strategy for Human Rights

Firestone Building Products believes that outside stakeholders are instrumental to its operations, and we interact and work daily with teammates, suppliers, trade organizations, customers, and the communities surrounding its operations. To the extent specific engagement is required or beneficial, Firestone Building Products engages outside stakeholders on an as-needed basis in an open and honest manner.

### The Bridgestone Group's Stance on Human Rights

As a member of the Bridgestone Group, Firestone Building Products has adopted Bridgestone's Stance on Human Rights. The Bridgestone group also appointed a Chief Human Rights Officer in 2009, who actively ensures that Bridgestone's position on human rights is well understood throughout all Bridgestone companies.

### Our Group's Stance on Human Rights

#### 1. Prohibition of discrimination

In all corporate activities, Bridgestone prohibits any acts that impair individual dignity or discrimination based on race, ethnicity, nationality, gender, age, language, religion, creed, social status, disability or any other related factors.

#### 2. No harassment

No personnel shall speak or act in ways that degrade individual dignity based on issues such as gender, authority or any other type of harassment.

#### 3. No child labor/forced labor

Bridgestone prohibits child labor/forced labor in any country.



2013 United Way Day of Caring; Camp Belzer; Cub Scout Day Camp; Indianapolis, Indiana

## GIVING AND COMMUNITIES

### Sharing Our Success with Our Communities

Firestone Building Products actively strives to improve the communities in which we operate. In fact, 100% of our facilities have community engagement plans and requirements, including hosting at least one community “eco activity” per year. In addition, we work to improve our local communities through financial gifts and by encouraging our employees to share their talents through volunteerism.

### Financial Gifts for Prescott and Nevada Counties, Arkansas

The Firestone Prescott Community Fund was incorporated in 1985 for the teammates of the Firestone Building Products Company, in Prescott, Arkansas.

The purpose of the fund is to generate and distribute donations for citizens of Prescott and Nevada County, Arkansas, as well as for other counties where the teammates of Firestone Building Products reside. Donations have been raised for educational programs, programs to improve the

general health and welfare of citizens in need, for the advancement of the arts and cultural activities, for disaster relief and to promote civic progress.

There are approximately 350 salary and hourly teammates who contribute money to the Community Fund. Money is also received from the Bridgestone Trust Fund and various other sources.

Since its inception, the Firestone Prescott Community Fund has donated more than \$850,000 to nonprofit organizations such as volunteer fire departments, area schools, Make-A-Wish Mid-South, day care centers,

Log A Load for Kids (Arkansas Children’s Hospital), and others. In 2013, approximately \$20,000 was distributed to area organizations from one plant location.

In 2013, the Firestone Building Products metal manufacturing plant located in Anoka, MN received the Minnesota Safety Council Governor’s Award at the 79th Annual Minnesota Safety and Health Conference which recognizes companies with an outstanding safety record.

The Firestone Prescott Community Fund helped to organize a plant-wide toy drive to benefit the children of teammates from 2009 to 2011. The fund has also helped the local Chamber of Commerce collect and distribute toys and clothing to needy children in the surrounding communities.



## **EMPLOYEE VOLUNTEERISM THROUGHOUT NORTH AMERICA**

Beyond the significant financial contributions that Firestone Building Products and our teammates have donated to local, state, national and international organizations, our teammates have also dedicated countless personal hours of volunteer work in our communities. These volunteer-led efforts come in all shapes and sizes from blood drives, walkathons and mentoring young men and women, to planting trees and maintaining wildlife habitats. Many of the organizations we serve are local in nature and important to the fabric of their communities but often are unknown to a larger audience. Some of the organizations that we are committed to supporting are:



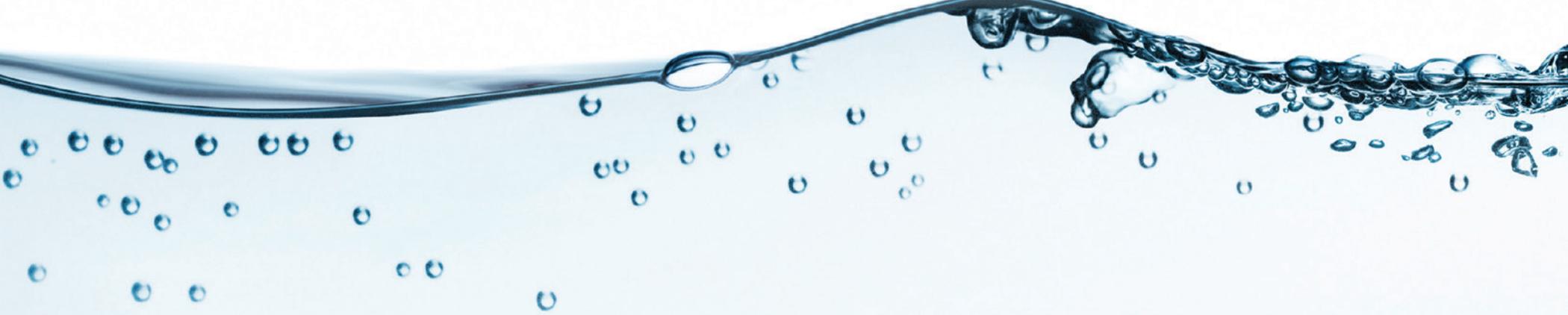
2013 United Way Day of Caring; Camp Belzer; Cub Scout Day Camp; Indianapolis, Indiana

**AMERICAN CANCER SOCIETY  
AMERICAN HEART ASSOCIATION  
ARTHRITIS FOUNDATION  
BIG BROTHERS BIG SISTERS  
BOYS & GIRLS CLUBS  
BOY SCOUTS OF AMERICA  
CENTER FOR THE PERFORMING ARTS  
PRESCOTT ARKANSAS PUBLIC SCHOOLS  
CROHN'S & COLITIS FOUNDATION OF AMERICA  
FOODSHARE & OPPORTUNITY NETWORK  
GOODWILL INDUSTRIES  
HUMANE SOCIETY  
INDIANAPOLIS ZOO  
JUVENILE DIABETES RESEARCH FOUNDATION  
LEUKEMIA & LYMPHOMA SOCIETY  
MIDDLE TYGER COMMUNITY CENTER  
MUSIC PRESERVATION SOCIETY  
NATIONAL MULTIPLE SCLEROSIS SOCIETY  
OSTEOGENESIS IMPERFECTA  
SPECIAL OLYMPICS  
ST. BALDRICK'S FOUNDATION  
THREE SQUARES FOOD BANK  
UNITED WAY**



Firestone Building Products Polyiso Insulation Manufacturing Facility; Bristol, Connecticut; Firestone PlatinumPV™ Photovoltaic System





## GOVERNANCE STRUCTURE

The governance structure for Firestone Building Products, LLC includes executive oversight and environmental management that is accountable to both the business unit and corporate parent. Teammates of Firestone Building Products are encouraged to provide recommendations and feedback through the Bridgeline, which is an internal hotline established as part of the Bridgestone Americas compliance initiatives. Teammates can also use suggestion boxes and teammate surveys.

To ensure compliance with all environmental and safety regulations, Firestone Building Products monitors newsletters, listservs and other publications to know when new or revised regulations are issued. To ensure our compliance with regulations, each facility conducts regular self-audits on a risk-based schedule. Third-party audits for ISO-compliance also occur on a scheduled basis.

There are no subsidiaries of Firestone Building Products and no current joint ventures in operation. None of the company's operations are outsourced; however, some of the operations are conducted in facilities that are leased rather than owned.

## ABOUT THIS REPORT

This is the first update of the Sustainability Report for the U.S. Manufacturing and Distribution Divisions of Firestone Building Products Company. This report was originally created by a team of internal stakeholders from across Firestone Building Products Company, including representatives from Operations, Product Development, Environmental and Safety, Marketing, Public Relations, Strategy and CEO, Tim Dunn. This team identified the following groups as relevant stakeholders: Specifiers, Building Owners, Architects, Teammates and Suppliers. The metrics and topics selected for inclusion in this report were the ones deemed of the highest materiality to our stakeholders. Representatives from the preceding groups assisted in providing information for the updated 2013 report.

This report covers our fiscal 2013 year, which corresponds to the calendar year. During this reporting period, the Wellford plant was recertified under the South Carolina Environmental Excellence Program and the Prescott, Arkansas, plant was recertified by the Wildlife Habitat Council as a Corporate Wildlife Habitat.

This Sustainability Report is covered by our standard Disclosure Policy. For complete details about this policy, see [firestonebpco.com/aboutFirestone/legal/](http://firestonebpco.com/aboutFirestone/legal/). For questions regarding the contents of this report, contact Tanya Schnelzer at [SchnelzerTanya@bfdp.com](mailto:SchnelzerTanya@bfdp.com).

## STANDARD DISCLOSURES PROFILE

Number	Description	Reported	Page #
<b>STRATEGY &amp; ANALYSIS</b>			
1.1	Statement from the most senior decision maker of the organization about the relevance of sustainability to the organization and its strategy	Yes	3
<b>ORGANIZATIONAL PROFILE</b>			
2.1	Name of the Organization	Yes	1
2.2	Primary brands, products, and/or services. The reporting organization should indicate the nature of its role in providing these products and services, and the degree to which it utilizes outsourcing	Yes	5, 10-17, 34
2.3	Operational structure of the organization, including main divisions, operating companies, subsidiaries, and joint ventures	Yes	4
2.4	Location of organization's headquarters	Yes	4
2.5	Number of countries where the organization operates, and names of countries with either major operations or that are specifically relevant to the sustainability issues covered in the report	Yes	4
2.6	Nature of ownership and legal form	Yes	4, 34
2.7	Markets served (including geographic breakdown, sectors served, and types of customers/beneficiaries)	Yes	4, 5, 11
2.8	Scale of reporting organization	Yes	4, 34
2.9	Significant changes during the reporting period regarding size, structure, or ownership	Yes	34
<b>REPORT PARAMETERS</b>			
3.1	Reporting period (e.g., fiscal/calendar year) for information provided	Yes	34
3.2	Date of most recent previous report (if any)	Yes	34
3.3	Reporting cycle (annual, biennial, etc.)	Yes	34
3.4	Contact point for questions regarding the report or its contents	Yes	34
3.5	Process for defining report content	Yes	34
3.6	Boundary of report	Yes	4
3.7	Limitations on scope or boundary	Yes	4, 18, 25
3.8	Joint Ventures, Subsidiaries, Leased Facilities, Outsourced, Other Entities	Yes	34
3.10	Explanation of the effect of any re-statements of information provided in earlier reports, and the reasons for such re-statement	Yes	n/a
3.11	Significant changes from previous reporting periods in the scope, boundary, or measurement methods applied in the report	Yes	n/a
3.12	Table identifying the location of the Standard Disclosures in the report	Yes	35

Number	Description	Reported	Page #
<b>GOVERNANCE, COMMITMENTS &amp; ENGAGEMENT</b>			
4.1	Governance Structure	Yes	34
4.2	Chair of governance	Yes	34
4.3	Unitary board structure	Yes	n/a
4.4	Mechanisms for feedback	Yes	34
4.14	List of stakeholder groups engaged by the organization	Yes	8, 34
4.15	Basis for identification and selection of stakeholders with whom to engage	Yes	34

## STANDARD DISCLOSURES: PERFORMANCE INDICATORS

<b>ECONOMIC</b>			
EC 2	Financial implications and other risks and opportunities for the organization's activities due to climate change	Yes	3, 7, 25
<b>ENVIRONMENTAL</b>			
EN5	Energy saved due to conservation and efficiency improvements	Yes	21
EN6	Initiatives to provide energy-efficient or renewable energy based products and services, and reductions in energy requirements as a result of these initiatives	Yes	10-14
EN11	Protected areas/Biodiversity	Yes	25, 26, 32
EN20	NO, SO, and other significant air emissions by type and weight	Yes	24
EN26	Initiatives to mitigate environmental impacts of products and services, and extent of impact mitigation	Yes	8-9, 17-19
EN27	Percentage of products sold and their packaging materials that are reclaimed by category	Yes	17-19
<b>LABOR</b>			
LA4	Percentage of employees covered by collective bargaining agreements	Yes	28
<b>SOCIETY</b>			
SO1	Percentage of operations with implemented local community engagement, impact assessments, and development programs	Yes	31-32
<b>PRODUCT</b>			
PR6	Programs for adherence to laws, standards, and voluntary codes related to marketing communications, including advertising, promotion, and sponsorship	Yes	34





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