



2017  
SUSTAINABILITY  
REPORT

# Firestone

Firestone Building Products

A SMARTER  
TODAY.

A BRIGHTER  
TOMORROW.

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# SMARTER TODAY. BRIGHTER FUTURE.

Every day, companies face decisions that can impact the world, the environment and people around them. At Firestone Building Products, we are dedicated to delivering a lasting, positive impact with programs and products that meet our customers' needs and expectations while still helping to ensure a healthy environment and workforce for the future. In conjunction with our parent company, Bridgestone Corporation, we are focused on our mission of **SERVING SOCIETY WITH SUPERIOR QUALITY** by embracing our responsibilities as a global leader in the commercial roofing industry and proactively participating in sustainable practices.

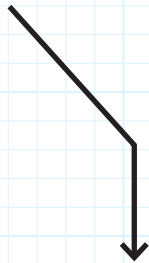
This year, we made an exciting move into our new headquarters in downtown Nashville, Tennessee. Our new home, Bridgestone Tower, houses more than 1,700 teammates, including more than 240 from Firestone Building Products. The Tower is a state-of-the-art workplace that not only looks beautiful, but was built with Firestone products and is LEED® Gold certified.

As you read the 2017 Sustainability Report, you will see Firestone Building Products is dedicated to creating products and processes that align with **OUR WAY TO SERVE**, our commitment to being a responsible corporate citizen. We are confident that the projects and activities on which we focus illustrate our promise to the planet, our customers and the communities we serve.

As a responsible company, we strive to offer the best to our customers and to society, not only in terms of products and services, but in all that we do. It is our vision to employ innovation and technology to improve the way people move, live, work and play.

Firestone Building Products has a long standing record of committing to improving its business while meeting customers' expectations in a sustainable way.

I recognize and encourage Firestone Building Products' dedication to develop better products while living our environmental mission and our commitment to produce in harmony with nature, value natural resources and reduce our CO2 emissions.



TAYLOR COLE

PRESIDENT

FIRESTONE BUILDING PRODUCTS



JIM DEMOUY

VICE PRESIDENT OF ENVIRONMENTAL,  
HEALTH, SAFETY AND SUSTAINABILITY  
(EHSS) FOR BRIDGESTONE AMERICAS



# COMPANY PROFILE

## WORLD-CLASS PRODUCTS AND SERVICES FOR GLOBAL CUSTOMERS

FIRESTONE BUILDING PRODUCTS PROVIDES COMMERCIAL BUILDING PRODUCTS FOR THE U.S. AND GLOBAL MARKETS. WE HAVE MORE THAN 1,700 GLOBAL TEAMMATES WORKING AT 25 LOCATIONS THROUGHOUT THE WORLD TO SERVE OUR CUSTOMERS, AND SELL PRODUCTS IN MORE THAN 70 COUNTRIES.

### CORPORATE HEADQUARTERS

1 Nashville, TN

### EPDM MANUFACTURING

2 Prescott, AR +

3 Terrassa, Spain

### THERMOPLASTIC MANUFACTURING

4 Muscle Shoals, AL

5 Wellford, SC +

### ASPHALT-BASED MANUFACTURING

6 Beech Grove, IN +

### METAL MANUFACTURING

7 Anoka, MN +

### TECHNICAL CENTER

8 Fishers, IN

### DISTRIBUTION CENTERS /WAREHOUSES

9 Las Vegas, NV +

10 Mt. Joy, PA

11 Plainfield, IN

### POLYISO INSULATION MANUFACTURING

12 Bristol, CT

13 Corsicana, TX

14 DeForest, WI

15 Florence, KY

16 Jacksonville, FL

17 Salt Lake City, UT

18 Youngwood, PA

### GACO MANUFACTURING PLANT

19 Waukesha, WI

### INTERNATIONAL OFFICES & TRAINING CENTERS

20 Ft. Lauderdale, FL; USA

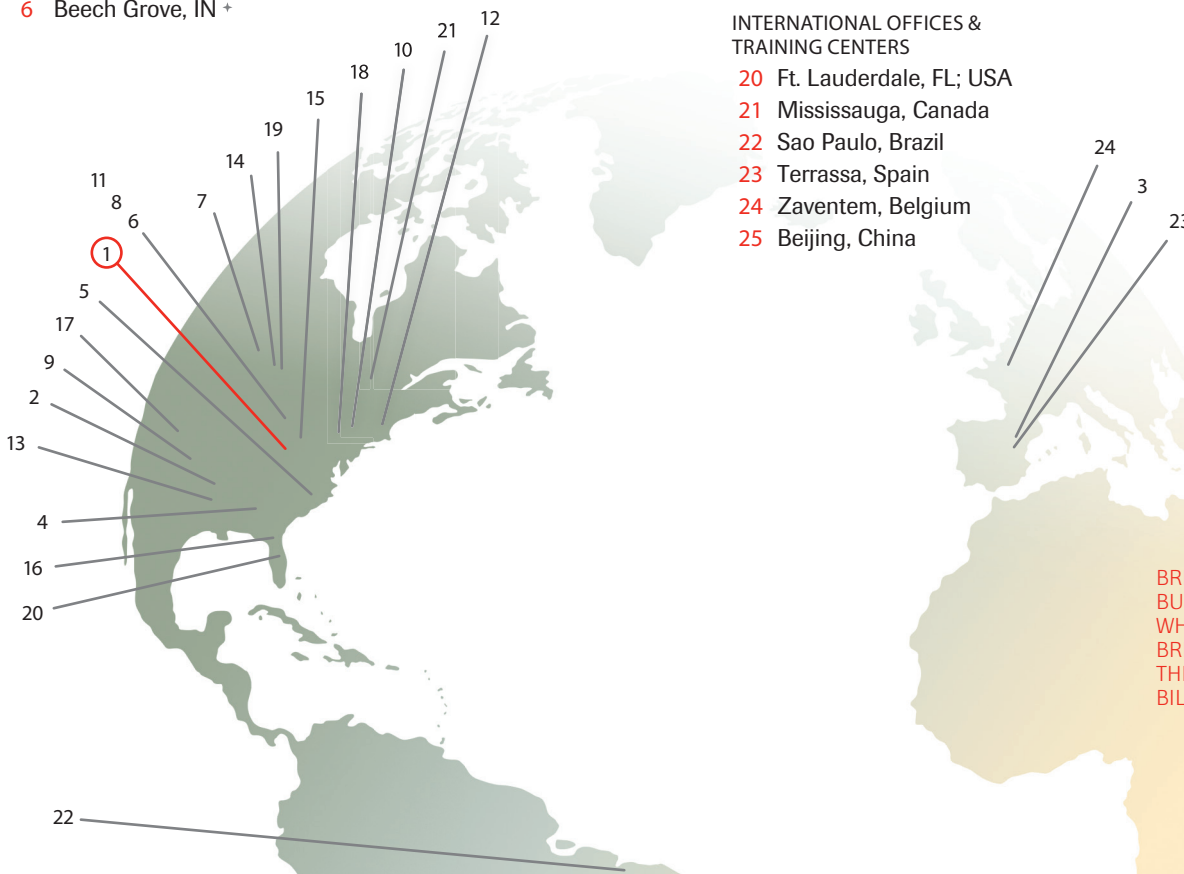
21 Mississauga, Canada

22 Sao Paulo, Brazil

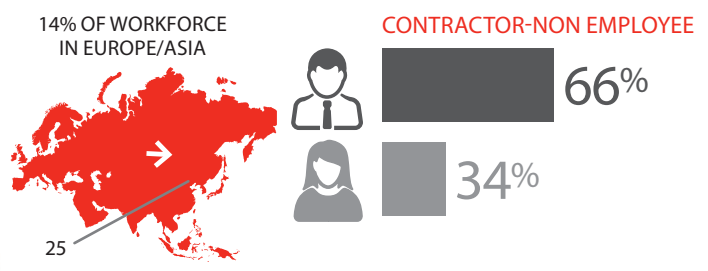
23 Terrassa, Spain

24 Zaventem, Belgium

25 Beijing, China



## TEAMMATE DEMOGRAPHICS



BRIDGESTONE AMERICAS, 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, INC. AND BRIDGESTONE EUROPE NV/SA. TOGETHER, THE BRIDGESTONE GROUP COMPANIES GENERATED NET SALES OF \$35.2 BILLION IN 2017.

All Firestone locations are ISO 9001 Registered  
 +Designates Firestone ISO 14001 Registered Locations





# ● A HISTORY OF FIRESTONE BUILDING PRODUCTS' SUSTAINABILITY

For over 35 years, Firestone Building Products has been committed to improving the sustainability of our manufacturing processes, product offerings and community contributions. We have made great strides in the last ten years, manufacturing smarter to make our planet's future even brighter.

2009

PRESCOTT, AR AND WELLFORD, SC LOCATIONS ARE CERTIFIED BY THE WILDLIFE HABITAT COUNCIL

FIRESTONE SKYSCAPE™ VEGETATIVE ROOFING SYSTEMS ARE INTRODUCED

2011

BRISTOL, CT PLANT ACHIEVES ZERO WASTE TO LANDFILL



2014

SECURE BOND™ TECHNOLOGY ADDED TO ARRAY OF LOW-VOC PRODUCTION OPTIONS

2015

RUBBERGARD™ EPDM SOLVENT-FREE BONDING ADHESIVE IS INTRODUCED TO OUR PRODUCT LINEUP

2016

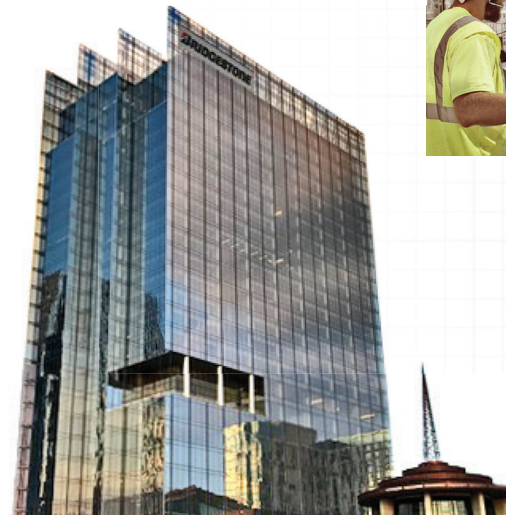
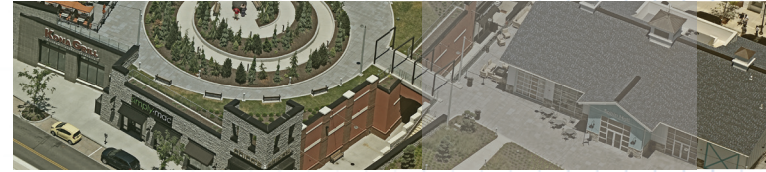
FIRESTONE BUILDING PRODUCTS RECEIVES BRIDGESTONE GROUP'S AWARD FOR ACHIEVEMENT FOR SECURE BOND TECHNOLOGY

WELLFORD, SC FACILITY ACHIEVES ZERO WASTE TO LANDFILL

2017

FIRESTONE BUILDING PRODUCTS MOVES INTO OUR NEW HEADQUARTERS, BRIDGESTONE TOWER, IN DOWNTOWN NASHVILLE, TN; THE LEED® GOLD CERTIFIED TOWER HOUSES 1,700 BRIDGESTONE AND FIRESTONE EMPLOYEES

FIRESTONE BUILDING PRODUCTS SETS GOAL TO EVALUATE AND INCREASE SUSTAINABLE MATERIALS BY 2050.



## ● ENVIRONMENTAL VISION & POLICY

### ENVISIONING A SUSTAINABLE FUTURE

The Bridgestone Group is committed to continually working toward a sustainable society with integrity and in unity with our customers, partners, communities and the world around us.

### IN HARMONY WITH NATURE

At Firestone Building Products, 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, leading environmental education programs and 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. Our SkyScape™ Vegetative Roof Systems deliver improved stormwater management with exceptional energy efficiency performance and enhanced air quality.

The [Firestone Building Products](#) website also offers an easy-to-use downloadable [Stormwater Calculator](#) that can help designers and building owners estimate the amount of rainfall retention in inches per 24 hours for various assemblies.

### 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 and services.

One of the ways we are reducing emissions at Firestone Building Products is through our continuous process improvement strategies which resulted in reducing or eliminating wait times for tractor trailers at our distribution centers. This strategy is detailed later in this report on page 12.





## ● OUR WAY TO SERVE

AT THE BRIDGESTONE GROUP, “SERVING SOCIETY WITH SUPERIOR QUALITY” IS OUR MISSION.

The Bridgestone Group’s commitment, “Our Way to Serve”, is to continually work toward a sustainable society with integrity and in unity with our customers, partners, communities and the world around us.

We aspire to offer the best for our customers and to society, not only in terms of our products, services and technology, but in all of our corporate activities. Our commitment to quality stems not from want of profit, but out of a passion for improving the safety and lives of people everywhere. We focus on three key priorities to live our mission every day: Enhancing mobility, supporting people and communities, and by advancing environmental stewardship.

Through our Management Fundamentals, the Bridgestone Group is committed to operating with integrity, transparency and ethics while delivering the highest quality products and services. As a subsidiary of Bridgestone Americas, Firestone Building Products believes in and follows the same management fundamentals as the Bridgestone Group. The six fundamentals are listed below, and are further explained throughout this sustainability report.

# Our Way to Serve



ENHANCING  
MOBILITY

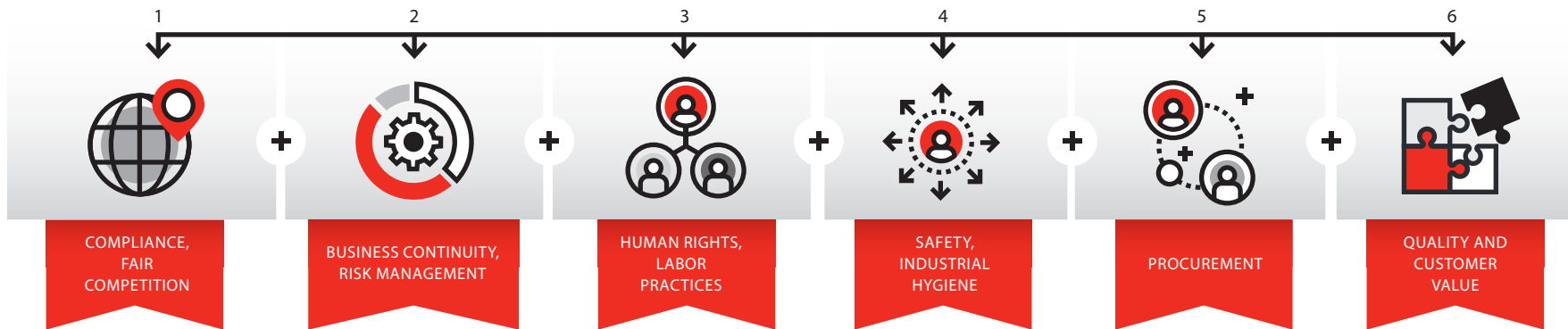


SUPPORTING  
PEOPLE AND  
COMMUNITIES



ADVANCING  
ENVIRONMENTAL  
STEWARDSHIP

### MANAGEMENT FUNDAMENTALS



## ● IMPROVING ENVIRONMENTAL PERFORMANCE

### 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 and environmental management.

In a far-sighted move, Bridgestone Corporation has required all of Bridgestone's global sites with more than 50 teammates to achieve ISO 14001 certification. Achieving this certification is proof that we have minimized how our operations negatively affect the environment. We are complying with applicable environmental laws, regulations and requirements, and we continue to work to minimize our environmental impact. We are proud to say that Firestone Building Products now has five plants certified by an ISO 14001 registrar.

→ The facilities at Anoka, Beech Grove, Prescott, Muscle Shoals and Wellford are individually registered to the ISO 14001 standard.

This focus on high operational excellence results in safer workplaces. In 2017, we had zero reported incidents of workers with high risk of disease related to their occupations.



### RECEIVING RECOGNITION FOR SUSTAINABILITY AND SAFETY

Firestone Building Products offers energy-saving solutions and low-emission solutions that work to advance safe and sustainable construction around the world; this commitment to a greener, safer industry starts with our own operations.

Safety is a core value for Firestone. We have an established safety program that includes training, evaluation of basic systems, internal audits and continuous improvement for all products and services.

→ Five manufacturing facilities received recognition for exceeding one million work hours without a lost-time injury -  
Muscle Shoals; Prescott; Beech Grove;  
Youngwood; Salt Lake City.

In 2017, the Salt Lake City, UT, manufacturing facility was named an OSHA VPP Zeroes Hero for experiencing no OSHA recordable injuries during the 2017 calendar year.

We are proud of the recognition we receive for our efforts to create a safe, healthy environment in our facilities and in the communities we call home.

Firestone Building Products receives OSHA's VPP Zeroes Heroes Award in 2017 at its Salt Lake, UT plant location.

#### PICTURED:

FSBP Salt Lake City Plant Manager, Alex Smith (left)  
FSBP EHSS Manager, Larry Leach (right)  
Utah State VPP Coordinator, Jerry Parkstone (middle)







SHAPING TOMORROW

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 (USGBC) Leadership in Energy and Environmental Design (LEED) program offers owners a quantitative and qualitative measure of the environmental performance of their buildings.



The LEED rating system is the foremost program for buildings, homes and communities that are designed, constructed, maintained and operated for improved environmental and human health performance.

In January 2015, Bridgestone Americas broke ground on the 31 story, 523,000 sq. ft. office tower in Nashville, Tennessee that now serves as the new headquarters. In the fall of 2017, Firestone Building Products relocated to this new state-of-the-art facility it now calls home. Many of the products manufactured by Firestone Building Products were used to help achieve LEED Gold certification for the new building, including ISO 95+™ Polyiso, and UltraPly™ TPO Membrane on the roof.

TO ACHIEVE LEED GOLD CERTIFICATION, 60-79 POINTS MUST BE EARNED IN THESE CATEGORIES:



**Sustainable Sites**  
Rewards decisions that maximize the ecological value of the project.



**Water Efficiency**  
Addresses water holistically - indoor, outdoor and specialized uses.



**Energy & Atmosphere**  
Evaluates energy use reduction, energy-efficient design and renewable energy sources.



**Materials & Resources**  
Focuses on minimizing energy and impacts around the extractions, processing, transport and disposal of materials.



**Indoor Environmental Quality**  
Rewards decisions about indoor air quality and thermal, visual and acoustic comfort.





















**Innovation Design**  
Recognizes projects for innovative features and sustainable practices and strategies.

BRIDGESTONE TOWER Firestone Building Products headquarters, Nashville, TN



# OUR PRODUCTS

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. These diagrams highlight the many sustainable products and systems that we offer. Continue reading or visit [firestonebpc.com](http://firestonebpc.com) to see how each product contributes to a more sustainable environment.

- RubberGard™ EPDM and UltraPly™ TPO with Secure Bond™ Technology  
- RubberGard EcoWhite™ EPDM 
- UltraPly™ TPO  
- AcryliTop™ Coating 
- UltraWhite™ Modified Bitumen Granulated Cap sheets 
- Enverge™ Cavity Wall Products   
- SkyScape™ Vegetative Roof Systems 
- SkyPaver™ Composite Roof Pavers 
- SunWave™ Daylighting System   
- PondGard™ & GeoGard™ Linings   

## INSULATION PRODUCTS

- ISO 95+™ Insulation
- ISOGARD™ Hd Cover Board
- Resista Polyiso Insulation Board





















## LOW-VOC & SOLVENT-FREE ADHESIVES

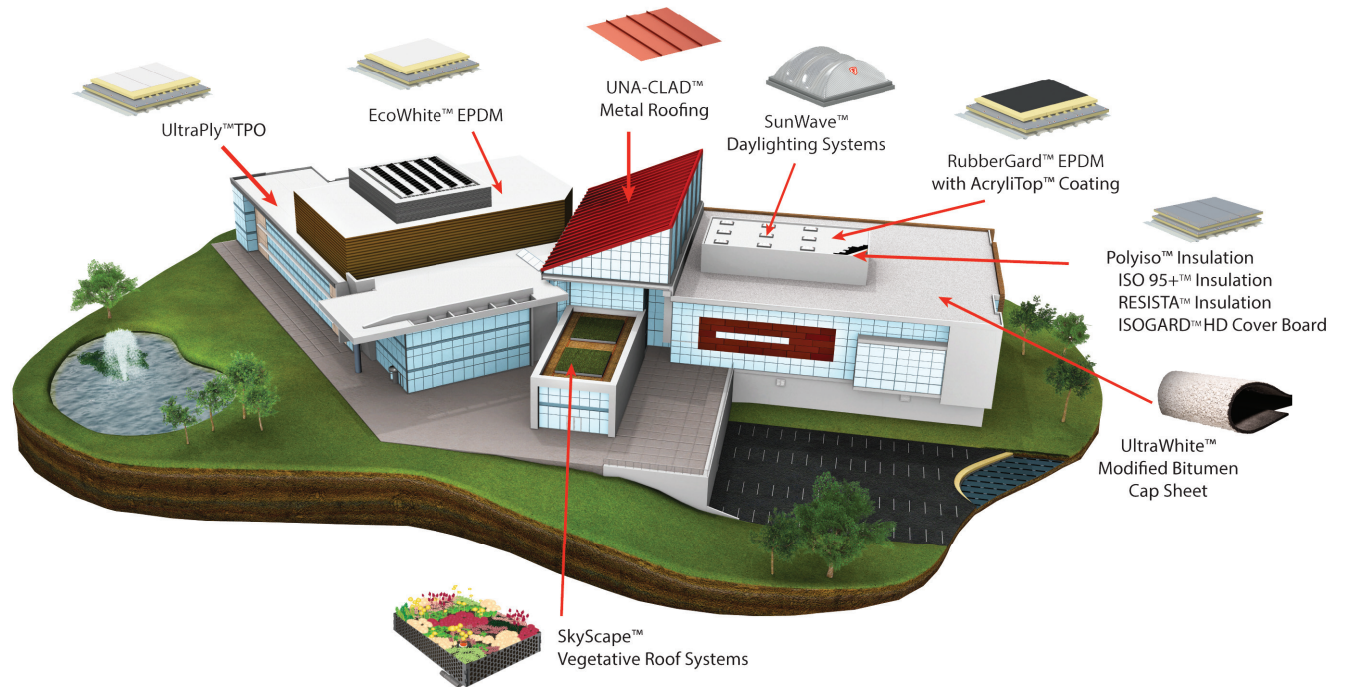
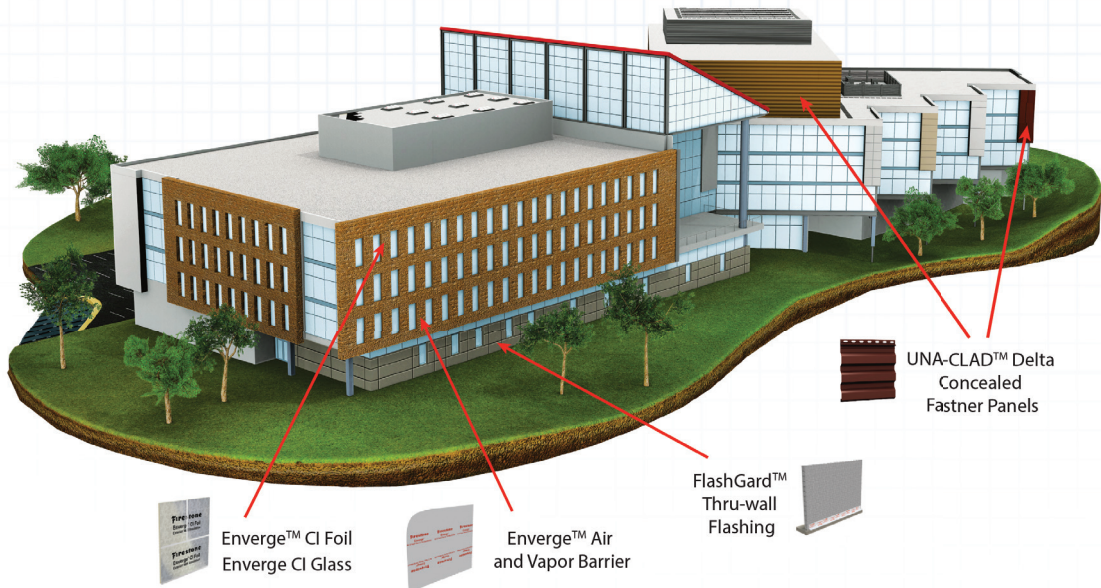
- Waster-based Bonding Adhesive - P
- Single-ply LVOC Bonding Adhesive
- RubberGard EPDM Solving-Free Bonding Adhesive

## FOAM INSULATION ADHESIVES

- I.S.O. Twin Pack™ Insulation Adhesive
- I.S.O. Stick™ Insulation Adhesive
- I.S.O. Fix™ II Adhesive
- I.S.O. Spray™ S Adhesive

## GACO™ WALL FOAM INSULATION

- GacoProFill™    
- GacoOnePass™    
- GacoFireStop2™    
- Gaco 183M LEED    
- Gaco 052N LEED    





## ● COMMITTED TO MAKING A DIFFERENCE

### CREATING VALUE TO SOCIETY THROUGH SUSTAINABLE PROCUREMENT PRACTICES

The [Bridgestone Global Sustainable Procurement Policy](#) helps identify and evaluate qualified suppliers, promote best practices, and serve as a communication and improvement tool for the industry. It applies to all purchased materials, products and services, as well as all suppliers globally. It is organized into four areas, each with both minimum requirements suppliers must meet to do business with Bridgestone, as well as preferred practices that are intended to enhance the company's various supply chains. The four areas of focus are:



**Transparency** – including traceability and good governance;

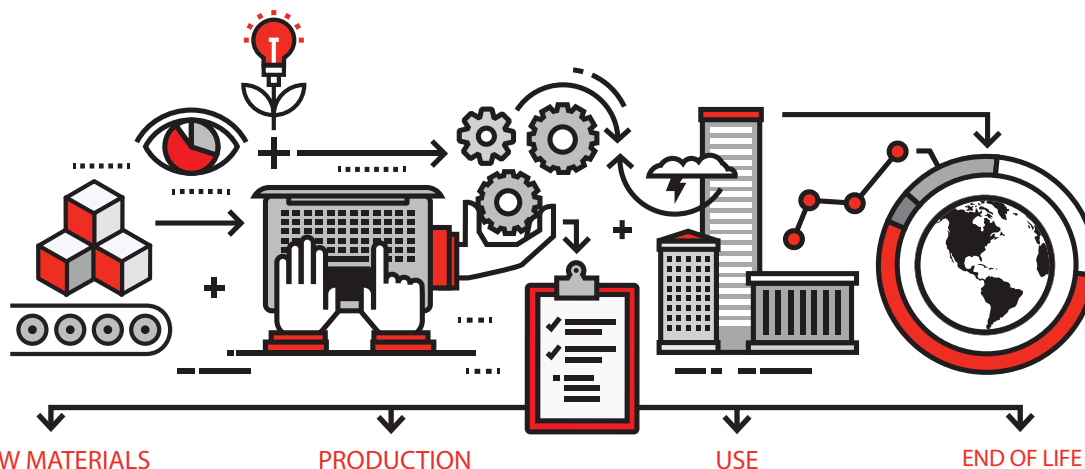
**Compliance** – adhering to laws and regulations in the countries and regions in which Bridgestone conducts business;

**Quality, Cost and Delivery (QCD) & Innovation** – ensuring high quality materials, products and services are delivered on time and at reasonable costs, while also pursuing innovative technologies that support improvements across global communities;

**Sustainable Procurement Practices** – incorporating environmentally responsible procurement, such as compliance with environmental laws and regulations, respect for human rights, water use, land use and conservation, health, safety, disaster prevention and resilience.

### ACTIVITIES IN OUR OPERATIONS

The Bridgestone Group is committed to “value natural resources” through the efficient use of resources on the planet throughout the lifecycle of products, from raw material procurement to disposal and recycling. At Firestone, we consider four lifecycle stages of all materials when engineering and manufacturing our products. These stages are:



From source to production, we strive to lower our supply chain impacts by reducing fuel use, emissions and waste.

In order to increase our yield and minimize our waste footprint, we are constantly seeking new technologies, best practices and systems efficiencies. In 2016, all of our plants launched a new LEAN Enterprise Initiative that has already shown improvements and efficiencies.

Our products are designed to minimize our customers' energy use and water use, while mitigating carbon and other air emissions.

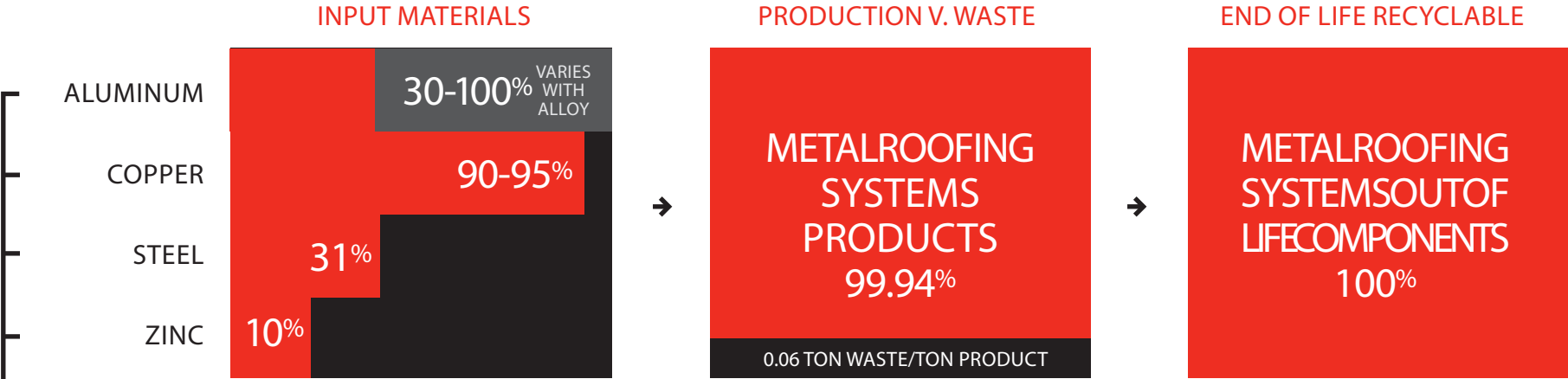
Firestone helps our customers identify outlets for our products at the end of their useful life, as many of our products can be partially or fully recycled.



# OUR CYCLE OF RECYCLING

ALL FIRESTONE METAL ROOFING SYSTEMS CONTAIN RECYCLED CONTENT FROM POST-CONSUMER MATERIAL. BELOW IS A BREAKDOWN SHOWING THE AMOUNT OF RECYCLED CONTENT IN EACH OF OUR METAL SYSTEMS.

■ RECYCLABLE MATERIAL  
■ NON-RECYCLABLE MATERIAL



ALL FIRESTONE METAL ROOFING SYSTEMS ARE 100% RECYCLABLE AT END-OF-LIFE.

## EPDM AND TPO RECYCLING EFFORTS

→ We have reprocessed **13,000 TONS** of TPO pre-consumer, recyclable material since 2010

Scrap material from a TPO system can be used in a future TPO manufacturing cycle, thereby diverting thousands of tons of scrap from entering into landfills every year. We constantly strive to improve efficiencies on all our products.

→ We have reprocessed **12,700 TONS** of EPDM pre-consumer, recyclable material since 2013

At our EPDM Prescott location, a process was developed in 2013 that allowed the site to re-introduce “scrap” material back into product, diverting over 12,700 tons from the landfill through 2017.



## ● OPERATIONAL EXCELLENCE IMPROVES ENVIRONMENTAL IMPACT

**FIRESTONE BUILDING PRODUCTS** HAS BEEN FOCUSED ON IMPROVING OPERATIONAL EFFICIENCIES TO HELP IMPROVE PRODUCT QUALITY, CUSTOMER SERVICE, LABOR RESOURCES AND ENERGY REDUCTION. WE HAVE BEEN IMPLEMENTING LEAN PROCESSES OVER THE LAST TWO YEARS IN ALL OF OUR PLANTS TO HELP ACHIEVE THESE GOALS. IN 2017, OUR DEFOREST, WI PLANT IMPLEMENTED SEVERAL NEW LEAN STRATEGIES THAT HELPED IMPROVE OPERATIONAL EFFICIENCY AND REDUCE FUEL CONSUMPTION AND CO2 EMISSIONS BY IMPROVING HOW THE PLANT SCHEDULES TRUCKS TO TRANSPORT OUR PRODUCTS.

Heijunka (hi-JUNE-kuh) is a Japanese word for leveling.

It is part of the lean methodology of process improvement that helps organizations match unpredictable customer demand patterns and eliminate manufacturing waste by leveling the type and quantity of production output over a fixed period of time.

The DeForest team implemented several lean tools such as the audit Heijunka board, standard work, and short & long term countermeasure boards to drive loss elimination. Specifically, the plant scheduled outbound shipments at specific window times to match our production and shipping capacities. This strategy has eliminated backlogs of trucks waiting to be loaded at DeForest. Prior to deployment, it would not be uncommon to find a line of 10 or more trucks running idle waiting to be loaded. These wait times created wasted fuel and unnecessary emissions around our distribution centers. The DeForest plant team received Firestone Building Products' Continuous Improvement Award for these measures in 2017.

In 2017, one grievance or formal enforcement letter about an environmental impact was received at our Prescott, Arkansas, pertaining to failure to conduct annual visible emission observations. This since has been corrected at the plant.





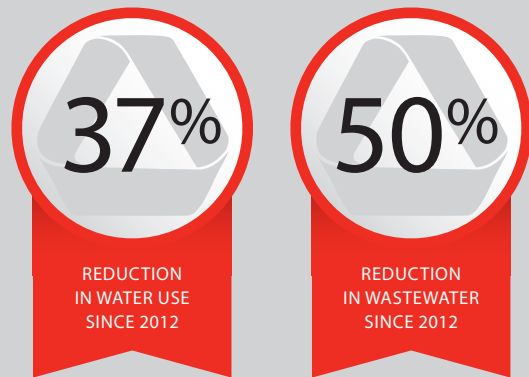
## ● WATER AND WASTEWATER

Firestone Building Products focuses on using less water and discharging less wastewater. As seen in the figure below, Firestone Building Products has reduced total water use by 37% per tonne of product and has reduced total wastewater by 50% per tonne of product since 2012.

When compared to other major manufacturers' publicly available data on water use per unit of production, our 0.39 m3/tonne product is among the best and most efficient.\*

Upon review of all Firestone Building Products' locations, no water sources are significantly affected by our operational water use.

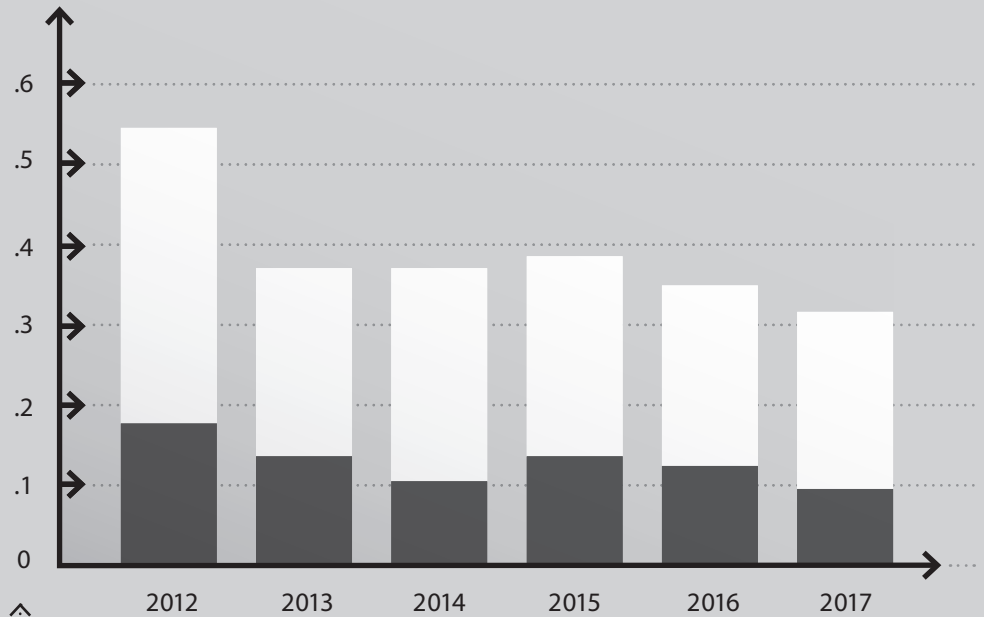
\*Please see About This Report on page 21 for sourcing information.



INDUSTRIAL WATER

CITY WATER

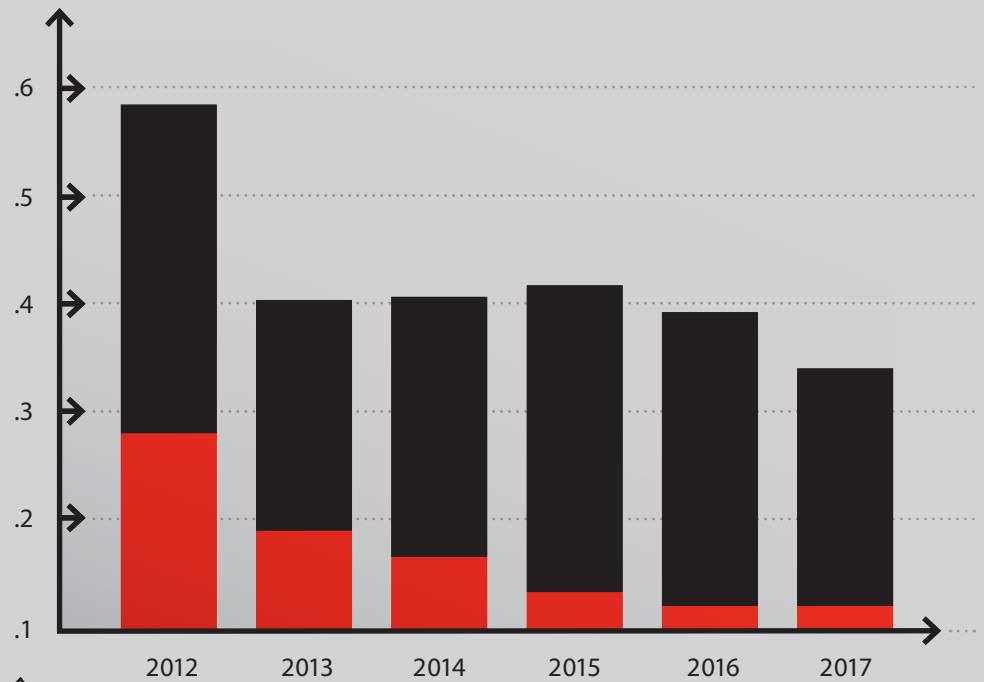
■ MEASURED IN M<sup>3</sup>/TONNE PRODUCT



TOTAL WATER USAGE  
PRODUCTION INDEXED

TOTAL WASTEWATER DISCHARGED  
PRODUCTION INDEXED

■ MEASURED IN M<sup>3</sup>/TONNE PRODUCT



\*EXCLUDED: GACO PRODUCTS AND PRODUCTION FACILITY



## TOTAL PRODUCTION, WASTE AND WASTE RECYCLED

From 2012 to 2017, our production has increased by more than 15%. Even with this increase, we have maintained our waste per production over the years at 0.06 tonne waste per tonne product. When compared to other manufacturers' publicly available data, our 0.06 tonnes waste per tonne of production is among the best and most efficient.

In 2014, Firestone Building Products set a goal to maintain or increase the amount of waste recycled relative to the amount generated. In 2014 and 2015, we tested and launched three new sustainable products that required more production and ultimately resulted in more waste, and less product recycled.



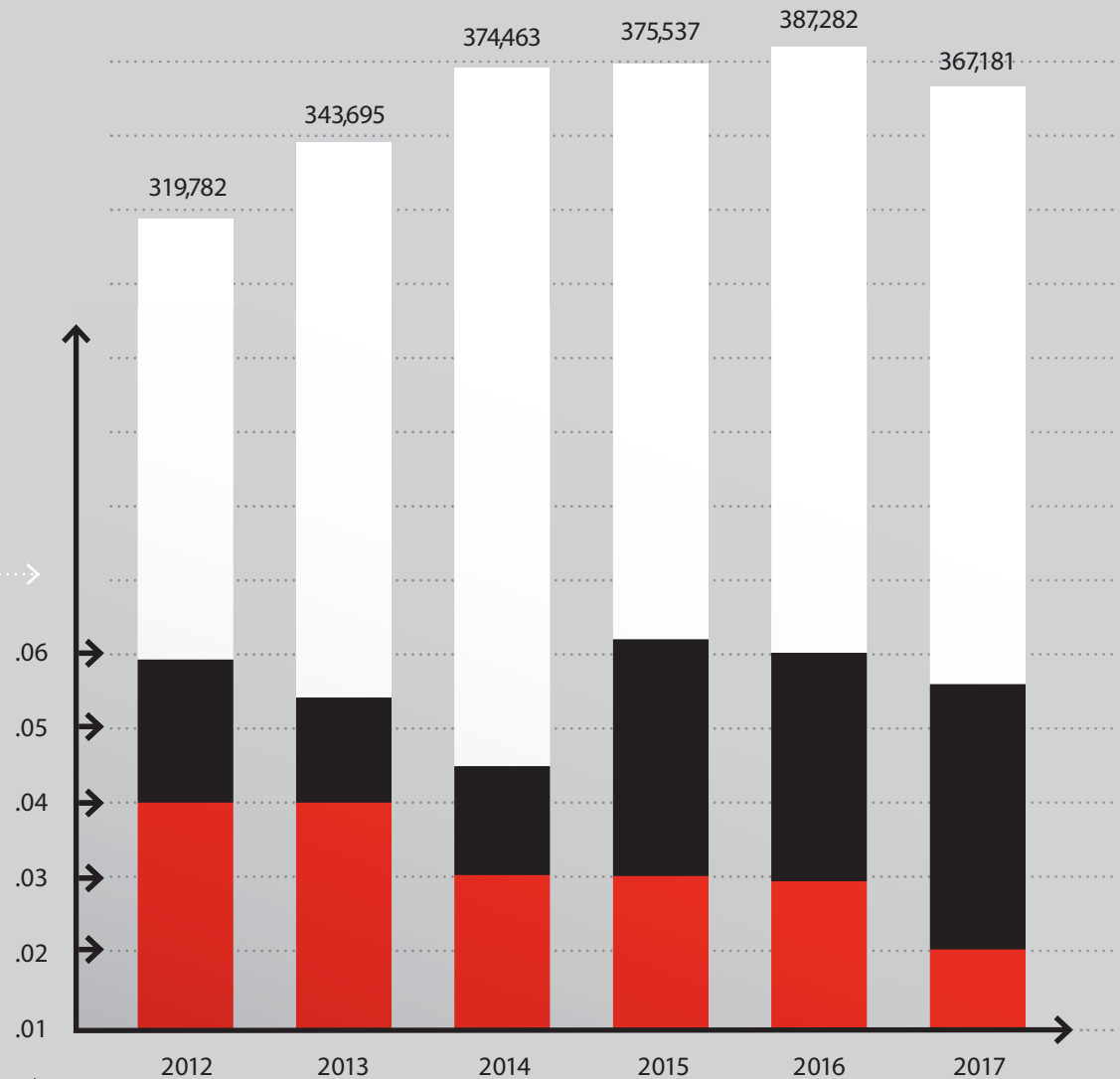
TOTAL PRODUCTION

■ MEASURED IN TONNES

TOTAL WASTE

TOTAL WASTE RECYCLED

■ ■ MEASURED IN TONNES/TONNE PRODUCED



\*EXCLUDED: GACO PRODUCTS AND PRODUCTION FACILITY



# ENERGY

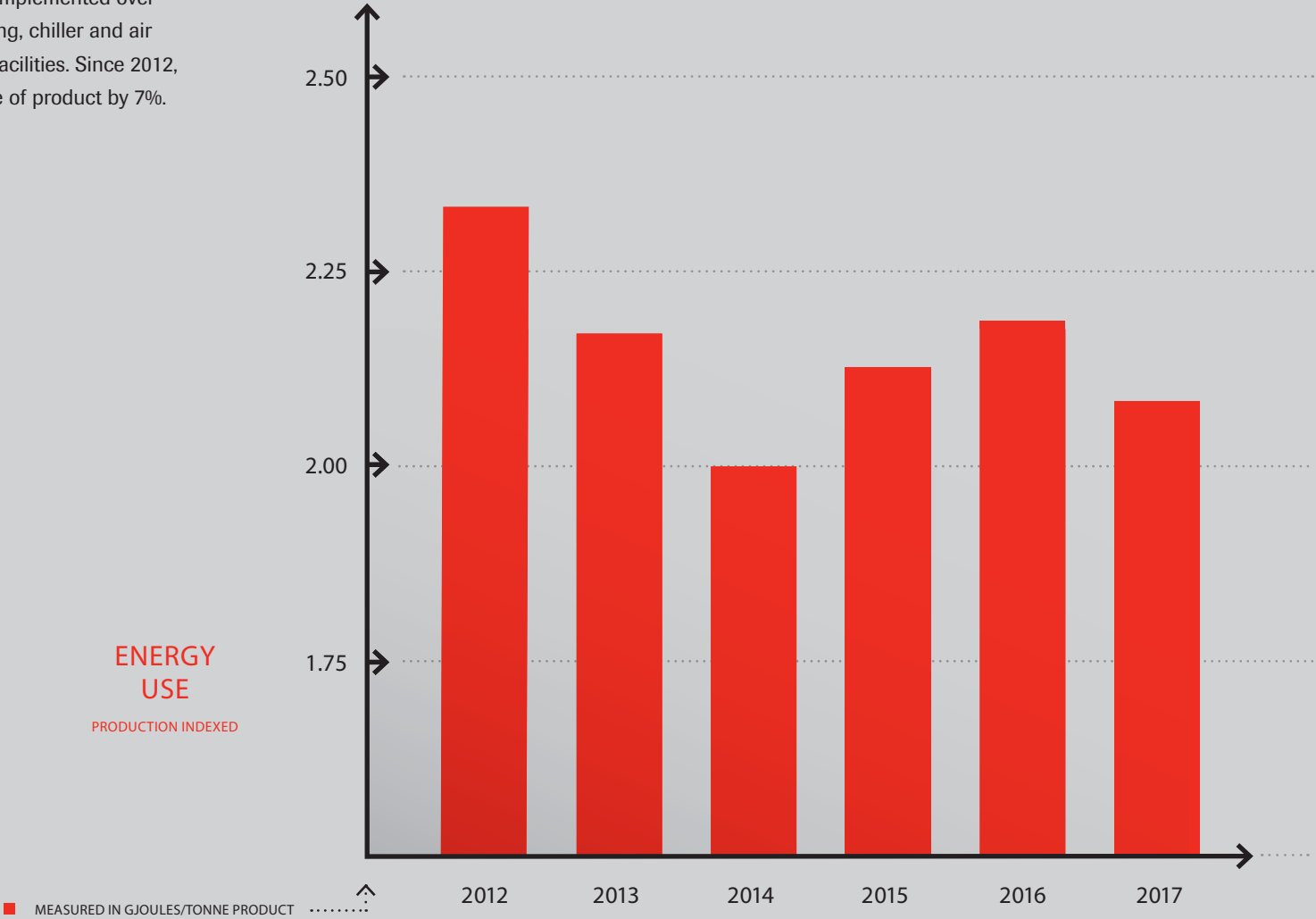
Reduction in energy use is a primary focus of our internal operations. This focus includes energy conservation, energy efficiency and renewable energy.

Since 2011, Firestone Building Products has implemented over 40 energy efficiency projects, including lighting, chiller and air compressor upgrades at our manufacturing facilities. Since 2012, Firestone has reduced energy used per tonne of product by 7%.

OVER  
**7%**

REDUCTION OF  
ENERGY USED  
PER TONNE  
OF PRODUCT  
SINCE 2012

ENERGY USE  
PRODUCTION INDEXED



\*EXCLUDED: GACO PRODUCTS AND PRODUCTION FACILITY

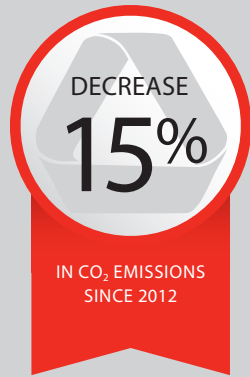




## ● EMISSIONS

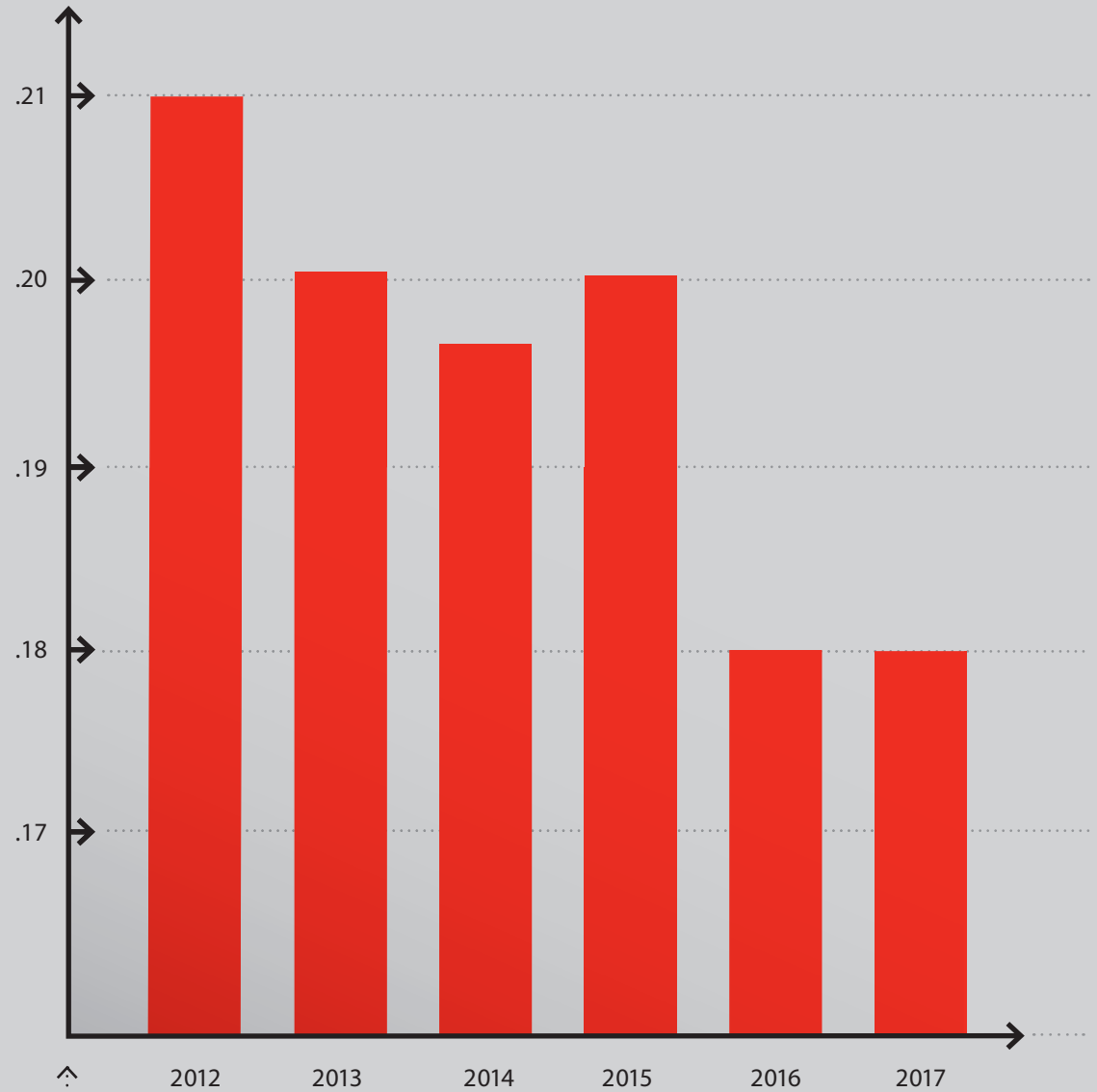
Firestone Building Products' CO<sub>2</sub> (Scope 1 and 2) emissions have seen a 15% decrease per tonne of product since 2012.

Our focus will continue to be on reducing overall energy use which will result in lower CO<sub>2</sub> and other emissions.



SCOPE  
1&2  
EMISSIONS  
PRODUCTION INDEXED

MEASURED IN TONNE/TONNE PRODUCT



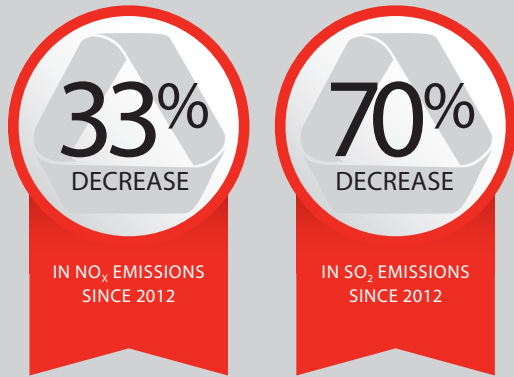
\*EXCLUDED: GACO PRODUCTS AND PRODUCTION FACILITY



## ● EMISSIONS CONTINUED

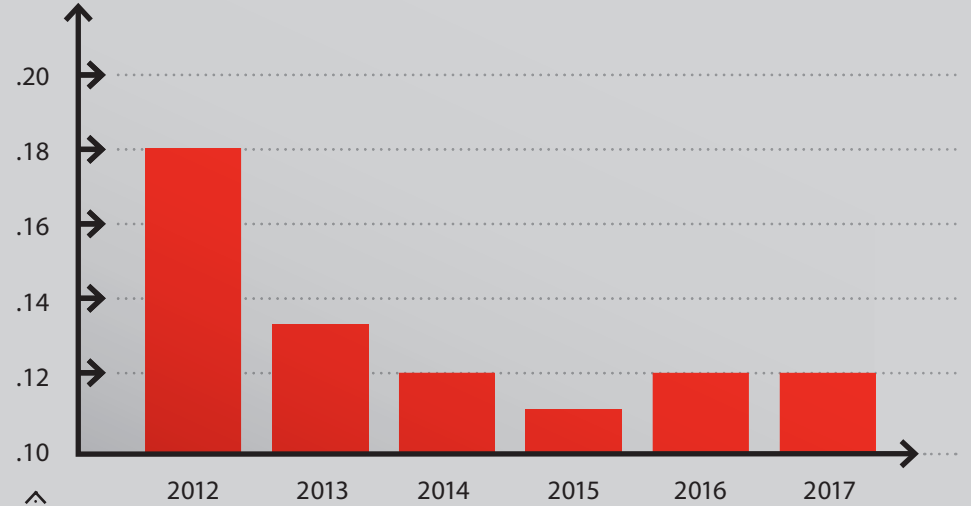
VOC, PM and HAP emissions are controlled and monitored appropriately. These emissions are proportional to the production rate.

- Volatile organic compound (VOC) emissions are not significant, less than 0.1% of the weight of total production.
- Particulate Matter (PM) emissions are not significant, less than 0.01% of the weight of total production.
- Hazardous Air Pollutants (HAP) emissions from the foam insulation board and TPO plants are essentially zero.



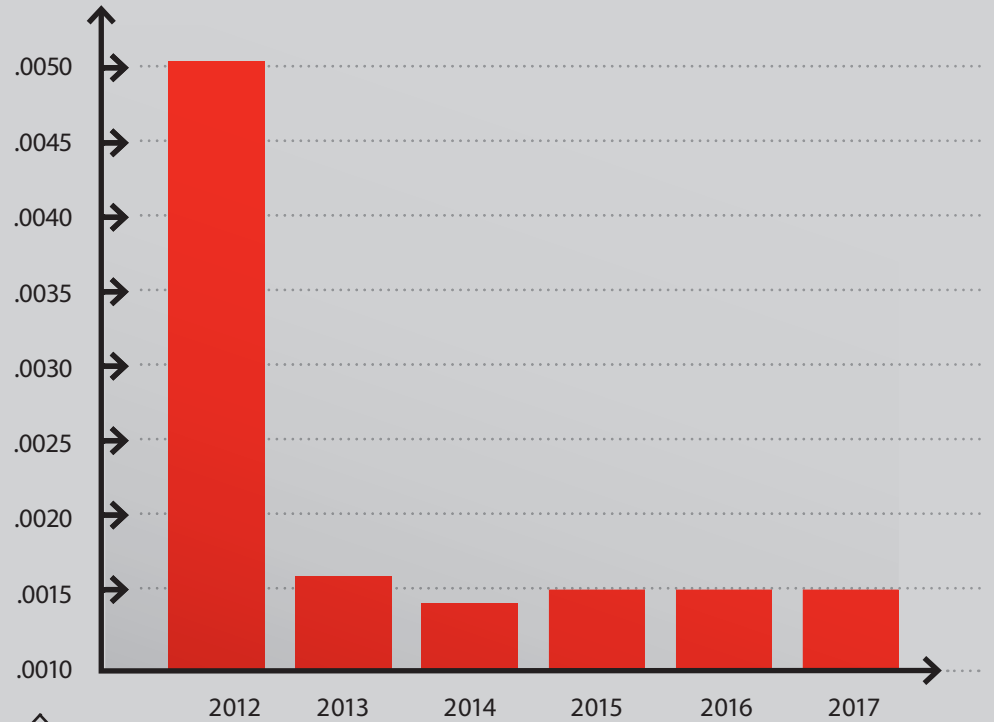
**NO<sub>x</sub>**  
**EMISSIONS**  
PRODUCTION INDEXED

■ MEASURED IN TONNE/TONNE PRODUCT



**SO<sub>2</sub>**  
**EMISSIONS**  
PRODUCTION INDEXED

■ MEASURED IN TONNE/TONNE PRODUCT



\*EXCLUDED: GACO PRODUCTS AND PRODUCTION FACILITY



## ● LAND CONSERVATION

FIRESTONE BUILDING PRODUCTS, AS PART OF THE BRIDGESTONE AMERICAS, HAS ENGAGED IN A VARIETY OF ACTIVITIES WORLDWIDE FOR ECOLOGICAL CONSERVATION, INCLUDING WILDLIFE HABITAT IMPROVEMENT, ACADEMIC RESEARCH AND COMMUNITY EDUCATION. WE HAVE A DEEP COMMITMENT TO PRESERVING AND CONSERVING OUR NATURAL ENVIRONMENTS, ESPECIALLY ON THE LANDS THAT WE OWN AND OPERATE.

### ① BRIDGESTONE FIRESTONE CENTENNIAL WILDERNESS

In April 2000, then Bridgestone chairman and CEO, Masatoshi Ono, donated 6,000 acres to the people of Tennessee to create the Bridgestone Firestone Centennial Wilderness. This land is one of the last, large, untouched wilderness areas east of the Mississippi. We will continue to evaluate opportunities in the future to enhance our efforts in land conservation.

### PRESCOTT, ARKANSAS WILDLIFE HABITAT AREA

- ② Our South Arkansas facility occupies 48 acres of land in the Blackland Prairie region. With the Corporate Green Initiatives, teammates wanted to increase biodiversity on the property and provide a stable, more diverse ecosystem. The Wildlife Team now manages two wildlife habitat areas, approximately two acres each – one is a native grass and wildflower meadow and the other is a nature trail.

### WELLFORD, SOUTH CAROLINA WILDLIFE HABITAT AREA

- ③ Our Wellford, South Carolina site occupies approximately 27 acres in Spartanburg County. 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.





# ● HUMAN RIGHTS & SOCIAL RESPONSIBILITY

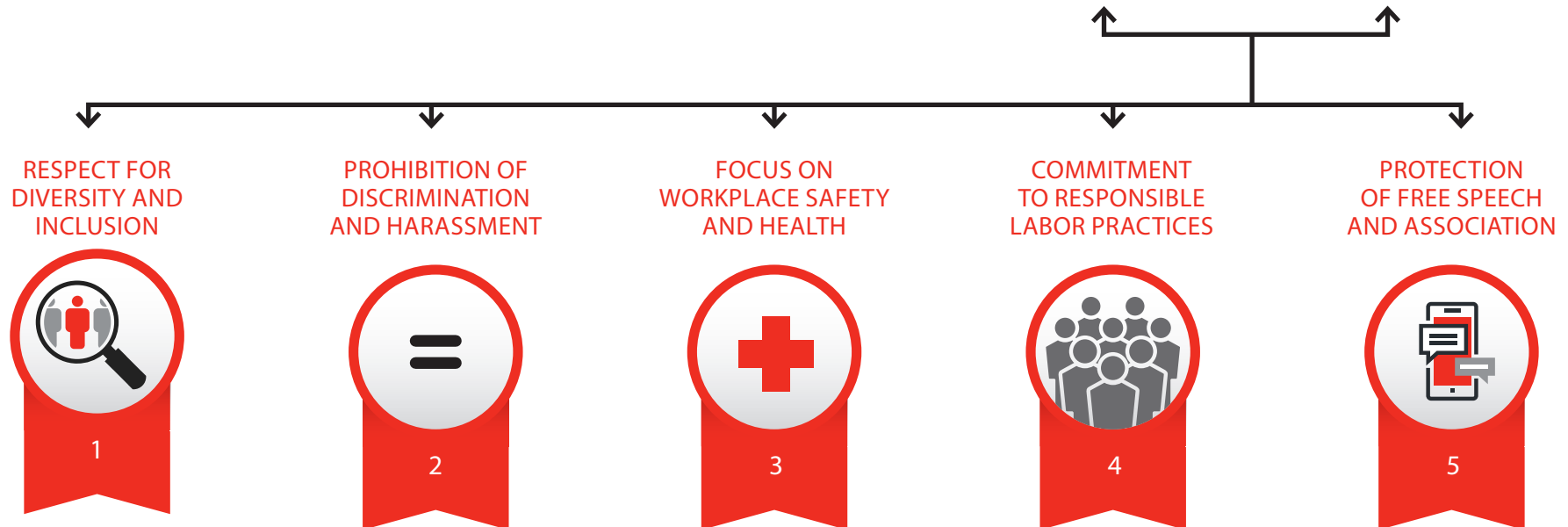
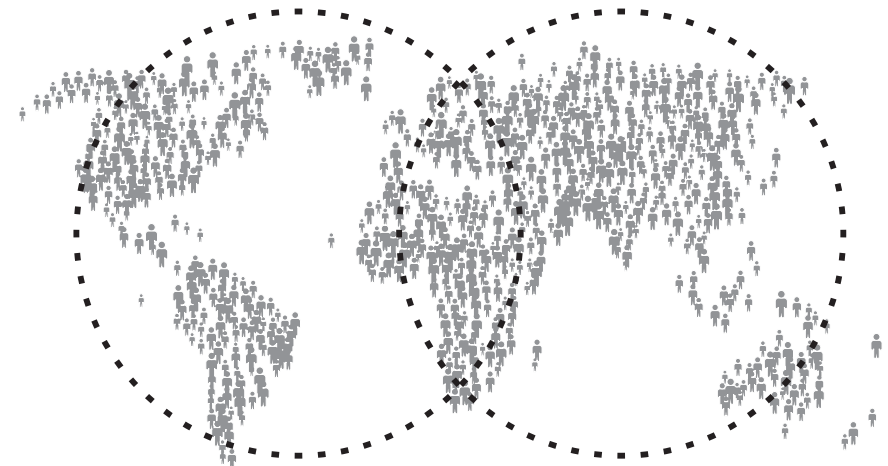
## A GLOBAL STRATEGY FOR HUMAN RIGHTS

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 GLOBAL HUMAN RIGHTS POLICY

The Bridgestone Group is committed to advancing fundamental human rights and responsible labor practices throughout our worldwide operations. We believe this commitment is not only the right thing to do, but also foundational to enhanced job satisfaction and pride for our employees, which is in turn critical to sustainable success for our business. To ensure that we are living up to our commitments, we conduct appropriate training on this policy and exercise due diligence to identify and remediate any adverse impact that any of our operations may have.

Bridgestone respects international norms for human rights, such as the fundamental principles generally reflected in the United Nations Universal Declaration of Human Rights (UDHR), the United Nations Guiding Principles on Business and Human Rights, various International Labor Organization (ILO) Conventions, and other globally recognized standards. These standards help inform Bridgestone's principles and approach on human rights issues.



# GIVING AND COMMUNITIES

## SHARING OUR SUCCESS WITH OUR COMMUNITIES

Firestone Building Products actively strives to improve the communities in which we operate. 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. 100% of our facilities have community engagement plans and requirements, including hosting at least one community “eco activity” per year.

## FINANCIAL GIFTS FOR PRESCOTT AND NEVADA COUNTIES, ARKANSAS

The Firestone Prescott Community Fund was incorporated in 1985 for the teammates of Firestone Building Products. 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 Americas Trust Fund and various other sources. Since its inception, the Firestone Prescott Community Fund has donated nearly \$1 million to nonprofit organizations such as volunteer fire departments, area schools, local hospitals, Make-A-Wish, day care and food share centers, Girl Scouts, and others.



## PARTNERSHIPS AND MEMBERSHIPS

### ARCHITECT, SPECIFIER AND ROOF CONSULTANT ASSOCIATIONS

**American Institute of Architects (AIA)** – Represents the professional interests of America’s architects with more than 80,000 members that include licensed architects, emerging professionals and allied partners.

**Construction Specifications Institute (CSI)** – National association comprised of a cross section of specifiers, architects, engineers, contractors and building materials.

**Roofing Consultants Institute (RCI), Inc.** – An international association of professional consultants, architects, and engineers who specialize in the specification and design of roofing, waterproofing and exterior wall systems.

### CONTRACTOR ASSOCIATIONS

**National Roofing Contractors Association (NRCA)** – One of the construction industry’s oldest trade associations and the voice of professional roofing contractors worldwide.

**Florida Roofing & Sheet Metal and Air Conditioning Contractors Association (FRSA)** – Founded to unite contractors and businesses with related interests, to foster and encourage a high standard of business ethics among its members, and to encourage quality through research, education, and recognition of competence.

**Midwest Roofing Contractors Association (MRCA)** – Association of roofing contractors that have joined together to develop and administer programs and services that help member companies build their business and save money while continually working to improve the roofing industry.

**North/East Roofing Contractors Association (NERCA)** – Regional roofing contractors association covering the northeast United States, including Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont and Delaware.

**Western States Roofing Contractors Association (WSRCA)** – Professional roofing industry organization for the western United States and is committed to serving members and consumers alike.

### MANUFACTURER ASSOCIATIONS

**Asphalt Roofing Manufacturers Association (ARMA)** – Trade association representing the majority of North America’s asphalt roofing manufacturing companies and their raw material suppliers.

**Energy Star® Roof Products Program** – Encourages and promotes the use and availability of Energy Star compliant products to reduce air pollution and mitigate the urban heat island effect.

**EPDM Roofing Association (ERA)** – Formed to provide the construction and roofing industries with current and accurate data documenting the many benefits of EPDM roofing systems.

**Metal Construction Association (MCA)** – An industry-wide vehicle through which members of the metal in construction industry can develop and implement both macro and micro-programs and activities to more widely promote the use of metal in construction.

**Polyiso Insulation Manufacturers Association (PIMA)** – National trade association that represents polyiso insulation manufacturers and suppliers to the polyiso industry.

**Roof Coatings Manufacturers Association (RCMA)** – Represents the manufacturers of cold-applied coatings and cements used for roofing and waterproofing, as well as suppliers of products, equipment, and services.

**Single-Ply Roofing Institute (SPRI)** – Recognized technical and statistical authority on the Single Ply Roofing Industry.





## ● REPORT DETAILS

### GOVERNANCE STRUCTURE

The governance structure for Firestone Building Products Company, 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. Firestone Building Products monitors international product standards and codes and takes action as needed to ensure banned products or substances are not offered for sale. 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 sixth GRI Report published by Firestone Building Products. Our 2012, 2013, and 2014 Reports followed the GRI G3.1 guidelines. The 2015, 2016, and 2017 Reports follow the GRI G4 Guidelines – Core option – and covers the U.S. Manufacturing and Distribution Divisions of Firestone Building Products Company. It is not externally assured but created in partnership with sustainability expert and Vanderbilt University faculty member, Jeff Gowdy. Since the publication of the 2016 Report, no mergers, change of base year, nature of business, or measurement methods occurred. One acquisition occurred in early 2017, when Firestone acquired Gaco Western, a leader in innovative silicone roofing systems and provider of top-tier waterproofing and spray foam insulation solutions for a variety of commercial and residential applications. No restatements have been made from previous reports. 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 the CEO. This team identified the following groups as relevant stakeholders: Specifiers, Building Owners, Architects, Teammates and Suppliers, all of whom are engaged on a weekly, if not daily, basis regarding sustainability issues. The metrics and topics selected for inclusion in this report were the ones deemed of the highest materiality, i.e. the ones with direct financial, social, and environmental impact, to our stakeholders. However, no specific engagement with external stakeholders was undertaken as part of the report preparation process. Representatives from the preceding groups assisted in providing information for the 2017 G4 report.

The statement on pages 11 and 14, positioning FSBP's waste per tonnes product as being among the best and most efficient of manufacturers, is attributable to research performed by Jeff Gowdy, Project Manager for PivotGoals.com, the global Fortune 500's publicly available sustainability goals and an Adjunct Professor of Management at Vanderbilt University's Owen Graduate School of Management.

This report covers our fiscal 2017 year, which corresponds to the calendar year. 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 Robert Foster at [FosterRobert@bfusa.com](mailto:FosterRobert@bfusa.com).

### MATERIAL ASPECTS

Per the definition provided by GRI for material Aspects, the following G4 Aspects were identified as material, in the process for defining this Report: Economic Performance, Indirect Economic Impacts, Procurement Practices, Materials, Energy, Water, Biodiversity, Emissions, Effluents and Waste, Products and Services, Compliance, Environmental Grievance Mechanisms, Employment, Occupational Health and Safety, Labor Practices Grievance Mechanisms, Non-Discrimination, Local Communities, Anti-Corruption, Anti-Competitive Behavior, Customer Health and Safety, Product and Service Labeling, Marketing Communications, and Customer Privacy. Every Aspect is material within the organization, per the GRI definition of materiality and there are no specific limitations regarding the Aspect Boundary within our organization. Every Aspect is also material outside of our organization across our key stakeholder groups: Specifiers, Building Owners, Architects, Suppliers, and Communities Where We Work. As these stakeholders operate across the globe in millions of locations, it is not feasible to specifically describe the geographical location of each Aspect across the stakeholders.





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# Firestone

FIRESTONE BUILDING PRODUCTS COMPANY, LLC

CORPORATE HEADQUARTERS

200 4TH AVENUE SOUTH

NASHVILLE, TN 37201

(800) 428-4442

FIRESTONEBPCO.COM



*FIRESTONEBUILDINGPRODUCTS*



*@FIRESTONEBPCO*

