



2019 PROGRESS ON 2020 SUSTAINABILITY GOALS

2020 ENVIRONMENTAL FOOTPRINT REDUCTION GOALS

SDG Target Linkage

Primary Energy

2020 Goal: Reduce primary energy intensity by 20% from the 2010 baseline

2019 Progress: 29% intensity reduction



Consumed Energy

2019 Progress: 19% intensity reduction



Greenhouse Gas Emissions

2020 Goal: Reduce greenhouse gas emissions intensity by 50% from the 2010 baseline

2019 Progress: 49% intensity reduction



Fine Particulate Matter (PM2.5)

2020 Goal: Reduce PM2.5 emissions intensity by 15% from the 2010 baseline

2019 Progress: 34% intensity reduction



Toxic Air Emissions (TAE)

Combination of hexavalent chromium, formaldehyde, manganese, polycyclic aromatic compounds and ammonia emissions

2020 Goal: Reduce TAE intensity by 75% by 2020 from the 2010 baseline

2019 Progress: 41% absolute reduction in TAE, 54% reduction in toxic air intensity



2020 ENVIRONMENTAL FOOTPRINT REDUCTION GOALS

SDG Target Linkage

Waste to Landfill

2020 Goal: Reduce waste to landfill intensity by 70% from the 2010 baseline

2019 Progress: 18% intensity reduction



Water Consumption

2020 Goal: Reduce water intensity by 35% from the 2010 baseline

2019 Progress: 41% intensity reduction



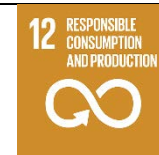
PRODUCT SUSTAINABILITY

SDG Target Linkage

Priority: Implement continuous improvements

Goal/KPI: Our products will be preferred for applications in sustainable projects and we will not be deselected from projects due to product attributes not meeting sustainable program criteria.

2019 Progress: In 2019, Owens Corning presented innovations across all three of our business.



Roofing

- Duration FLEX® is the only modified-asphalt shingle with SureNail® Technology, with nearly 1.5x the nail-pull strength and 10% better tear strength than standard shingles. It also features improved granule adhesion and meets the highest impact resistance rating. In 2019, we expanded manufacturing production to an additional facility.
- We introduced eight new shingle colors with a minimum solar reflective index of 20. The new colors provide options for darker colors and higher solar reflectivity with the potential for cooling cost savings.

Insulation

- We expanded our portfolio of Thermafiber® mineral wool, which features patent-pending technology that enables lighter-weight products to deliver mechanical performance exceeding that of higher-weight/higher-density

products. Reduced shipping weight saves fuel, and the lighter product is easier for contractors to handle safely.

Composites

- We launched a new low-odor long-fiber thermoplastic that can be used for many auto parts, including the seat components, the floor, the instrument panel, and more. The new composite minimizes the emission of volatile organic compounds and reduces odor.

Priority: Create pipeline of sustainable products, and increase the value through sustainability in the innovation process by 2020

Goal/KPI: We are committed to evaluating each of our innovation programs for their net sustainability gains or losses vs. existing products, measuring the results through our sustainability mapping tool. By 2020, we have committed that 85% of our new products and 85% of our new applications will have net sustainability gains.



2019 Progress: In 2019, 71% of new products have shown net sustainability gains, 87% of new processes have shown net sustainability gains, and 67% of new applications have shown net sustainability gains. Throughout this tiered process, we measure and verify a product's composition and development at key points, according to desired safety, performance, and sustainability attributes.

SUPPLY CHAIN SUSTAINABILITY

SDG Target Linkage

Priority: Set clear expectations for sustainability progress by our suppliers

Goal/KPI: 100% of suppliers in compliance with our Supplier Code of Conduct annually



2019 Progress: According to our survey results, more than 95% of Owens Corning suppliers are able and willing to comply with all aspects of our Supplier Code of Conduct. Those that could not say they comply are listed as high risk and follow-up management is in place.

Owens Corning also surveys suppliers about their sustainability and safety policies and goals. In 2019, we found that 96% of suppliers have organizational goals and policies for safety (up from 83% in 2018), and 83% have organizational goals and policies related to sustainability. Many of the companies report on their goals and policies internally and externally, and some

publish their data at least annually. The survey data are used in a variety of ways:

- Learn what companies are doing, including where they are strong and where they may need support.
- Highlight areas that need additional attention and follow-up. For example, not answering a question was treated the same as a negative response, which triggered direct follow-up.
- Identify best practices and leading companies that should be considered for an Owens Corning supplier award.

Priority: Use leading-edge sourcing practices

2019 Progress: Our total base of suppliers consists of more than 17,500 organizations with an approximately \$5.0 billion spend. 1,273 suppliers comprise 80% of that spend. We have active management processes in place to evaluate, segment, and engage with all top-spend suppliers. We determine appropriate action items related to each supplier based on the supplier's specific profile.



We utilize an industry standard process for corrective actions with our suppliers. This includes a short-term action and containment plan, root cause analysis, identification and verification of long-term corrective actions, implementation of long-term corrective action, and final verification and sign-off by stakeholders. We typically deliver our written request for corrective action during supplier assessments and at receipt of nonconforming material. In addition, we may also ask suppliers to provide additional inspection data with shipment showing actual measurements for critical characteristics, and sign-offs of management at supplier locations.

Priority: Measure and disclose performance

2019 Progress: In 2019, Owens Corning contracted with a specialist in the field of sustainability analysis, survey creation and implementation, and responsible supply chain management. This led to development of a new sustainability assessment that gives us detailed insight to our supplier's practices and any deficiencies. Our survey mapped to ESG risk categories and specific topic areas within the survey included code of conduct, both Owens Corning and supplier, sustainability policies and goals, environmental management system, health and safety policies and goals, assess policies and practices and raw material.



Historically, this survey was sent to all suppliers regardless of classification. In 2019, to focus on our key suppliers, the assessment was only sent to those classified as Collaborative, Critical, or Bottleneck.

More than 95% of Owens Corning suppliers are able and willing to comply with all aspects of our supplier code of conduct. This was one of the key findings in 2018 from our annual supplier sustainability survey. Additional results are:

- We found that 96% of suppliers have organizational goals and policies for safety.
- Additionally, 83% of those surveyed have goals for sustainability. Many of the companies report on their goals and policies internally and externally, and some publish their data at least annually.
- 85% of suppliers surveyed in 2018 have policies explicitly prohibiting forced or child labor.

100% of new suppliers were screened using environmental and social criteria (e.g., human rights and labor practices) in line with the supplier code of conduct. Screening includes review of suppliers' self-evaluation data or review by an Owens Corning commodity leader. As part of our new supplier screenings, we screen for any global or governmental sanctions using the Thomson Reuters World-Check system.

Priority: Expand our training on sustainability to meet the needs of our global sourcing organization

Goal/KPI: 100% of our global sourcing organization will be trained on sustainability through OC Sourcing Way, developed in 2015, and will be required to recertify annually thereafter on practices and expectations.



2019 Progress: The Owens Corning Sourcing Way was written to standardize the process of creating strategies in global sourcing and provides in-depth information on key sustainability categories. When we rolled it out in 2017, all Owens Corning commodity leaders, globally, were trained using this standard. We continue to use it to train new employees in our sourcing organization on understanding the business and key requirements, developing and implementing sourcing strategy, and managing suppliers.

Within Owens Corning, the person responsible for a category of supplier (e.g., chemicals, cullet) establishes category strategies based upon the output of the segmentation tool, business objectives, and market forecast. The strategies may focus on creating dual sources, risk mitigation, innovation or cost savings initiative for the business. In our continuing efforts to reduce risk and bring top value in our supply chain, we have recently implemented global sourcing bi-annual category reviews for most Collaborative and Critical suppliers.

These reviews ensure that appropriate paperwork is in place for suppliers when developing strategies prior to presenting to management. To ensure that all global sourcing team members are kept up-to-date with the latest information on shared suppliers, such as evaluations, sustainability surveys, segmentation, and risk mitigation plans, we have established a collaborative internal website.

Priority: Enhance our transportation efficiency

Goal/KPI: Convert 12% of transportation miles to natural gas or use alternative fuel savings methods by the year 2020.

2019 Progress: We have maintained our goal of converting 12% of North American transportation miles from diesel fuel to natural gas by 2020, but due to several factors, we did not make significant progress against this goal in 2019. First, the reduced cost of diesel over the last four years has stalled the conversion to natural gas power, as the ROI on equipment conversions has not been favorable for carriers. Second, economic growth and market demand have made it difficult for Owens Corning to make the conversion from truck to intermodal equipment. Lastly, the capacity of intermodal equipment in our heaviest conversion lanes has been below our level of demand.

We are optimistic about the prospect of a shift toward electric fleets in transportation. So far, it is clear the demand for electric vehicles is far outpacing the supply, but we expect that in the next few years, the shift will be well on its way.



BUILDING SCIENCE

SDG Target Linkage

Priority: Drive net-zero energy building capabilities through building science

Building Science has been a key element in driving our product sustainability. Through sustained partnerships with customers, specifiers, architects, and builders, we hope to drive net-zero energy building capabilities, thereby achieving no net carbon releases. We also aim to expand our building science expertise to educate the building industry, engineers, contractors, and homeowners on safe and efficient building materials.

Goal/KPI: Increase the number of Owens Corning supported net-zero ready buildings year-over-year vs. 2015 baseline of 35.

2019 Progress: In 2015, we set a goal to increase the number of NZE buildings we support year-over-year, compared to a 2015 baseline of 35 buildings. Through strategic partnerships with several homebuilders, we were supporting more than 400 such homes in 2018. As we developed our 2030 goals, we reevaluated our work in this area, and going forward we will not set a specific target. We continue to work closely with organizations and contractors who are driving progress in this area.



SAFETY

SDG Target Linkage

We are committed to our company value of Living Safely – both at work and at home.

Goal/KPI: Our safety aspiration is to have a workplace that is free from any injury or illness with our highest focus being on the prevention of Serious Injuries and Fatalities (SIF), which we have defined as injuries that are permanently life altering or life threatening. We have started to deploy metrics to measure our progress on eliminating SIF, but we continue to utilize recordable injury rate (RIR) to monitor year over year improvement. RIR is a ratio of injuries to employee hours worked. Ultimately, what matters is that we are continuously striving to build a workplace that is safe and free of hazardous conditions.



2019 Progress: Our recordable incident rate in 2019 was .65 (number of injuries X 200,000 / total man-hours). While this is above our target of <.52, it is 78% below the industry average, as reported by the U.S. Bureau of Labor Statistics for 2018 (the most recent data available). In addition, 49% of our global facilities were injury-free in 2019. The severity of our incidents, measured by our lost-time injury frequency rate was 1.72 (lost workday cases x 1,000,000/total man-hours).

All incidents, including recordable injuries, first-aid treatments, and near-miss events, are subject to a detailed root-cause analysis in consultation with an occupational health and safety specialist, and the "lessons learned" are shared throughout the organization. The affected employee is encouraged to participate in both the incident investigation and the review process. As a company, we have developed an objective to deliver all projects with zero incidents and a significant reduction in our RIR. We strive for consistent reporting across all facilities to highlight lessons learned from every incident."

EMPLOYEE DEVELOPMENT

SDG Target Linkage

We are committed to our employee's development and are committed to lifelong learning to help them reach their full potential.

Goal/KPI: We have committed to an average of 20 hours of training for our primary workforce and 10 hours of training for our non-primary (salaried) workforce, per employee, beyond basic compliance training.

2019 Progress: We recorded an average of 15 training hours in our learning management system. Not all our learning and development is tracked in the system, as employees have access to a wide range of informal opportunities.



External training is encouraged for career development and is also not included in the LMS training hours.

COMMUNITY IMPACT

Priority: Safe and Efficient Housing - Advancing Safe & Efficient Housing in Our Communities

Goal/KPI: Increase customer satisfaction and our Net Promoter Score (NPS) through 2022.

SDG Target Linkage

2019 Progress: We collected feedback from more than 1,000 respondents, representing a sample of our distinct customer types, contractors, and locations. The survey allows us to measure overall satisfaction and the Net Promoter Score (NPS) as well as to go into more detail across customer touch points to help drive specific improvements. In 2019, the NPS score was 44 for the company, based on an index ranging from -100 to 100.



Social/Environmental Benefit KPI: Increase the number of people benefiting from access to safe and efficient housing in our communities through 2022.

Social/Environmental Benefit KPI Progress: Owens Corning understands that for a variety of reasons some members of our communities find themselves unable to obtain safe and efficient housing and shelter. As a leading global producer of residential and commercial building materials we have the opportunity and expertise to aid in the effort to provide safe and efficient housing and shelter for those who are unable to obtain housing through traditional methods.

By combining our philanthropic activity and volunteerism with our unceasing effort to develop cost effective housing solutions, we are able to enhance access to safe housing and shelter for those members of our communities. Our philanthropic focus on housing and shelter aligns with each of our three identified business drivers. For example, in partnership with Habitat for Humanity, Owens Corning can donate building materials, provide financial support through the OC Foundation, and leverage employee volunteerism to provide safe and energy efficient housing for those in need in our communities.

Owens Corning has also been able to leverage key business stakeholder relationships by engaging its network of roofing contractors to benefit those in need.

Owens Corning measures the results and impact of each project through items such as the number of builds or renovations in our communities, the number homes that have been re-shingled or insulated through product donation, and the number of volunteer projects completed by our contractors. Through our partnership with Habitat for Humanity, Owens Corning helped to complete 28 home builds or renovations in 2019 in the United States, Canada, Singapore, and China. Through our Roof Deployment Program, 63 veterans in need received new roofs in 2019 compared to 52 in 2018, an increase of 21%. To date, 172 veterans have benefited from the program. Through product donation to

Habitat for Humanity, World Vision and other charities in 2019, Owens Corning provided enough material to reroof 718 homes and insulate 184 homes for people in need.

Key Charitable Partners in 2018 were:

- *The Gary Sinise Foundation (U.S.)*
- *Habitat for Humanity China (China)*
- *Habitat for Humanity International (Global)*
- *World Vision (Global)*

Priority: Good Health & Well-being - Foster and Promote Health in Our Communities

Goal/KPI: Increase employee engagement and connection to company. 100% of our facilities engaged by 2022 through community projects

SDG Target Linkage

2019 Progress:

Through our company-sponsored community outreach, 8,401 Owens Corning employees volunteered in 2019, up 17.8% from 7,132 in 2018. They devoted 31,152 hours of volunteer time, an increase of 14.1% from the 27,305 hours in 2018. The work is valued at \$25.43 per hour, totaling \$792,204. Our facility engagement was 77%, and volunteerism overall is up. Individuals are spending more time in company-sponsored outreach, and we expanded our volunteer activities in three new countries: Singapore, Lithuania, and Chile.



Social/Environmental Benefit KPI: Increase the number of people benefiting from access to basic health and wellness in our communities through 2022

Social/Environmental Benefit KPI Progress: In our most challenged communities, providing the less fortunate with access to basic health and wellness aligns with two of our business drivers by connecting us with our people and further improving our reputation locally, regionally, and globally and instilling a sense of pride in our workforce. This focus also allows us to go into new communities where our company is expanding, and make immediate positive impact.

Approximately 2,700 individuals were provided basic health care, and 2,450 immunizations were given to children in villages near Owens Corning facilities. In addition, 280 students participated in Owens Corning-sponsored sports events to promote health and wellness, and 120 attended programs promoting environmental and safety awareness. This work was supported by more than 1,140 employee volunteer hours.

2019 Highlights include:

- Several Paroc plants began engaging in community outreach. In Lithuania, employees at our stone woolplant participated in the first Owens Corning-sponsored community event. They supported food bank Maisto Bankas, an entity that distributes donated food to nonprofit organizations serving a range of socially vulnerable populations – low-income families and individuals, the unemployed, at-risk families, low-income disabled or elderly people, large or single-parent families, the homeless, and others.
- In France, Owens Corning contributes to support the Cantine Savoyarde Solidarité in Chambéry. The organization provides meals for people in need, mostly the homeless and refugees making

their way from Italy. Our team of employee volunteers has served meals there every Thursday since 2017. In 2019, the Owens Corning Foundation provided the funds for an electrical upgrade to the building and for the purchase of two new industrial-size coolers for food storage.

- We based our community efforts in India on a very thorough study of the villages conducted by United Way Mumbai. The report found that the most urgent needs were the lack of health, education, and safe-water drinking facilities in the villages. This led Owens Corning to set up clean water and sanitation stations, benefiting 1,457 migrant children attending six different schools located around our plants. For girls reaching puberty, the addition of bathrooms goes beyond meeting basic sanitation needs. Those facilities make it possible for them to remain in school and continue their education, increasing their chances for an independent and successful life as adults.

Key Charitable Partners in 2018 were:

- *World Vision (Global)*
- *Cantine Savoyarde Solidarité (France)*
- *United Way Mumbai (India)*
- *Maisto Bankas (Lithuania)*

Priority: Educational Opportunity - Drive Access to Education in Our Communities

Goal/KPI: Increase employee engagement and connection to company. 100% of our facilities engaged by 2022 through community projects.

SDG Target Linkage

2019 Progress:

Through our company-sponsored community outreach, 8,401 Owens Corning employees volunteered in 2019, up 17.8% from 7,132 in 2018. They devoted 31,152 hours of volunteer time, an increase of 14.1% from the 27,305 hours in 2018. The work is valued at \$25.43 per hour, totaling \$792,204. Our facility engagement was 77%, and volunteerism overall is up. Individuals are spending more time in company-sponsored outreach, and we expanded our volunteer activities in three new countries: Singapore, Lithuania, and Chile.



Social/Environmental Benefit KPI: Increase the number of people benefiting from promoting educational opportunities in our communities through 2022.

Social/Environmental Benefit Progress:

In our most challenged communities, providing the less fortunate with access to basic educational opportunity aligns with two of our identified business drivers by connecting us w/the community, further improving our reputation and instilling workforce pride. This also allows us to enter new communities and make a positive impact. Nearly all this activity is guided by the interest and efforts of our employee volunteers.

In 2019, Owens Corning provided 308 children with non-formal educational opportunities to help them catch up with their peers in math and other subjects. The company also provided classroom computers to 810 students along with 81 scholarships, encouraging families to keep children in school. In addition, volunteers from local Owens Corning facilities provided English lessons, mentoring, and safety awareness sessions for students.

Key Highlights from 2019 include:

- Owens Corning opened a new computer classroom for migrant children in Suzhou, China, bringing the total number of classrooms to five and serving more than 4,800 children in need. Through this program, many children have their first access to computers and the internet and teachers receive training to help the children learn through modern technology. Owens Corning's charitable partner in this work is NetSpring Green IT. NetSpring collect and rehabilitates obsolete computers from companies and universities for use in migrant schools. After three years, the computers are collected and dismantled in certified factories to protect the environment.
- Owens Corning has supported the Chase STEMM Academy for 17 years. One hundred percent of the students at Chase come from low-income families and many parents often work two jobs, leaving them with little time to help their children. They appreciate the difference mentors can make in their children's lives. Currently, 35 Owens Corning employees mentor students at the Chase Academy. Each year our company also provides, in collaboration with United Way, 700 backpacks filled with school supplies, 60 teacher kits, and 1,000 hygiene kits to students and teachers at the Chase STEMM Academy and the Pickett Academy, another Toledo-area school supported by Owens Corning.
- In 2019, \$197,900 in scholarships awarded to Owens Corning employees and their dependents.

Key Charitable Partners for this area in 2019 were:

- *NetSpring Green IT (China)*
- *Toledo Public Schools (U.S.)*

The full Owens Corning 2019 Sustainability Report is available at
<http://www.owenscorning.com/corporate/sustainability>