



2019



CARBON



WATER



MATERIALS



BIODIVERSITY

ELIMINATING WASTE

Waste (both hazardous and non-hazardous) generated by our North American facilities totaled 812.5 million pounds in calendar year 2018. Only 1.6 percent was sent to landfills for disposal. (For certain waste streams, landfill disposal is required by law.) We recycled, reused or composted 93 percent and sent 5.4 percent to waste-to-energy, fuels blending or incineration facilities.

We continue to focus on recycling both production and office waste. Many of our plants, including our assembly plant in Indiana, as well as our new corporate headquarters in Plano, Texas, are updating their recycling programs to capture even more streams for recycling and composting, and to make it easier for team members to know what can and can't be recycled. Our aluminum casting plant in Troy, Missouri, has switched from segregation to single-stream recycling stations, which greatly reduces the risk of recycling streams becoming contaminated with trash.

Examples of projects that minimize waste include the following:

- During the past two years, eight of Toyota's U.S. parts distribution centers have been using Shark Solutions to recycle 117,000 pounds of broken windshields that are damaged in our supply chain. Shark is the only recycler we've found to find a valuable use for the safety film, made of polyvinyl butyral (PVB), in the windshield. Typically, the glass is separated from the film and the film is disposed. Now, both the film and the glass are recycled: The safety film is used in carpet backing and other products, while the glass is usually turned into insulation. Shark Solutions has been selected to be part of the SDG Accelerator, a United Nations program funded by the Danish Industry Foundation and implemented in partnership with Monitor Deloitte, aimed at accelerating business solutions that address the challenges embedded in the Sustainable Development Goals (SDGs). As part of the SDG Accelerator, Shark Solutions is working to establish a larger sustainable sourcing model to collect broken windshields. The company continues to expand in the Americas and Europe, with an additional focus on markets in India, China, South Korea, Japan and Thailand.
- Toyota Motor Manufacturing Kentucky (TMMK) eliminated three waste streams:
 1. 7,900 headliners are no longer incinerated per year because team members improved the installation process and eliminated defects.



Toyota's Canadian assembly plant in Cambridge, Ontario, developed a new cleaning agent to clean the robots in the paint booth between colors. The new solvent/water mix uses 43,000 liters (11,300 gallons) less solvent than the previous version and reduces the number of bumpers that need to be recycled in half.

For more details, please see the story [here](#).