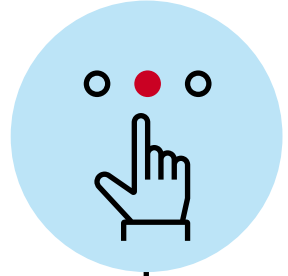


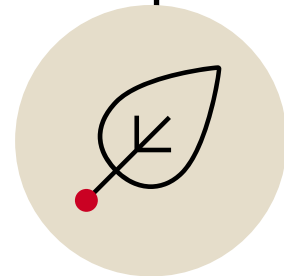
# Pursuing Zero Waste to Landfill for Manufacturing



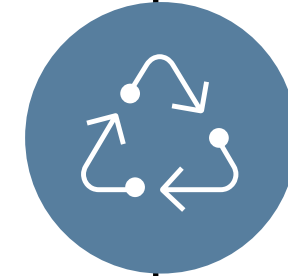
**01 What is a waste diversion program?**  
A waste diversion program focuses on monitoring and measuring material flows that are not part of an organization's final product.

**02 Why is it important?**  
Businesses are looking to reduce their risk as it relates to waste. Sustainable waste management has become crucial for sustainability pursuing businesses and their stakeholders because these practices directly benefit local economies, global society, and the environment.

**04 Our solution**  
Our Zero Waste to Landfill and Landfill Waste Diversion claim validations help companies that handle waste in environmentally responsible and innovative ways.



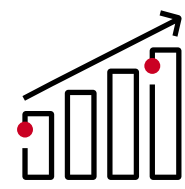
**03 Validating your waste diversion efforts**  
It is important for these initiatives to be validated by an independent third party such as UL Solutions to avoid being branded as greenwashing, the making of false or misleading claims about your waste reduction policies.



**05 Why is waste an issue?**

**32.1%**

According to U.S. EPA recycling and composting rate.

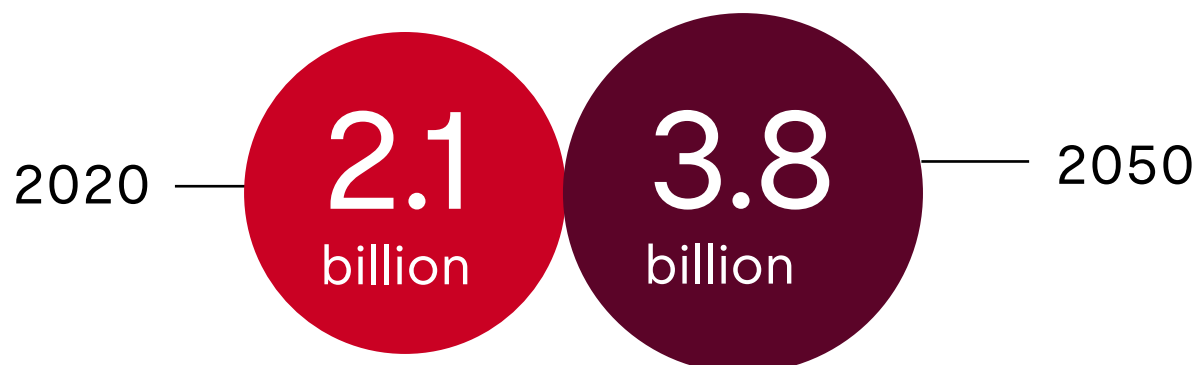


**More than 2 billion**

Every year across the globe tons of municipal solid waste (MSW) is generated.

**US \$361 billion** in 2020

Was the true global annual cost of municipal solid waste, if the direct and hidden costs of waste and the benefits of recycling are considered together.

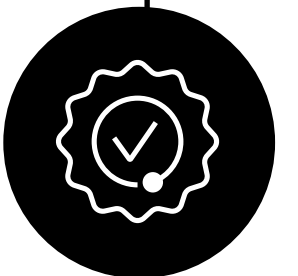


Between 2020 and 2050 municipal solid waste generation per year is projected to have a 56% increase within a generation or less.

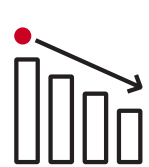
Global Waste Management Outlook 2024 by United Nations Environment Program - <https://www.unep.org/resources/global-waste-management-outlook-2024>

**06 UL Zero Waste to Landfill Validation**  
Based on UL 2799, the Environmental Claim Validation Procedure for Zero Waste to Landfill, UL Solutions program requires each facility of an organization to prove **at least 90%** diversion through methods other than waste to energy for that facility to achieve Zero Waste to Landfill (ZWTL) designations.

Designation	Diversion rate (including WtE)
Certified landfill diversion rate	>80%
Zero waste to landfill silver	90%-94%
Zero waste to landfill gold	95%-99%
Zero waste to landfill platinum	100%



**07 Benefits of zero waste**  
The benefits of operating a zero- or low-waste facility include:



Reduced costs associated with disposal of waste



Reduced reliance on limited landfill space



Being an environmentally responsible corporate citizen



Reduced scope 3 greenhouse gas emissions