

2021 Environmental Social, and Governance Results

Indicator	Baseline	2019	2020	2021
Americas	-	50%	49%	54%
Asia	-	12%	11%	10%
Europe	-	38%	40%	36%
Totals		2,472	1,995	1,721
Environment, Health, and Safety Programs				
Injury & Illness Total Recordable Rate (1)		.7	.7*	.8
Restricted Duty Rate (2)		.0*	.2*	.1
Lost Days Rate (3)		.4	.4*	.4
Fatalities	-	0	0	0
Contractor Fatalities	-	0	0	0
Scope 2 GHG Emissions (4)				
Total Scope 2 GHG from Gas (t CO2e)	-	-	1,413	1,576
Total Scope 2 GHG from Electricity (t CO2e)	-	-	5,295	5,119
Total Scope 2 GHG Emissions	-	-	6,708	6,695
Energy Use (5, 6)				
Total Electricity (MWh)	-	-	15,884	15,179
Total Natural Gas (MWh)	-	-	6,243	6,963
Total Non-Renewable Energy (MWh)	-	-	22,127	22,142
Waste and Recycling (7)				
Business Waste Recycling Americas (lbs.)	-	-	-	147,373
Business Waste Recycling Europe (lbs.)				216,081
Total All Business Waste Recycling (lbs.)				363,454
Production Waste Recycling Americas (lbs.)		-	-	8,756
Production Waste Recycling Europe (lbs.)				42,176
Total All Production Waste Recycling (lbs.)		-	-	50,932
Electronics Waste Recycling Americas (lbs.)				16,249
Electronics Waste Europe (lbs.)				2,352
Total All Electronics Waste Recycling (lbs.)	-	-	12,393*	18,601
Total All Waste Recycling (lbs.)		458,911*	468,552*	432,987
Non-Hazardous Waste Americas (lbs.)				364,371
Non-Hazardous Waste Europe (lbs.)				135,377
Total Non-Hazardous Waste (lbs.)	-	-	-	499,748
Hazardous Waste Americas (lbs.)				17,608
Hazardous Waste Europe (lbs.)				369,760
Total Hazardous Waste (lbs.)	-	-	202,649	387,368

*Difference in number from prior public iterations due to 2022 Internal Audit review and validation of data.

All data based on actuals or estimates through calendar year end unless otherwise noted.

1. OSHA (Occupational Safety and Health Administration) defines a recordable incident (i.e. recordable injury and illness) as 1) any work-related fatality, 2) any work-related injury or illness that results in loss of consciousness, days away from work, restricted work, or transfer to another job, 3) any work-related injury or illness requiring medical treatment beyond first aid, or 4) any work-related diagnosed case of cancer, chronic irreversible diseases, fractured or cracked bones or teeth, and punctured eardrums. Total Recordable Incident Rate (TRIR) = # of injuries & illnesses x 200,000/# of hours worked by all employees. Average U.S. Bureau of Labor Statistics Injuries, Illnesses, and Fatalities recordable incident rate for additive manufacturing is 3.1.
2. Restricted Duty Rate = # of restricted duty cases x 200,000/# of hours worked by all employees. Average U.S. Bureau of Labor Statistics Injuries, Illnesses, and Fatalities restricted duty incident rate for additive manufacturing is 0.7.

3. Lost Days Rate = # of lost time cases x 200,000/# of hours worked by all employees. Average U.S. Bureau of Labor Statistics Injuries, Illnesses, and Fatalities lost time days incident rate for additive manufacturing is 0.9.
4. 3D Systems applied the EPA's Emission & Generation Resource Integrated Database (eGRID) and International Energy Agency emissions factors to calculate scope 2 GHG emissions from electricity usage.
5. GHG emission data is calculated based on 70% of our populated sites. In rare instances where data was unable to be obtained, a monthly estimate based on that site's annual output was used.
6. One location that represents less than 5% of our populated sites reported did not have natural gas data available.
7. Waste data is captured based on 70% of our populated sites where data is available, and by type of waste produced at each particular location.