

SUSTAINABILITY REPORTING

ESG Data



Environmental Sustainability Data

Consolidated year-over-year data.

PRODUCTION ACTIVITIES	UNIT OF MEASURE	2019	2020	2021	2022
Crude Steel Production From Basic Oxygen Furnace	Percentage (%)	0	0	0	0
Crude Steel Production From Electric Arc Furnaces	Percentage (%)	100	100	100	100
GREENHOUSE GAS EMISSIONS	UNIT OF MEASURE	2019	2020	2021	2022
Global Scope 1 Emissions ¹	Metric Tons (t) CO ₂ e	299,000	224,448	288,023	298,343
Global Scope 2 Emissions ¹	Metric Tons (t) CO ₂ e	51,000	27,000	31,000	26,000
Global Scope 1 & Scope 2 Emissions	Metric Tons (t) CO ₂ e	350,000	251,448	319,023	324,343
CO ₂ Emissions Intensity	Metric Tons (t) CO ₂ e / Metric Tons (t) shipped	2.9	2.8	4.0	3.1
Crude Steel CO ₂ Emissions Intensity	Metric Tons (t) CO ₂ e	0.24	0.21	0.20	0.19
AIR EMISSIONS	UNIT OF MEASURE	2019	2020	2021	2022
CO	Metric Tons (t)	432	359	409	454
Nox (excluding N ₂ O)	Metric Tons (t)	341	278	283	311
Sox	Metric Tons (t)	18	15	17	19
PM ₁₀	Metric Tons (t)	68	55	67	77
MnO	Metric Tons (t)	0.7	0.5	0.8	0.9
Lead	Metric Tons (t)	0	0	0	0
VOCs	Metric Tons (t)	58	54	66	68
PAHs	Metric Tons (t)	0.01	0.01	0.01	0.01

ENERGY MANAGEMENT	UNIT OF MEASURE	2019	2020	2021	2022
Total Energy Consumed	Gigajoules (GJ)	8,198,267	6,486,626	7,611,695	7,940,185
Grid Electricity	Gigajoules (GJ)	2,697,230	2,075,720	2,131,275	2,302,654
Percentage Carbon Neutral (Nuclear, Renewable)	Percentage (%)	90	90	90	90
Total Fuel Consumed	Gigajoules (GJ)	5,489,661.16	4,434,833	5,454,040	5,635,123
Percentage Coal	Percentage (%)	0	0	0	0
Percentage Natural Gas	Percentage (%)	98	98	99	99
Percentage Renewable	Percentage (%)	0	0	0	0
WATER MANAGEMENT	UNIT OF MEASURE	2019	2020	2021	2022
Total Fresh Water Withdrawn	Thousand Cubic Meters (m ³)	1,997	2,810	2,643	2,774
Well Water Use ²	Million Cubic Meters (million m ³)	—	1.4	1.0	0.9
Public Water Use ²	Million Cubic Meters (million m ³)	—	0.6	1.7	1.7
Total Water Use ²	Million Cubic Meters (million m ³)	—	2.0	2.6	2.6
Total Water Discharged ²	Million Cubic Meters (million m ³)	—	1.7	1.9	1.9
Percentage Water Recycled	Percentage (%)	0	0	0	0
Percentage in Regions With High or Extremely High Baseline Water Stress	Percentage (%)	0.05	0.03	0.03	0.03
WASTE MANAGEMENT	UNIT OF MEASURE	2019	2020	2021	2022
Waste Generated	Metric Tons (t)	29,459	27,487	43,842	42,024
Hazardous Waste	Metric Tons (t)	354	962	219	126
Percentage Hazardous Waste	Percentage (%)	1.2	3.5	0.5	0.3
Non-Hazardous Waste	Metric Tons (t)	29,106	26,525	43,623	41,898
Percentage Recycled	Percentage (%)	77	61	84	89
Percentage Recycled Scrap ³	Percentage (%)	—	73	77	78

¹ Data collected from all manufacturing and distributions sites and aggregated into total reported number. Data from all leased office spaces (including servicewcs centers) are not included and make up less than 5 percent of all emissions.

² Carpenter Technology did not begin tracking water information for public disclosure until 2020.

³ Carpenter Technology did not begin tracking recycled scrap information for public disclosure until 2020.

Human Capital Data

Consolidated year-over-year data.

GENDER DEMOGRAPHICS		UNIT OF MEASURE	2021	2022	2023
Male	Percentage (%)		88.0	87.5	87.4
Female	Percentage (%)		12.0	12.5	12.6
U.S. EMPLOYEE DIVERSITY DEMOGRAPHICS ¹		UNIT OF MEASURE	2021	2022	2023
White / Caucasian	Percentage (%)		84.4	81.4	77.1
Hispanic / Latino	Percentage (%)		7.2	9.1	11.2
African American / Black	Percentage (%)		5.5	6.3	8.1
Asian	Percentage (%)		1.3	1.2	1.2
Other ²	Percentage (%)		1.5	1.9	2.4
SAFETY		UNIT OF MEASURE	2021	2022	2023
Total Recordable Incident Rate (TRIR)	TRIR		0.7	0.8	1.2
Fatality Rate	Fatality Rate		0	0	0
Near Miss Frequency Rate (NMFR)	NMFR		2.8	4.9	2.1
HUMAN CAPITAL MANAGEMENT		UNIT OF MEASURE	2021	2022	2023
Employee Engagement Survey Participation ³	Percentage (%)		73%	74%	—
# Voluntary Training Courses Completed	Number of Courses		13,000	14,000	10,500
CORPORATE & EMPLOYEE GIVING		UNIT OF MEASURE	2021	2022	2023
Corporate Charitable Contributions - Impact Award Donations	Dollar (\$)		110,000	110,000	110,000

¹ U.S. Employee Diversity Demographics are based on the EEO-1 reporting framework;

² "Other" includes Hawaiians and Other Pacific Islanders, people who identify as two or more races, and those who choose not to answer.

³ The Employee Engagement Survey takes place on an 18 month cycle.

