GHG Emissions and Energy Consumption Metrics

Overview

We are committed to being responsible stewards of the environment as we operate our business. On an annual basis 3D Systems collects and discloses data on Scope 1, Scope 2, and Scope 3 greenhouse gas (GHG) emissions and energy consumption across global operations. In 2025, we continued our reporting on climate activities in alignment with the Task Force on Climate-Related Financial Disclosures (TCFD) and continued incorporating our measures across our value chain to include Scope 3 GHG emissions.

Internal Metrics

Overview: The internal metrics presented below provide insights to management as we evaluate environmental strategies around further reducing GHG emissions and conserving energy across our facilities. These environmental strategies include assessing our real estate portfolio for opportunities to implement energy efficiency measures and evaluating investments into renewable energy sources where feasible. Examples include renewable electricity procurement via solar in a key manufacturing site, sensor lighting applications, and LED lighting upgrades. We continue to monitor and report our energy mix annually as part of our sustainability efforts.

Methodology: 3D Systems' GHG inventories are collected from our largest facilities based on square footage. Different facility types are included in our sample to represent relevant company activities from each type of facility (offices, manufacturing sites, warehouses, and R&D sites). Data from this sample are extrapolated to estimate emissions and energy consumption for the facilities excluded from the sample.

Renewable Energy: Electricity consumption is primarily sourced from the regional grid, with a portion supplied to one facility by a third-party-owned on-site solar generation. Based on the renewable energy content of the grid during FY 2025, approximately 25% (4,485,444 kWh) of 3D Systems' electricity consumption is attributable to renewable sources. . This figure is calculated as a weighted average, based on the energy usage of our operations and the renewable energy share of the grid. The remaining electricity consumption is attributable to non-renewable energy sources.

Scope 1 & 2 GHG Emissions[1]

GHG Emission Type	2023 (MT CO2e)	2024 (MT CO2e)	2025 (MT CO2e)
Scope 1[2]	3,115	3,069	2,839
Scope 2 (market-based)	7,109	6,441	5,462
Total	**10,224**	**9,510**	**8,301**

[1] 3D Systems' Greenhouse Gas inventories were calculated in accordance with the World Resources Institute (WRI)/World Business Council for Sustainable Development's (WBCSD) Greenhouse Gas (GHG) Protocol: A Corporate Accounting and Reporting Standard, the WRI/WBCSD GHG Protocol Scope 2 Guidance, and the WRI/WBCSD GHG Protocol Value Chain (Scope 3) Accounting and Reporting Standard and the Technical Guidance for Calculating Scope 3 Emissions. The GHG Protocol is the leading authoritative guidance for measuring, managing, and reporting GHG emissions. The calculation of GHG emissions uses recognized emission factors from the California Air Resources Board (CARB), The Climate Registry, United States Environmental Protection Agency (EPA), Department for Environment, Food and Rural Affairs (DEFRA), Association of Issuing Bodies (AIB), International Energy Agency (IEA), and the GHG Protocol. Requirements outlined in ISO 14064-1:2018 are followed; however, the GHG Protocol is utilized where differences between standards occur.

[2] Emissions for 2023 and 2024 have been recalculated using an updated methodology for estimating refrigerant emissions to improve accuracy and consistency.

Energy Consumption Breakout

The table below includes aggregated energy consumption from all sources, which are non-renewable.

Consumption Type	2023 Consumption	2024 Consumption	2025 Consumption
Electricity (kWh)	22,622,322	20,484,875	17,941,776
Gas (therms)	329,080	331,309	307,061
Fleet – Gasoline (gallons)	27,369	33,659	23,549
Fleet – Diesel (gallons)	12,959	18,309	24,686

Value Chain Metrics

We began measuring our scope 3 GHG emissions in 2023 to better understand our environmental impact from indirect emissions that occur throughout our value chain, both upstream and downstream.

Our measurement approach aligns to the GHG scope 3 methodology of 15 categories of scope 3 emissions within a company's value chain. Categories in this table are most material to 3D Systems' value-chain:

GHG Scope 3 Category	Category and Calculation Description
Purchased goods and services	Emissions associated with purchased goods and services captured through 3D Systems' procurement system. The scope includes expenses associated with the manufacturing of 3D Systems' products, such as raw materials, components, parts, and packaging, and non-product related expenses that encompass overhead spend.
Upstream transportation and distribution	Emissions associated with any transportation and logistics paid for by 3D Systems, which could include services from suppliers to 3D Systems facilities, from 3D Systems manufacturing facilities to 3D Systems warehouses, or from 3D Systems warehouses to resellers or other customers.
Waste generated in operations	Emissions associated with any facility waste type generated by 3D Systems in the creation of printers, materials, or 3D-printed products in our operations, prior to sale.
Processing of sold products	Emissions associated with the additive manufacturing process when 3D Systems' materials are used in a non-3D Systems printer.
Use of sold products	Emissions from the energy consumed by end consumers operating 3DS printers sold. Emissions in the year of measurement are based on printers sold that same year, estimating the annual energy draw over the expected lifetime of those printers.
End of life treatment of sold products	Emissions associated with the end-of-life disposal of all 3D printers and materials sold in the year of measurement. Also includes estimated emissions associated with landfill impacts of mixed plastic and metal materials sold in the year of measurement.
Downstream leased assets	Emissions resulting from the operation of facilities leased by 3DS but sub-leased to other entities, and therefore outside of the 3DS' direct control.

Scope 3 GHG Emissions

Category	2023 MT CO2e	2024 MT CO2e	2025 MT CO2e
Purchased goods and services	66,412	65,227	63,947
Upstream transportation and distribution	2,063	2,874	1,282
Waste generated in operations	568	623	521
Processing of sold product	157	41	61
Use of sold product	141,147	94,378	53,587
End of life treatment of sold products	82	263	206
Downstream leased assets	265	-	1
Total	**210,694**	**163,406**	**119,605**