

Greenfield Manufacturing Co. Sustainability Impact Report

Category	Details	Estimated Annual CO2 (tons)
Energy Efficiency	Electricity usage across plant operations and HVAC systems.	128,320,000 kWh annually with moderate efficiency improvements.
Transportation Impact	Diesel fuel consumption for logistics fleet totaling approximately 18,000 gallons per year.	1,600
Supply Chain	Imported raw materials via ocean freight and domestic trucking contributing to indirect emissions.	2,100
Waste	Mixed industrial waste and hazardous solvent disposal services.	75
Other	Water usage, refrigerant leakage incidents, and administrative operations.	42

Executive Summary:

Greenfield Manufacturing's largest emissions driver is supply chain logistics and imported materials. Transportation and energy use follow closely behind. Targeted improvements in route optimization and energy retrofits could reduce total emissions by an estimated 18–22% annually.