



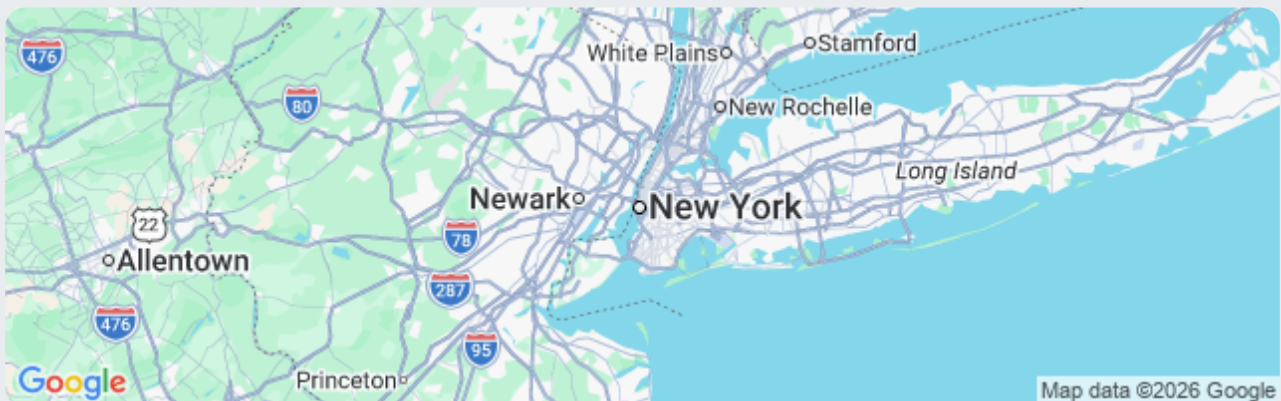
Carbon Footprint & Manufacturing Sustainability Audit Checklist 2026

Energy Consumption & Management

Assessment of electricity, natural gas, and fuel usage across production lines, machinery, and facility heating/cooling systems.

Audit Date

Production Facility/Line Location

[📍 Set My Current Location](#)

Total Monthly Electricity Consumption (kWh)

Natural Gas/Fuel Consumption (m3/Liters)

Enter a number...

Primary Energy Source Type

- ☐ Grid Electricity
- ☐ Solar/Renewable
- ☐ Natural Gas
- ☐ Diesel/Fuel Oil

Energy-Saving Measures Implemented

- ☐ LED Lighting Upgrade
- ☐ VFD (Variable Frequency Drive) Installation
- ☐ Insulation Improvements
- ☐ Automated Shutdown Systems

Observations on Energy Inefficiencies

Write something...

Utility Bills/Energy Meter Logs

 Upload File

Auditor Verification

Raw Material Sourcing & Supply Chain Sustainability

Evaluation of supplier environmental impact, recycled content percentage, and the carbon intensity of inbound logistics.

Primary Material Origin Category

- ☐ Local/Domestic
- ☐ Regional/Continental
- ☐ International/Global

Percentage of Recycled Content in Raw Materials

Supplier Sustainability Certifications Held

- ☐ ISO 14001
- ☐ EcoVadis
- ☐ Responsible Business Alliance (RBA)
- ☐ FSC (Forest Stewardship Council)
- ☐ None

Supplier Risk Assessment Summary

Write something...

Supplier Environmental Impact Certificate

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Auditor Verification Signature

Waste Management & Circularity

Audit of manufacturing scrap, hazardous waste disposal, water recycling initiatives, and end-of-life product recyclability.

Types of Waste Generated

- ☐ Hazardous Waste
- ☐ Recyclable Scraps (Metal/Plastic/Paper)
- ☐ Organic/Biodegradable Waste
- ☐ Electronic Waste (E-waste)
- ☐ Industrial Sludge

Total Waste Weight (kg)

Enter a number...

Waste Disposal Method

- ☐ Landfill
- ☐ Incineration
- ☐ Recycling/Upcycling
- ☐ Composting

Waste Reduction Initiatives & Observations

Write something...

Waste Disposal Manifest/Certificate

 Upload File

Waste Management Supervisor Verification

Emissions & Air Quality Control

Monitoring of Scope 1 and Scope 2 greenhouse gas emissions, including fugitive emissions and factory exhaust filtration efficiency.

Date of Air Quality Inspection

Enter date...

Measured CO2e Emissions (Metric Tons)

Enter a number...

Primary Emission Source

- ☐ Boilers/Furnaces
- ☐ Company Vehicles
- ☐ Backup Generators
- ☐ Manufacturing Process Exhaust
- ☐ Other

Detected Air Pollutants

- ☐ Particulate Matter (PM2.5/PM10)
- ☐ Nitrogen Oxides (NOx)
- ☐ Sulfur Dioxide (SO2)
- ☐ Carbon Monoxide (CO)
- ☐ Volatile Organic Compounds (VOCs)

Mitigation Plan for High Emission Findings

Write something...

Emission Monitoring Sensor Logs

 Upload File

Environmental Compliance Officer Approval

Water Stewardship & Effluent Treatment

Review of water withdrawal volumes, wastewater treatment processes, and impact on local watersheds.

Total Monthly Water Withdrawal (m³)

Enter a number...

Primary Water Source

- ☐ Municipal Supply
- ☐ Groundwater/Well
- ☐ Recycled/Reclaimed Water
- ☐ Surface Water (River/Lake)

Effluent Treatment Methods in Use

- ☐ Physical Filtration
- ☐ Chemical Neutralization
- ☐ Biological Treatment
- ☐ Reverse Osmosis
- ☐ Sedimentation

Wastewater Quality Observations

Write something...

Water Quality Lab Reports

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Last Water Audit Completion Date

Enter date...

Environmental Officer Verification

Equipment Efficiency & Renewable Integration

Analysis of renewable energy adoption (Solar/Wind), energy-star rated machinery usage, and motor efficiency upgrades.

Primary Energy Source

- ☐ Grid Electricity
- ☐ Natural Gas
- ☐ Solar Power
- ☐ Wind Power
- ☐ Biomass

Percentage of Renewable Energy Usage

Enter a number...

Energy Efficiency Upgrade Summary

Write something...

Energy Consumption Logs/Utility Bills

 Upload File

Last Equipment Energy Audit Date

Enter date...

Facility Manager Approval

Packaging & Distribution Sustainability

Audit of secondary and tertiary packaging materials, reduction of single-use plastics, and carbon-optimized outbound logistics.

Packaging Materials Used

- ☐ Corrugated Cardboard
- ☐ Biodegradable Plastics
- ☐ Recycled Paper/Pulp
- ☐ Single-use Plastic Film
- ☐ Aluminum/Metal Containers
- ☐ Other

Percentage of Recycled Content (%)

Enter a number...

Packaging Waste Reduction Initiatives

Write something...

Primary Shipping Method

- ☐ Road Freight (Trucking)
- ☐ Rail Freight
- ☐ Sea Freight
- ☐ Air Freight

Supplier Sustainability Certifications

 Upload File

Last Packaging Audit Date

Enter date...

Compliance & Reporting Readiness

Verification of adherence to 2026 ESG (Environmental, Social, and Governance) regulations and carbon reporting standards.

Compliance Standard Alignment

- ☐ ISO 14064 (GHG Accounting)
- ☐ GHG Protocol
- ☐ CSRD (Corporate Sustainability Reporting Directive)
- ☐ Internal Corporate ESG Framework

Audit Completion Date

Enter date...

Sustainability Certificate Upload

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Non-Compliance Observations & Gap Analysis

Write something...

Compliance Officer Verification

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✔ Finish

✎ Generate Sample Report