

WALMART PROJECT GIGATON

Supplier Emissions Disclosure — Reporting Year 2025

Northwind Foods Co.

Sioux City, Iowa • NAICS 311999 — All Other Miscellaneous Food Manufacturing • EIN 47-1234567
Revenue: \$42M • Employees: 180 • Walmart Supplier Since: 2019
Report Generated: June 4, 2026 • Platform: Emissa Automated Reporting Platform
Giga Guru Status: Silver — Eligible

EMISSIONS SUMMARY (tCO₂e)

Scope 1 — Direct Emissions	487.3 tCO ₂ e
Scope 2 — Purchased Energy (location-based)	621.8 tCO ₂ e
Scope 3 — Value Chain Emissions	11,248.6 tCO ₂ e
TOTAL EMISSIONS	12,357.7 tCO₂e

SCOPE 1 — DIRECT EMISSIONS

Natural gas — manufacturing facility

Quantity: 4,820 MMBtu Factor: EPA GHGRP 0.0533 tCO₂e/MMBtu CO₂e: 256.9 tCO₂e

Fleet fuel — 14 delivery vehicles (diesel)

Quantity: 47,600 L Factor: EPA MOVES 2.69 kgCO₂e/L CO₂e: 128.0 tCO₂e

Propane — forklifts & facility

Quantity: 12,400 L Factor: EPA 1.51 kgCO₂e/L CO₂e: 18.7 tCO₂e

Refrigerant losses (R-404A)

Quantity: 28 kg Factor: GWP 3,922 (IPCC AR6) CO₂e: 83.7 tCO₂e

SCOPE 2 — PURCHASED ENERGY

Electricity — Sioux City facility (MidAmerican Energy)

Quantity: 1,842,000 kWh Factor: EPA eGRID MROW 2024: 0.338 kgCO₂e/kWh CO₂e: 621.8 tCO₂e

Market-based Scope 2: 494.2 tCO₂e (380,000 kWh offset via RECs — Green-e certified)

SCOPE 3 — VALUE CHAIN EMISSIONS

Cat 1: Purchased Goods & Services 7,728 tCO₂e

Primary driver: Grain, packaging, ingredients.

Factor: USEEIO v2.0 Sector 311 — 0.42 tCO₂e/\$1K spend

Cat 4: Upstream Transportation & Distribution 233 tCO₂e

Third-party freight from 6 regional carriers.

Factor: EPA SmartWay TL: 0.082 kgCO₂e/tonne-km

Cat 5: Waste Generated in Operations 210.1 tCO₂e

Landfill (62%) + composting (38%).

Factor: EPA WARM: 0.51 tCO₂e/tonne (mixed food + packaging)

Cat 6: Business Travel 13.9 tCO₂e

Trade shows, buyer meetings.

Factor: DEFRA 2024 Avg Economy: 0.158 kgCO₂e/km

Cat 7: Employee Commuting 207.4 tCO₂e

180 FTEs, 240 working days, 72% drive alone.

Factor: EPA 0.21 kgCO₂e/vehicle-km

Cat 11: Use of Sold Products Not applicable

Not applicable — food products consumed

Cat 12: End-of-Life Treatment of Sold Products 2,862.8 tCO₂e

Cardboard (44%), plastic film (38%), glass (18%).

Factor: EPA WARM packaging mix: 0.34 tCO₂e/tonne

REDUCTION COMMITMENTS

Energy Efficiency: 20% reduction in Scope 1+2 by 2030

Status: On track • Baseline: 2023 • Action: LED lighting retrofit complete. HVAC upgrades Q3 2026.

Renewable Energy: 100% renewable electricity by 2028

Status: In progress (21% covered via RECs) • Baseline: 2024 • Action: Power purchase agreement with MidAmerican Energy signed March 2026.

Supply Chain (Cat 1): 15% Scope 3 Cat 1 reduction by 2027

Status: Planning • Baseline: 2025 • Action: Supplier survey launched Q2 2026. Top 10 suppliers = 68% of Cat 1 spend.

Freight Efficiency: 10% Scope 3 Cat 4 reduction by 2027

Status: On track • Baseline: 2025 • Action: Consolidated shipping lanes with 3 carriers. SmartWay Partner enrolled.

METHODOLOGY

- GHG Protocol Corporate Accounting and Reporting Standard (Revised Edition)
- EPA eGRID 2024 — regional electricity grid emission factors (MROW subregion)
- EPA GHGRP — stationary combustion default factors (40 CFR Part 98)
- USEEIO v2.0 — US Environmentally-Extended Input-Output Model for Scope 3 Cat 1
- EPA SmartWay — freight transport emission factors
- EPA WARM v15 — waste emission factors
- DEFRA 2024 — business travel emission factors
- IPCC AR6 GWP100 values for refrigerants

VERIFICATION

Status: Self-reported (Third-party verification in progress)

Third-party Auditor: Veritas ESG Partners (engagement letter signed April 2026)

Report Fingerprint: sha256:b3f4a9e2c1d7f83a6bc5e091234d8f7a2c9b0e4d1a3f6c8e5b2d9071a4c3e8f

Generated: June 4, 2026 at 11:34 PM UTC • Platform: Emissa v2.1

This is a SAMPLE REPORT generated by Emissa using fictional mock data for demonstration purposes only. Generate your own audit-ready report at emissa.polsia.app