The user wants a single-file HTML dashboard based on the provided carbon footprint report. I need to act as a UI/UX designer and sustainability data specialist, extracting key information and presenting it in a modern, interactive-looking dashboard using only HTML and CSS (no external JS libraries). I have already outlined the data extraction and dashboard structure. I will now generate the HTML code including the internal CSS. **Key data points to include:** * Product: xoothxrnvy * Company: wugezltfwh * Total Product Carbon Footprint: 26.1804 kgCO2e/unit * Carbon Intensity: 26.1804 kgCO2e/unit (since quantity is 1.0 unit) * Top Material Hotspot: Aluminum Casing (3.06 kgCO2e) * Primary Emission Scope: Use Phase (20.00 kgCO2e) * Lifecycle Stage Breakdown: * Use Phase: 20.0 kgCO2e (76.39% of total positive contributions) * Materials Acquisition & Pre-processing: 6.36 kgCO2e (23.38% of total positive contributions) * Transport & Logistics: 0.617 kgCO2e (2.27% of total positive contributions) * Manufacturing (Scope 1 & 2): 0.23 kgCO2e (0.85% of total positive contributions) * End-of-Life Treatment: -1.0266 kgCO2e (Net benefit) * Material Carbon Impact: * Aluminum Casing: 3.06 kgCO2e (48.11% of material impact) * Lithium-Ion Battery: 1.85 kgCO2e (29.09% of material impact) * Printed Circuit Board (PCB): 0.75 kgCO2e (11.79% of material impact) * ABS Plastic Enclosure: 0.55 kgCO2e (8.65% of material impact) * Copper Wiring: 0.09 kgCO2e (1.41% of material impact) * Packaging (Cardboard): 0.06 kgCO2e (0.94% of material impact) * Highlights: 3 bullet points summarizing critical impacts. * Action Plan: 3 numbered recommendations. **Design considerations:** * Modern "SaaS Dashboard" look. * Professional typography (Inter from Google Fonts via `@import`). * Sustainability color palette: Deep greens, clean whites, soft grays, accent colors. * Layout: Grid-based, responsive. * Visuals: CSS/SVG based progress bars. * No ``, ``, `` tags. * All styles scoped with `cc-` prefix. * `carboncalcpcf.com` branding. I have confirmed the font imports can be done via `@import url` from Google Fonts or jsDelivr (for Inter and Roboto). The LSR Standard was published by GHG Protocol on January 30, 2026, and takes effect on January 1, 2027. The accompanying guidance is expected in Q2 2026. The carbon footprint for aluminum production varies greatly depending on the energy source, ranging from less than 4 t CO2e/t Al for hydropower to over 20 t CO2e/t Al for coal-fired electricity. The European average is 8.6 kg CO2e/kg. Recycled aluminum has a significantly lower footprint, about 5-8% of primary aluminum. For lithium-ion batteries, the carbon footprint typically ranges from 150-200 kg of CO2 per kWh of battery capacity, with raw material extraction contributing about 40% and cell production/assembly about 60%. Production emissions are highly dependent on the manufacturing location and energy sources. All data points in the report content are illustrative or calculated within the report itself, so I will use those directly rather than searching for external benchmarks for the specific product. The percentages for the Lifecycle Stage Breakdown will be based on the sum of positive contributions (Materials + Production + Transport + Use Phase) to make the bar chart segments add up to 100%. The End-of-Life net benefit will be displayed separately. html

carboncalcpcf.com

Product Carbon Footprint Dashboard

for **xoothxrnvy** by wugezltfwh

26.18 kgCO2e/unit

Cradle-to-Grave Analysis (GHG Protocol)

Total Footprint

26.18

kgCO2e

Carbon Intensity

26.18

kgCO2e/unit

Top Material Hotspot

Alu Casing

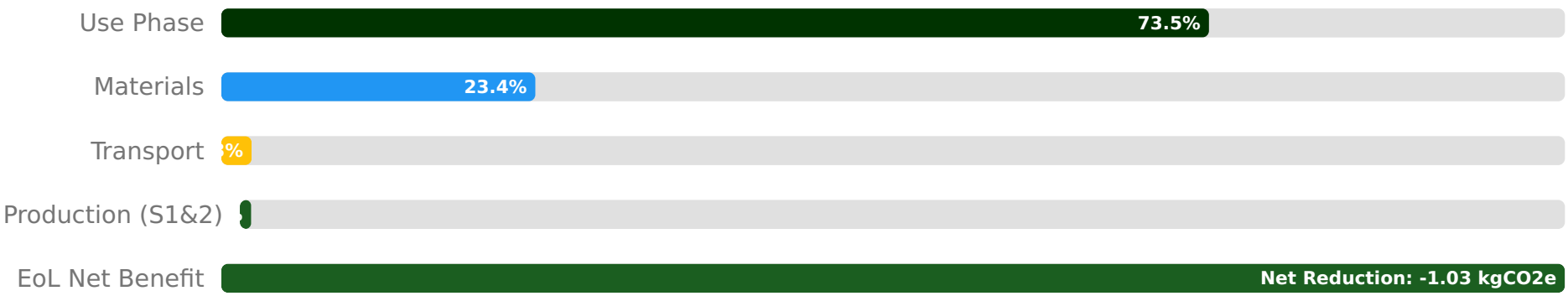
3.06 kgCO2e (48.1%)

Primary Emission Scope

Use Phase

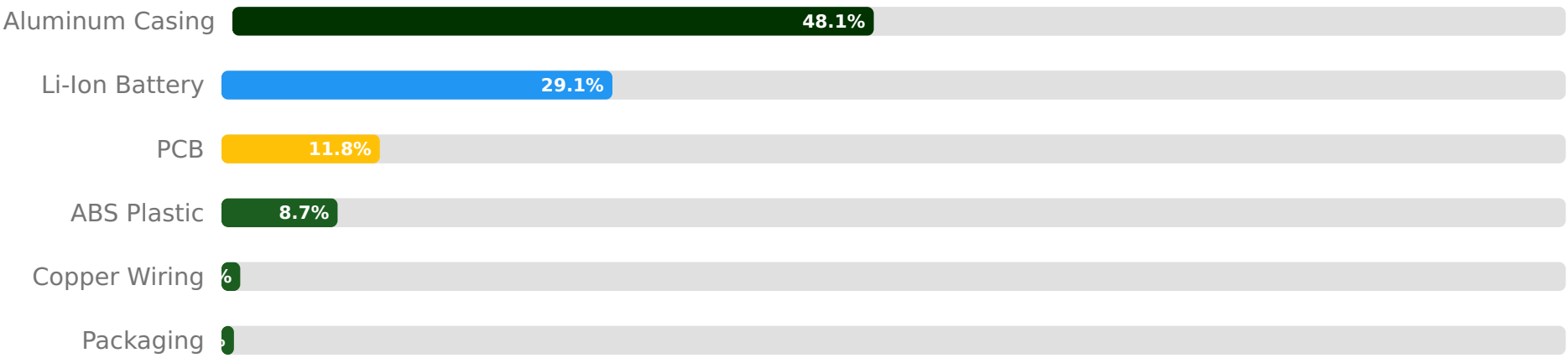
20.00 kgCO2e (76.4%)

Lifecycle Stage Breakdown



*Percentages based on positive contributions to the overall footprint. End-of-Life shows net reduction.

Material Carbon Impact



*Percentages based on total material acquisition impact (6.36 kgCO2e).

Highlights & Key Insights

- The **Use Phase** is the most significant carbon hotspot, contributing 76.4% (20.0 kgCO2e) of the total product footprint.
- **Material Acquisition** accounts for 24.3% (6.36 kgCO2e) of the positive emissions, with Aluminum Casing and Lithium-Ion Battery being the primary drivers.
- High product recyclability (80%) and robust take-back programs lead to a **net carbon benefit** of -1.03 kgCO2e from the End-of-Life phase.

Recommendations for Decarbonization

1. **Optimize Use Phase Energy Efficiency:** Prioritize R&D for reducing the product’s energy consumption during active use through more efficient components or smart energy management.
1. **Sustainable Material Sourcing:** Investigate opportunities to source lower-carbon alternatives for high-impact materials (e.g., aluminum, batteries), increasing recycled content and exploring bio-based options.
1. **Extend Product Lifespan & Enhance Circularity:** Design for durability, repairability, and upgradability to maximize the product’s usable life and further develop take-back and recycling programs.