

html

Product Carbon Footprint Dashboard

Product: ezwirqojmw | Company: hovlyvezow

System Boundary: Cradle-to-Grave | Standard: GHG Protocol

118.11 kgCO₂e

Total Carbon Footprint

118.11 kgCO₂e

Carbon Intensity

35.79 kgCO₂e/kg

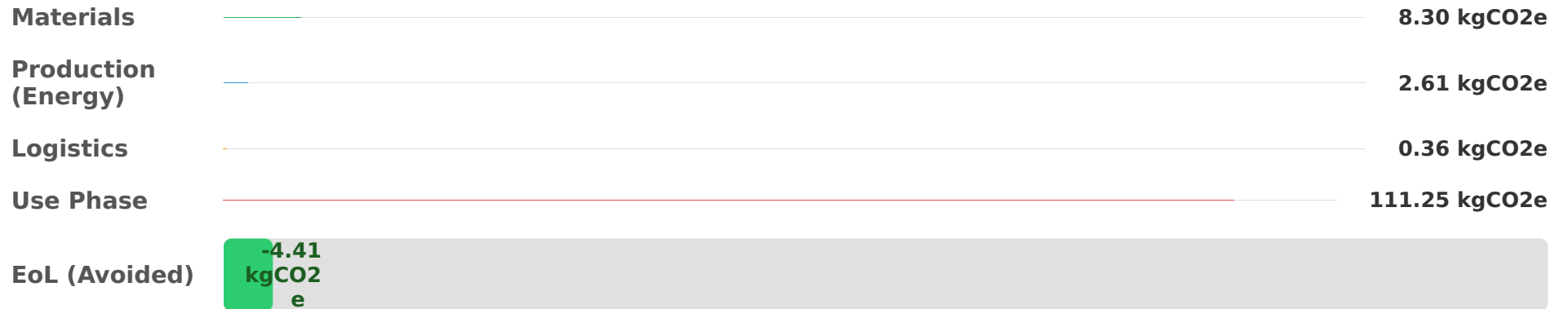
Primary Emission Hotspot

Use Phase (~94.2%)

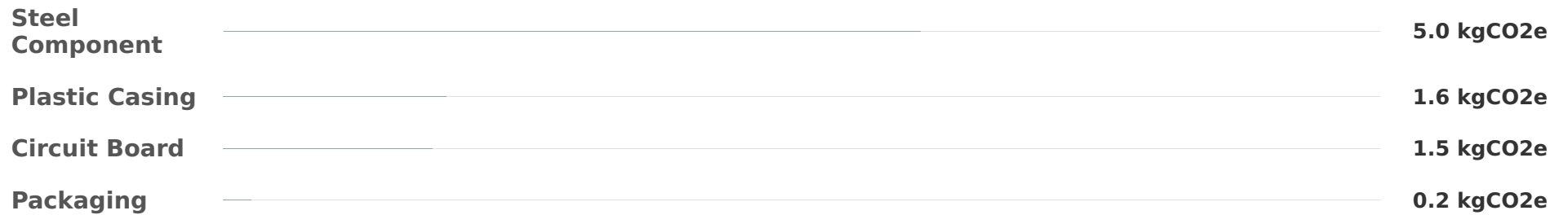
Prod. Renewable Energy

60%

Lifecycle Stage Breakdown



Material Emissions Breakdown



Key Insights & Highlights

- ✓ **Use Phase Dominance:** The product's operational use accounts for approximately 94% of the total carbon footprint, making it the overwhelming primary hotspot.
- ✓ **Strong Circularity:** High recyclability (80%) and existing take-back programs significantly contribute to avoided emissions at End-of-Life, demonstrating positive circular economy efforts.
- ✓ **Optimized Production:** The manufacturing process benefits from 60% renewable energy usage, effectively reducing Scope 2 emissions compared to a fully grid-dependent approach.

Recommended Action Plan

- **Use Phase Optimization:** Prioritize design for extreme energy efficiency during the 5-year lifespan and explore offering renewable energy solutions or usage guidance to customers.
- **Supply Chain Engagement:** Collaborate closely with material suppliers to identify and implement lower-carbon component manufacturing processes and increase the use of recycled content.
- **Circular Economy Initiatives:** Further strengthen existing take-back and recycling programs, exploring innovative solutions to maximize material recovery and extend product utility.