

Total Footprint

11.40 kg CO₂e

for kwpuseriuu

Carbon Intensity

11.40 kg CO₂e/unit

Based on 1.0 unit

Top Material Hotspot

Circuit Board

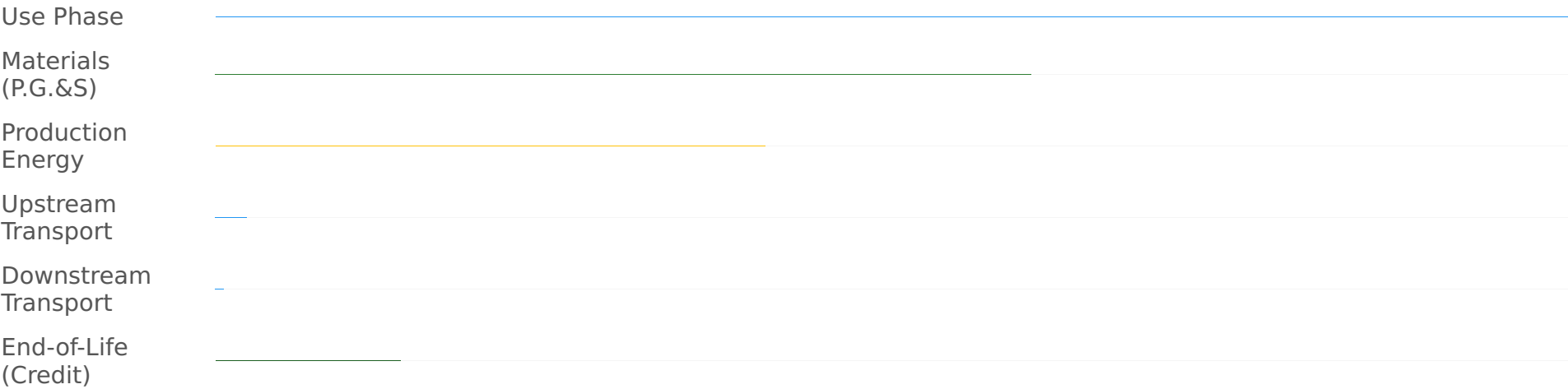
1.50 kg CO₂e

Primary Emission Scope

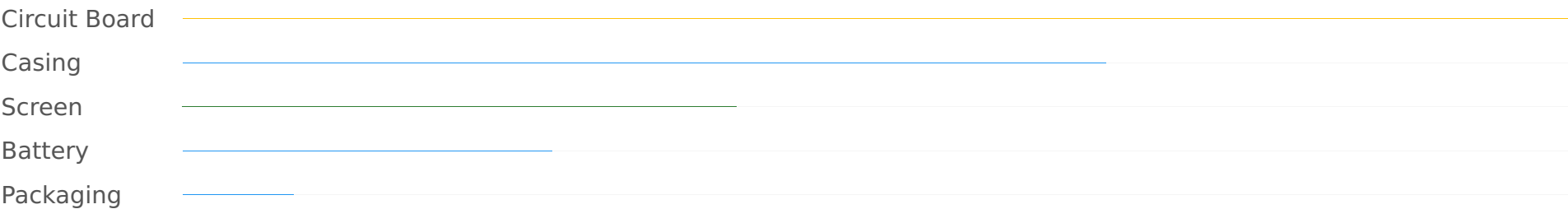
Scope 3 (Use Phase)

6.00 kg CO₂e

Lifecycle Stage Breakdown (kg CO₂e)



Material Carbon Impact (kg CO₂e)



Emission Highlights for kwpuseriuu

- **Use Phase Dominance:** The product's operational energy consumption (6.00 kg CO₂e) is the largest single contributor, highlighting opportunities in energy efficiency.
- **Material Impact:** Purchased goods and services, particularly the Circuit Board, contribute significantly (3.62 kg CO₂e), underscoring sustainable sourcing needs.
- **Circular Economy Benefits:** High recyclability and refurbishment programs lead to a net carbon credit (-0.82 kg CO₂e) at End-of-Life, showcasing effective circularity.

Recommendations & Action Plan

- ✓ **Enhance Use Phase Efficiency:** Focus on product design for reduced energy consumption during its 3-year lifespan.
- ✓ **Optimize Material Sourcing:** Collaborate with suppliers to identify lower carbon footprint materials and components.
- ✓ **Improve Data Quality:** Prioritize collecting primary data and refining emission factors for higher accuracy in future assessments.
- ✓ **Expand Circularity:** Investigate opportunities to further increase refurbishment rates and explore innovative recycling solutions.