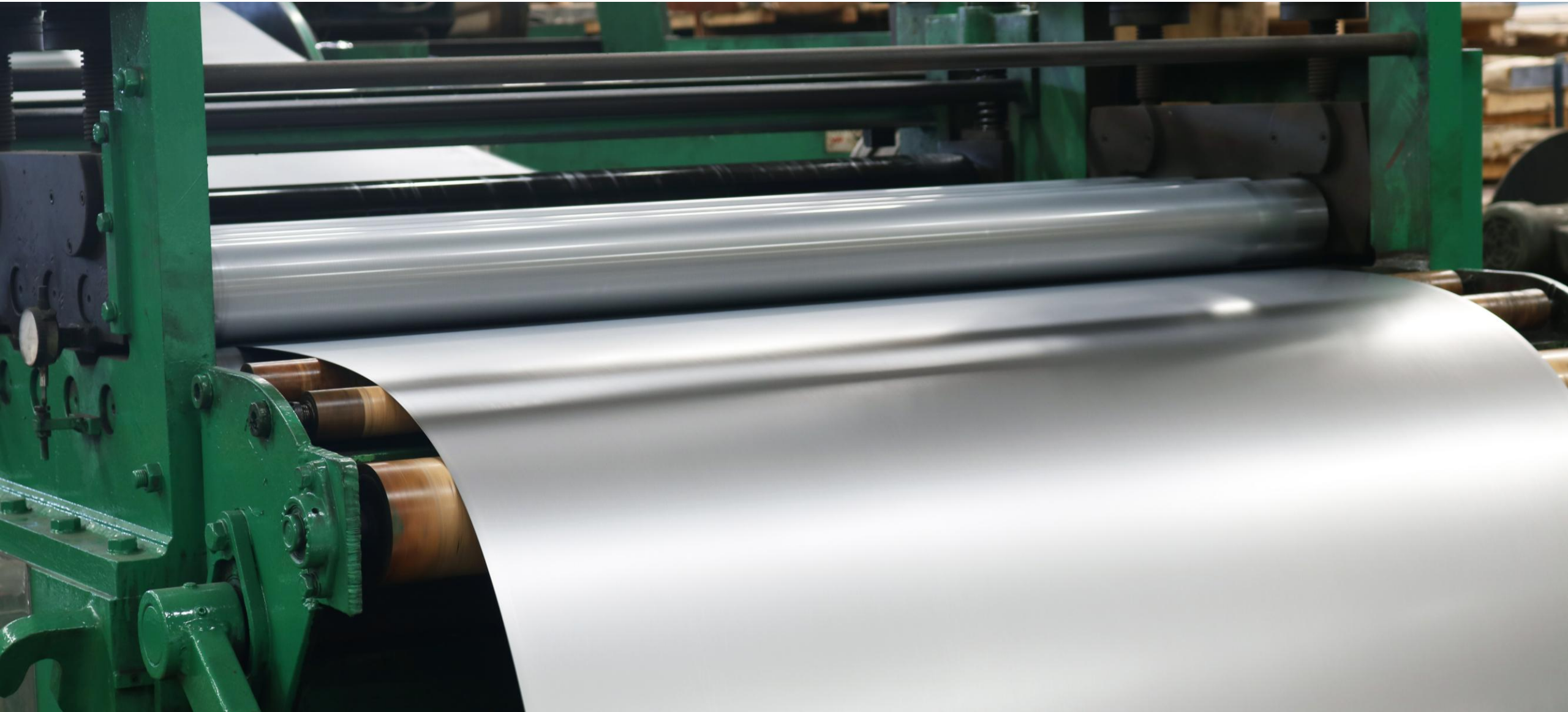




Your Roadmap to Sustainability: How LCAs Play an Important Role in Your Journey

SEPTEMBER 15, 2025

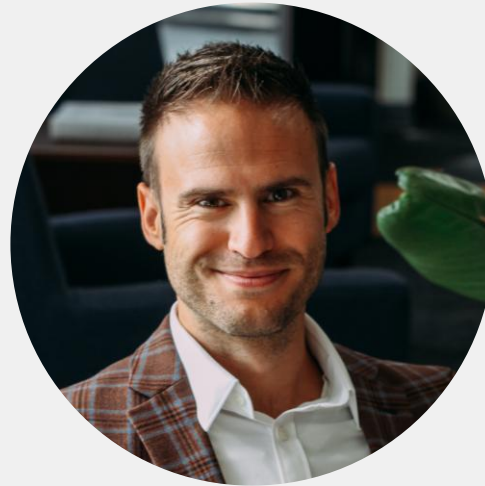


Meet Your Presenters



WENDY SCHLETT

Managing Director



MIKE TROUPOS

Vice President

Agenda

- WHO IS FORESIGHT?
- WHY BUILD A SUSTAINABILITY ROADMAP?
- WHAT IS THE INDUSTRY IS SAYING ABOUT PRODUCT SUSTAINABILITY?
- THE POWER OF QUANTIFYING IMPACT
- Q&A

SECTION I

Who is Foresight?



We're your partner in sustainability
and energy management.

A full-service team by your side.

All the sustainability support you need, all in one place.



ORGANIZATIONS

Pursue sustainability for your organization, profitably.



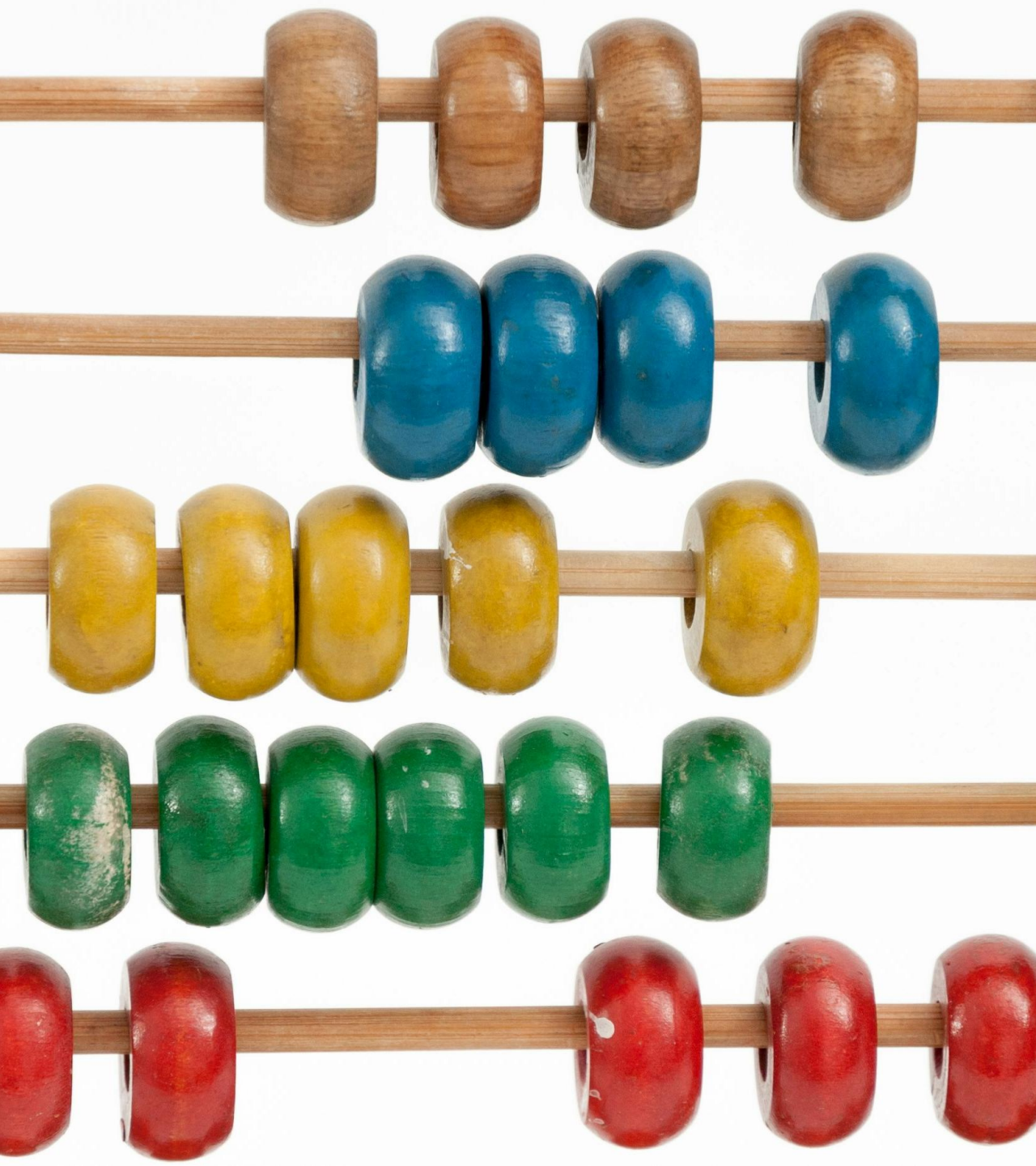
BUILDINGS

Decarbonize your buildings and lower operating costs.



PRODUCTS

Assess your product's life cycle to innovate and reduce impact.



SECTION II

Why build a Sustainability Roadmap?

UNDERSTANDING STAKEHOLDER DESIRES

Prioritizing sustainability initiatives requires balancing the desires of multiple stakeholders: customers, investors, policymakers, and employees. Figure 1 shows the overlap of stakeholder desires.

- **High Priority Initiatives:** 3 categories overlapped
- **Medium Priority Initiatives:** 2 categories overlapped
- **Low Priority Initiatives:** 1 category

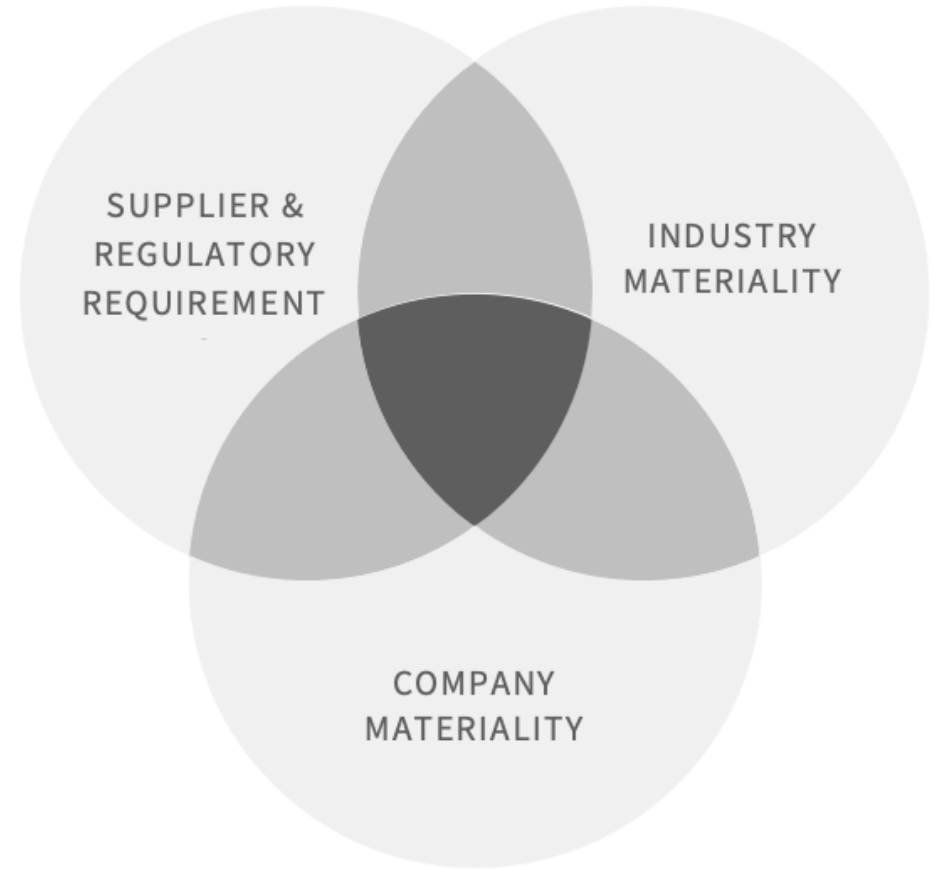


Figure 1

Understand your Maturity and your Competitors Maturity

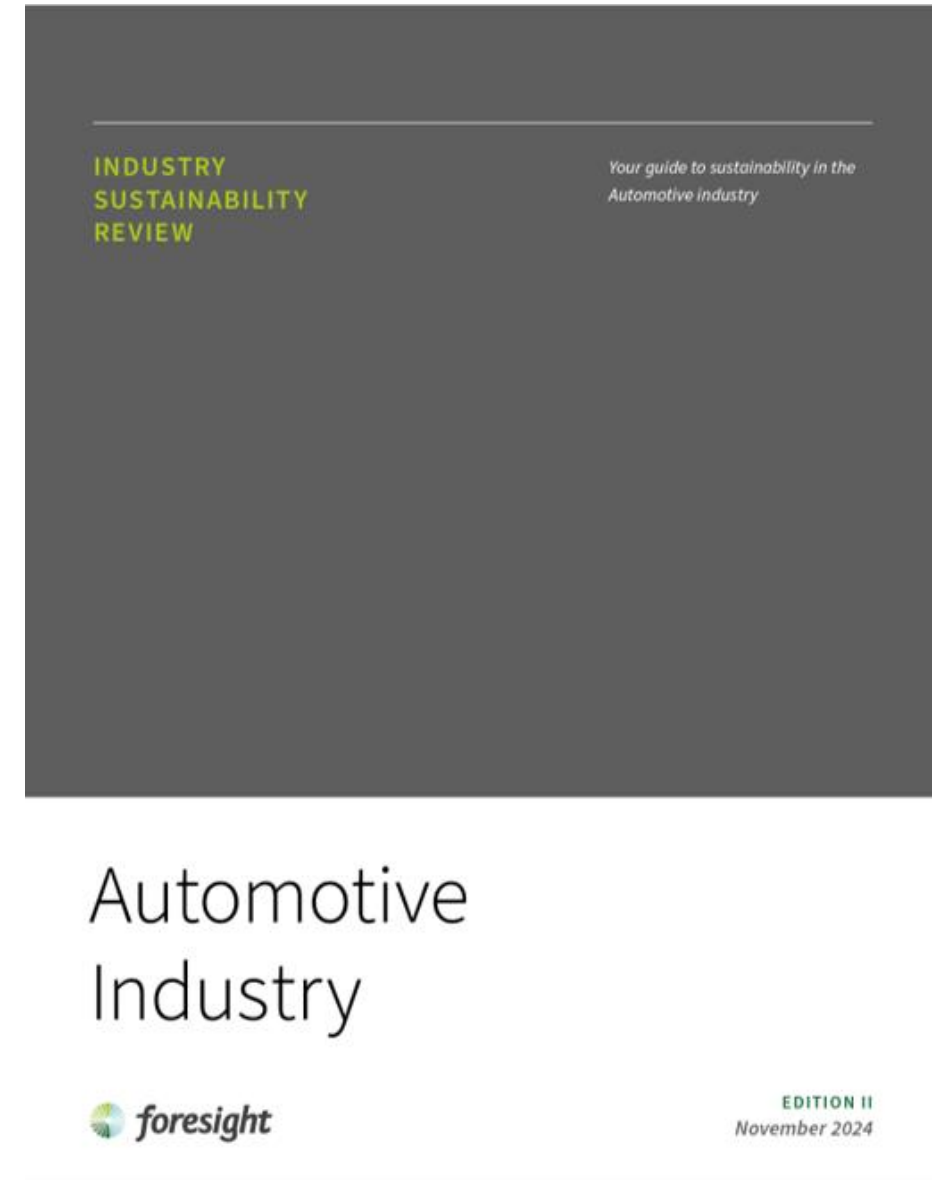
	<i>OBLIGATORY</i>	<i>EFFICIENT</i>	<i>COMPETITIVE</i>	<i>LEADING</i>	<i>REGENERATIVE</i>
GOVERNANCE	Decentralized	Consolidated	Coordinated	Empowered	Unified
OPERATIONS	Compliance-focused	Refined operations for profitability	Utilizes advanced practices	Optimized with technology	Positive environmental contribution
PRODUCTS	Meet basic safety requirements	Optimized for waste and energy	Incorporates sustainable materials	Integrates eco-design	Positive environmental contribution



SECTION II

What is the industry saying about product sustainability?

2024 Automotive & Aftermarket Industry Sustainability Review



MATERIALITY
OVERVIEW

Major
Automotive
OEMs

Category Key



MATERIALITY
OVERVIEW

Aftermarket
Automotive
Brands

Category Key



Top 3 Industry Trends

TREND 1: CIRCULAR ECONOMY PRACTICES

- Remanufacturing
- Recycling
- Reducing waste throughout production cycle
- Designing vehicles that are easier to disassemble
- Promote resource efficiency

TREND 2: CARBON NEUTRAL INITIATIVES

- Upstream: Supply Chain
 - Identifying Scope 3 emissions
 - Identifying opportunities for process and component design changes to reduce carbon intensity
- Downstream: Distribution, use, end of life

TREND 3: SMART AND SUSTAINABLE MATERIALS

- Alternative Materials
 - Bio-based plastics
 - Recycled fabrics
 - Lightweighting composites
- Enhance fuel efficiency and decrease environmental impact



SECTION IV

The Power of Quantifying Impact

Isn't remanufacturing inherently sustainable?

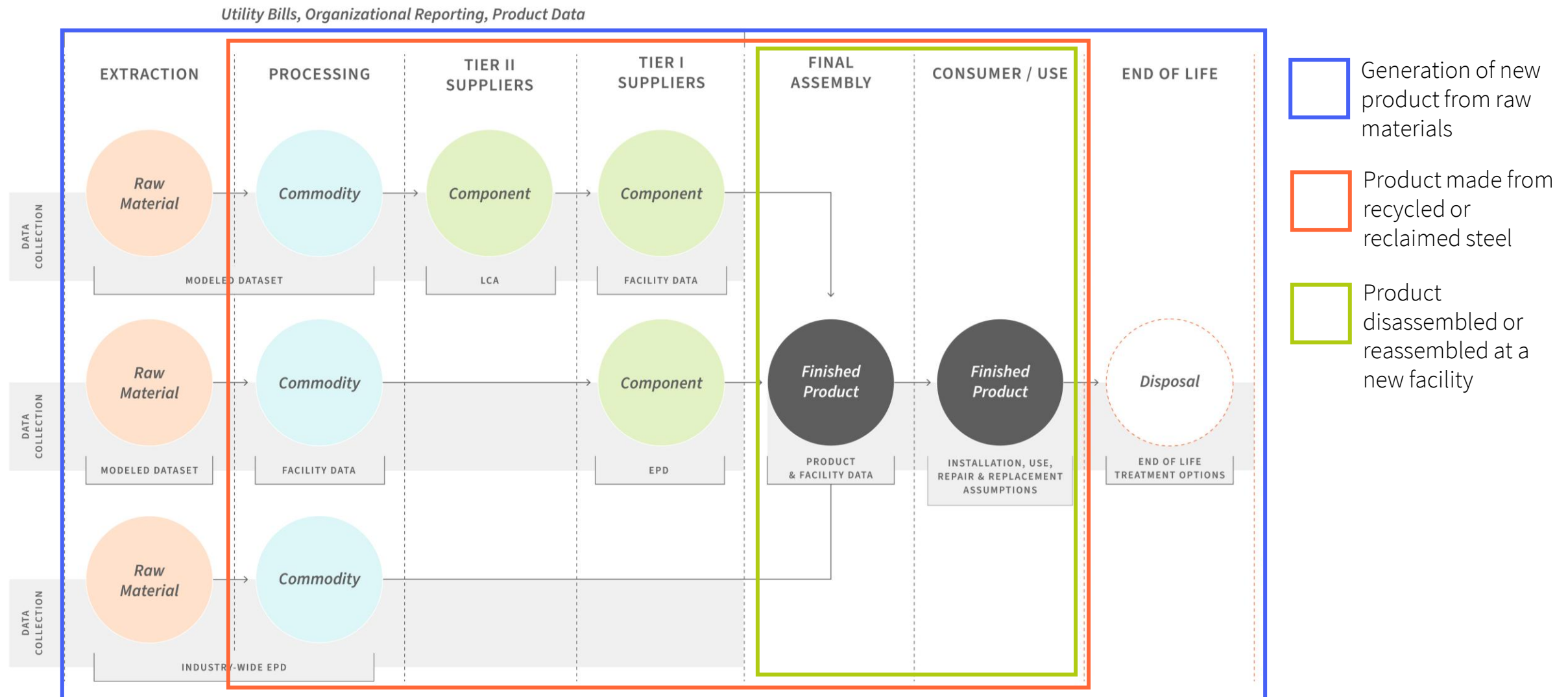
Perhaps. But can you quantify how sustainable it is?

MEASURING IMPACT

An LCA quantifies the impact of your product over its entire lifecycle.

- Drives design decisions
- Verifies sustainability attributes
- Lends credibility to marketing claims
- Creates marketplace differentiation
- Provides a strategic pathway for decarbonization
- Gives visibility into chemical composition
- Quantifies environmental impact
- Lays the groundwork for certifications and standards

Industrial Manufacturing Carbon Footprint Management



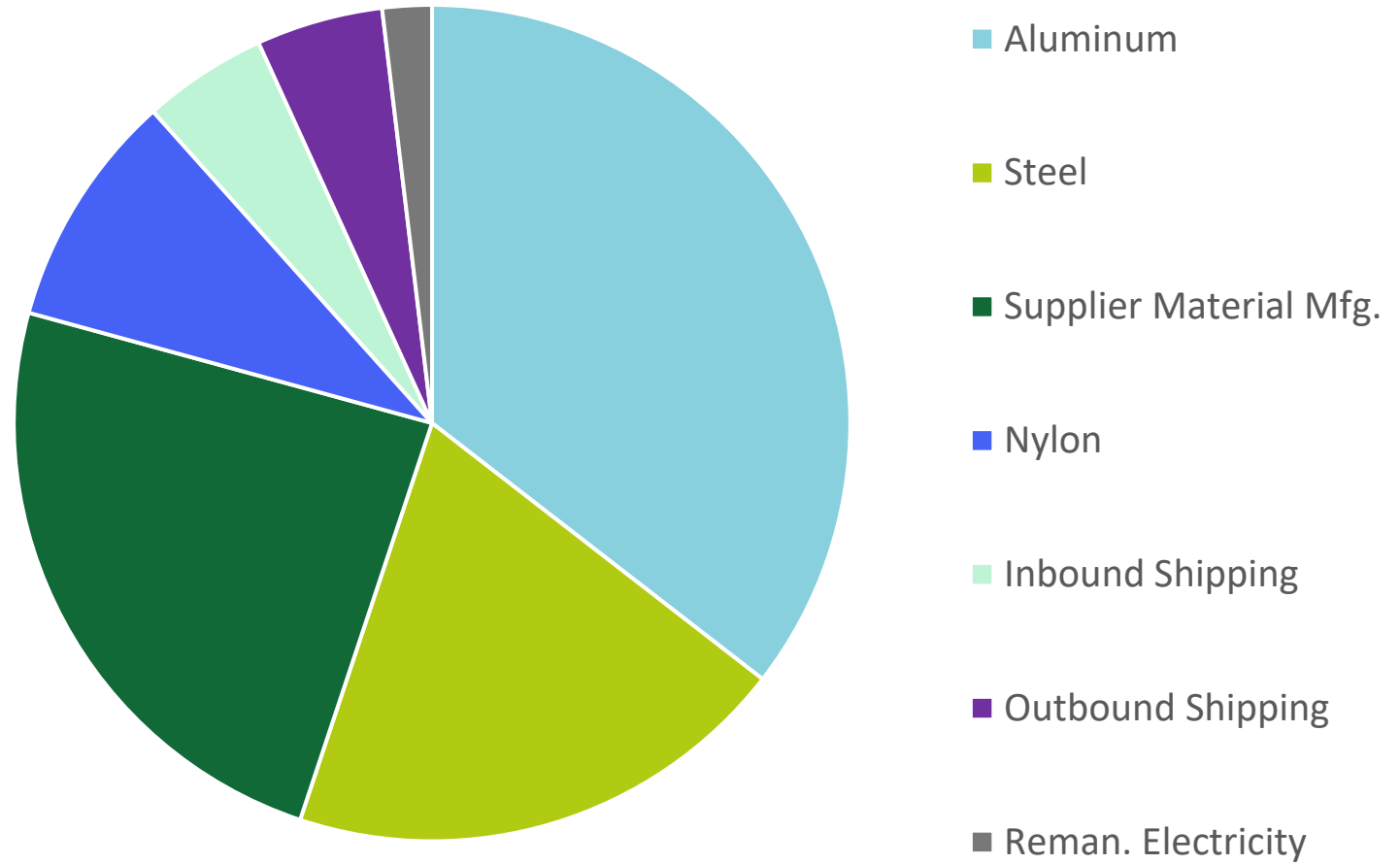
Foresight performed an LCA for a MEMA Remanufacturing member.

Preliminary (non-third-party audited) findings:

- Average mass of product was 7 kg
 - Less than 1kg of “virgin” product needed to remanufacture part. Other 6+ kg are from the original component/core
 - The 6 kg of material are ‘burden free’ in the LCA driving GHG reductions

Automotive Remanufacturing Case Study

Sources of Impact for the Remanufactured Product



Recommendations:

- Energy consumption only represents 1.5% of total emissions due to the product being remanufactured. Limited opportunity to reduce product GHG by using renewable electricity.
- Shipping of core to remanufacture facility and shipping of finished goods to auto DCs represents 10% of total emissions – higher than average
 - Consider opening additional remanufacturing facilities in other geographies.
 - Consider using lower carbon shipping (rail, shipping container, etc.)

Consider Two Conference Tables

TABLE 1

Steel Base + Wood Tabletop

TABLE 2

Wood Base + Wood Tabletop

Comparing Impact of Design Choices

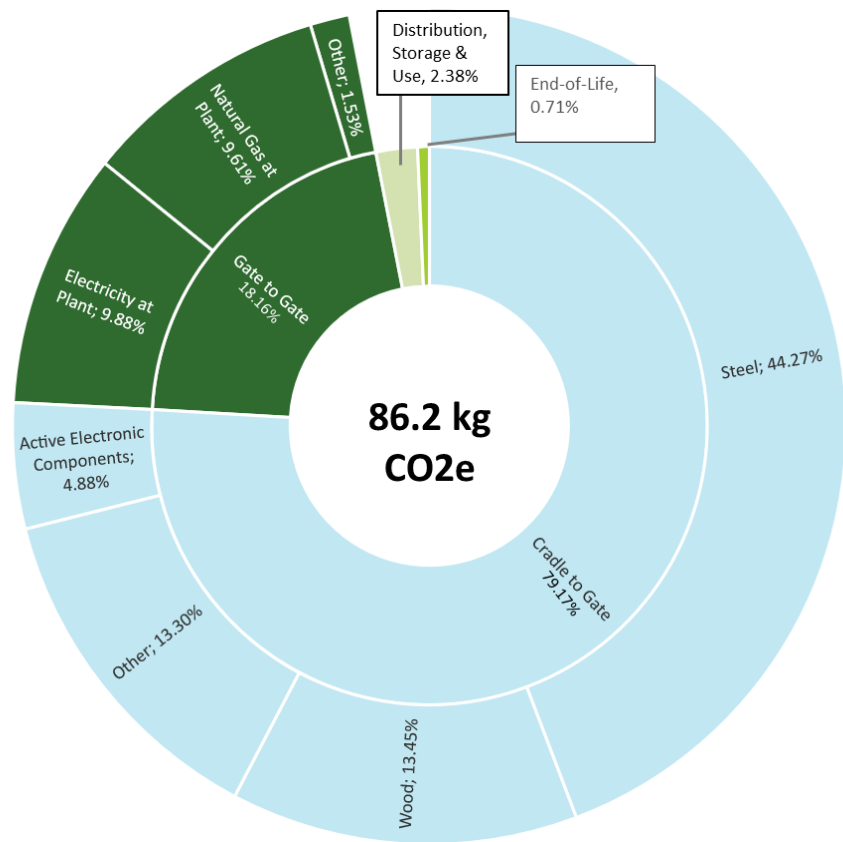


TABLE 1: STEEL + WOOD

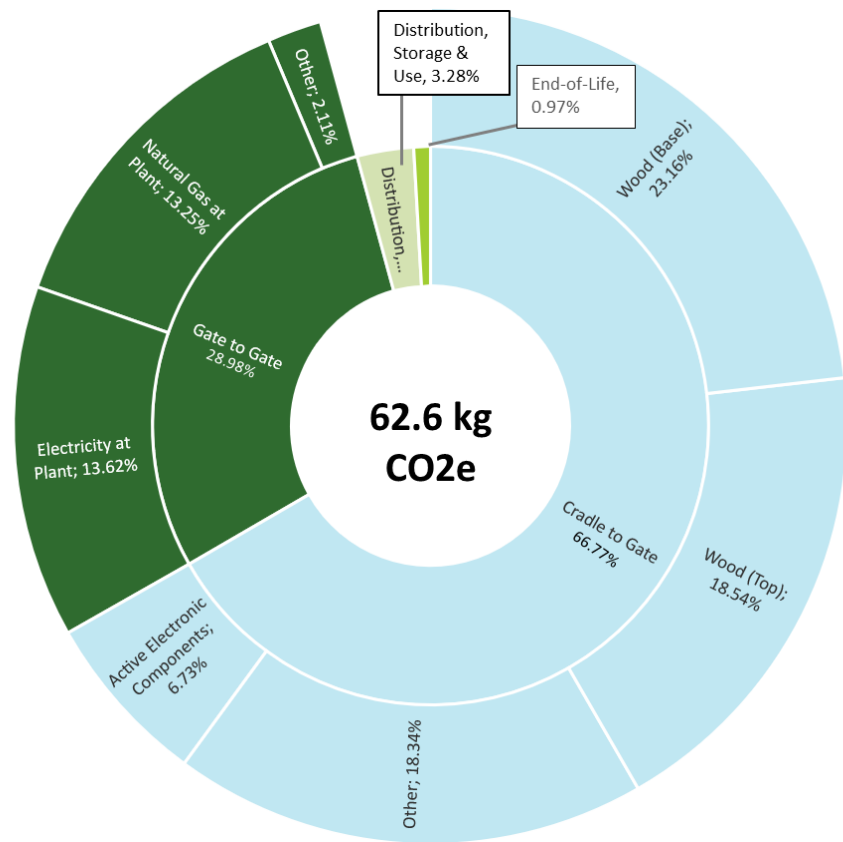


TABLE 2: WOOD + WOOD

Comparing Impact of Design Choices

In comparing impact,
you choose wood + wood.

Now, consider Table 2 is
available from two companies:

COMPANY A

Buying electricity
from the grid

COMPANY B

Has installed and
sources all electricity
from on-site solar

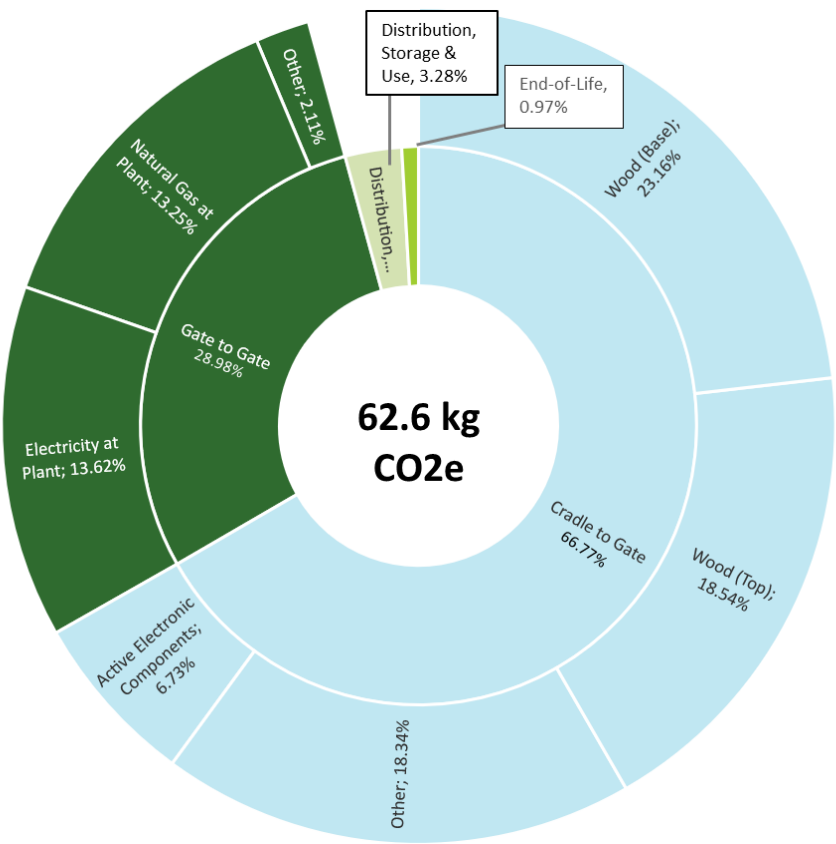
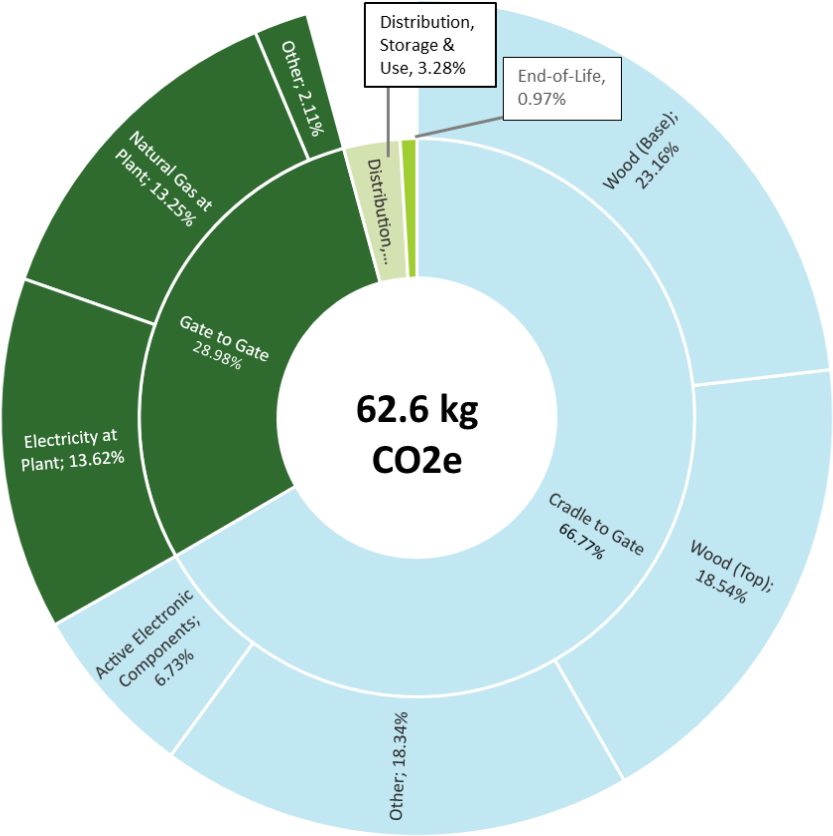
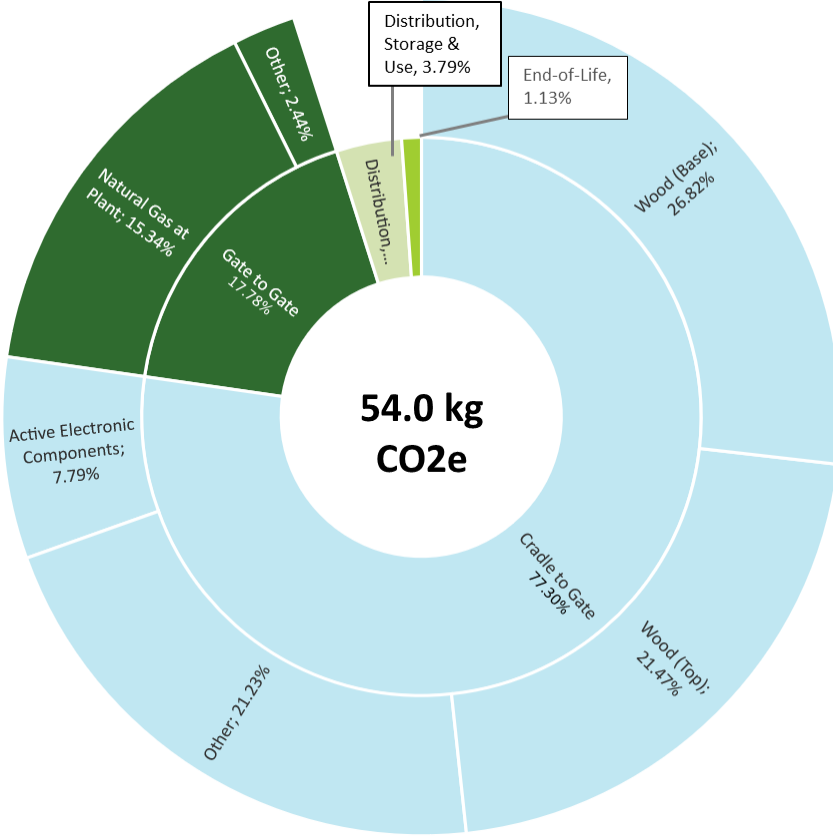


TABLE 2: WOOD + WOOD

Comparing Impact of Design Choices



COMPANY A: GRID ELECTRICITY



COMPANY B: SOLAR ELECTRICITY

Comparing Impact of Design Choices

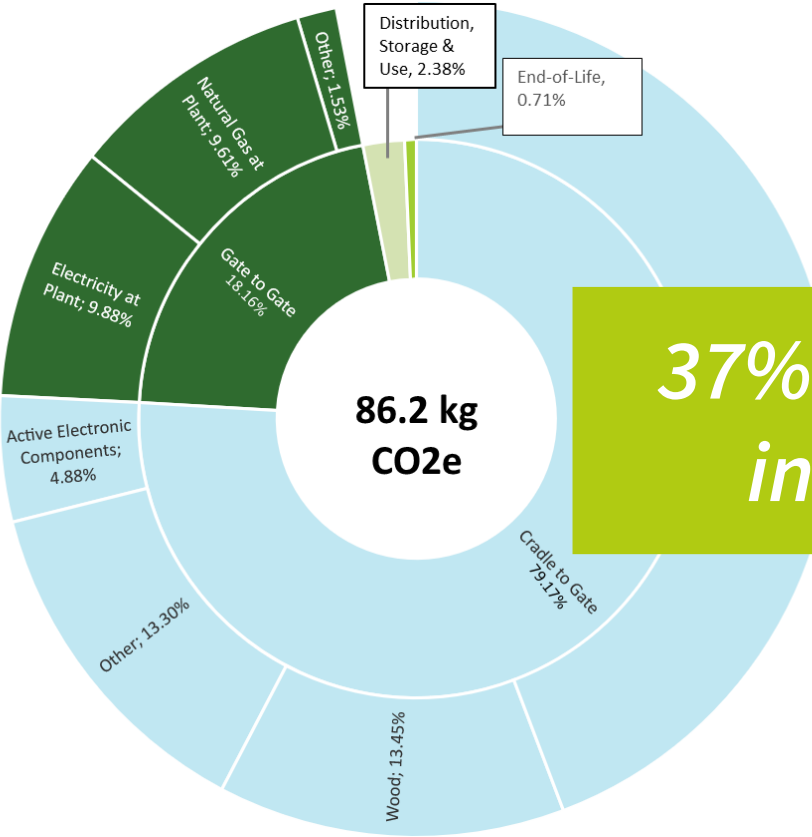


TABLE 1 FROM COMPANY A

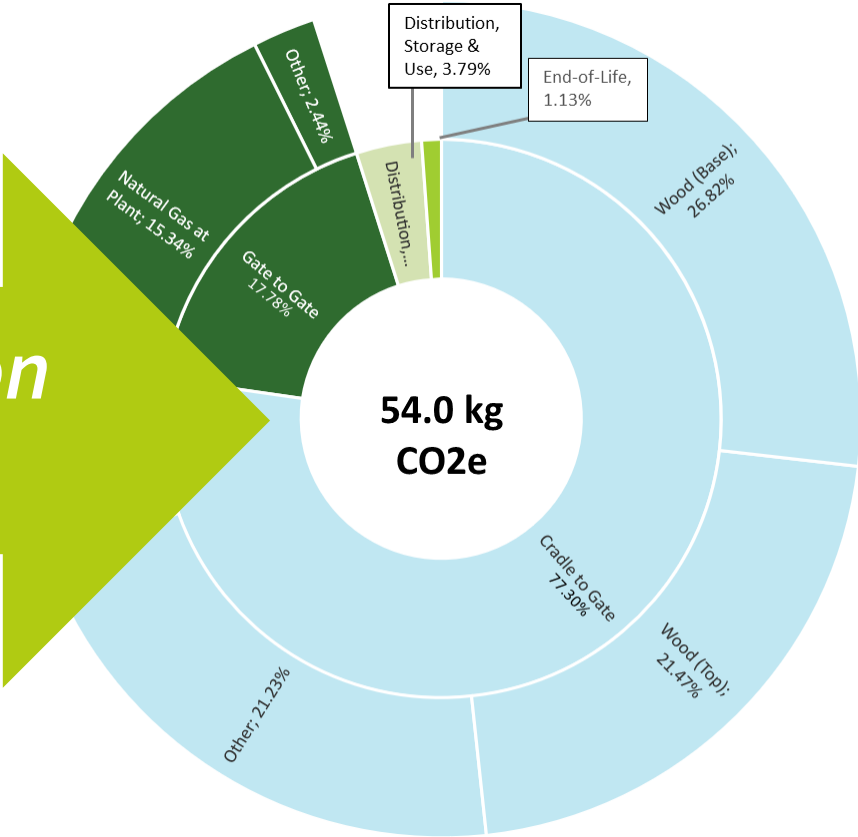


TABLE 2 FROM COMPANY B

*37% reduction
in carbon*

VALUE OF QUANTIFYING IMPACT

Being able to communicate the sustainability attributes of your product helps customers understand how it aligns with their goals – *and by how much.*

Q & A

On behalf of our team — thank you!



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