

Know Your Product Carbon Footprint Requirements



A product carbon footprint (PCF) measures the total greenhouse gas (GHG) emissions associated with a product across its life cycle, from raw material extraction and manufacturing to distribution and, in some cases, end-of-life management. Unlike corporate-level emissions reporting, PCFs provide granular, product-level data that can be shared across value chains.

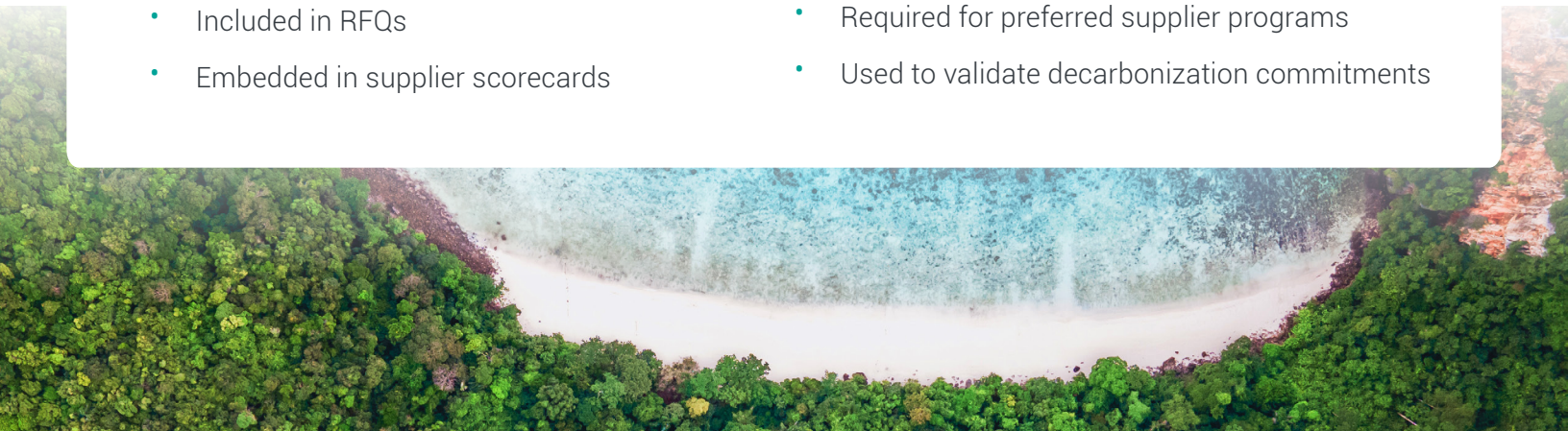
What It Means for Manufacturers

Once considered a voluntary sustainability metric, PCF is rapidly becoming a commercial and regulatory requirement. Manufacturers may be required report on their product carbon data under the following:

- EU Ecodesign for Sustainable Products Regulation (ESPR)
- EU Carbon Border Adjustment Mechanism (CBAM)
- EU Batteries Regulation (EUBR)
- North American and EU extended producer responsibility (EPR) rules
- California's SB 253 (Scope 3 emissions disclosure)

Moreover, investors and B2B customers are increasingly expecting businesses to provide product carbon data and show an effort to reduce their emissions. PCF data is often:

- Included in RFQs
- Required for preferred supplier programs
- Embedded in supplier scorecards
- Used to validate decarbonization commitments



Companies that don't have complete, accurate PCF data face delayed market entry, restricted access to certain regions, additional tariffs, and potential contract loss.

Waiting Is the Costliest Strategy

Manufacturers that make products in the first wave of in-scope categories — such as electronics and batteries — have PCF requirements to meet in 2026 and 2027. There is a lot of data to collect before those deadlines hit. The longer companies wait, the more they rely on rushed, manual data collection and expensive consultants. This drives up costs, increases rework, and compresses already tight supplier engagement timelines as deadlines approach.

To stay ahead, you should:

- Proactively map data from your supply chain
- Treat PCF data management as an ongoing process
- Get automated data management systems in place before enforcement hits
- Create, and stick to, a robust supplier engagement timeline

Get PCF-Ready With Assent

As deadlines for PCF requirements approach, preparation today prevents chaos tomorrow. Assent's scalable, AI-native PCF solution helps you set a strong data foundation so you're ready to deliver accurate information to customers and regulators.

Learn more about our solution.

Contact Us