



# Feedstock Strategy – Executive Overview

## Overview

CarbonCore’s Sustainable Aviation Fuel (SAF) production model is built on a fundamental principle: **a facility’s scale and reliability are only as strong as its feedstock supply**. Rather than relying on long lead-time crop cultivation or single-source contracts, we have developed **a stewardship-based feedstock strategy** that delivers resilience, scalability, and sustainability from day one.

---

## The Challenge with Conventional Models

Many SAF projects commit to growing their own feedstock or contracting from single agricultural sources. This approach:

- Introduces multi-year delays before commercial volumes can be reached.
- Creates seasonal and weather-related risks that can disrupt supply.
- Requires large land allocations, diverting acreage from other productive uses.

Even the largest announced SAF projects using this model face inherent scalability limits — and are vulnerable to failed harvests, disease, or market-driven input shortages.

---

## CarbonCore’s Stewardship Approach

Our model avoids these risks by harvesting existing biomass waste - material already grown and often underutilized - through partnerships with forestry, land management, and regional biomass stakeholders. This includes:

- By-products from sustainable forestry operations.
- Residual biomass from agricultural and land management cycles.
- Material diverted from decay, open burning, or landfill.

This feedstock is then managed under strict stewardship protocols designed to maintain ecological balance, protect soil integrity, and ensure long-term regeneration.

---

## Advantages

- **Immediate Supply** – No waiting for crop maturity; feedstock is available from day one of operations.
  - **Resilient Volumes** – Diversified, multi-region sourcing reduces dependency on any single supply stream.
  - **Lower Risk Profile** – Avoids weather-dependent yield fluctuations and annual planting risks.
  - **Sustainability Alignment** – Compliant with CORSIA, RFS, and ESG standards from the outset.
- 

## Scalability Outlook

By leveraging a stewardship model, CarbonCore can rapidly scale production capacity without being constrained by agricultural cycles. This approach is replicable across geographies, enabling future SAF facilities to be sited where infrastructure and market access are optimal, not just where dedicated crops can be grown.

---

*This executive overview is designed for investor review and high-level stakeholder engagement. Detailed sourcing maps, partner profiles, and risk matrices are available in the restricted-access Feedstock Strategy subfolders.*