

# CarbonCore – DOE Loan Programs Office (LPO) Strategy Brief

## Overview

CarbonCore Inc. is advancing a transformative clean energy initiative anchored in Eastern Kentucky, with a primary focus on large-scale Sustainable Aviation Fuel (SAF) production and deep integration of advanced carbon technologies. As part of our capital stack strategy, CarbonCore is pursuing engagement with the U.S. Department of Energy's Loan Programs Office (LPO) under its Title 17 Clean Energy Financing Program.

## LPO Alignment

CarbonCore has already held a formal consultation with the DOE's Loan Programs Office. Based on feedback from the LPO team and internal alignment reviews, our anticipated project financing structure—targeting \$1.2 billion+ in long-term federal debt—meets the LPO's program criteria and strategic priorities.

Key areas of alignment include: - U.S.-based SAF production and decarbonization of aviation fuel supply chains - Job creation and economic revitalization in a qualified Energy Community (Boyd County, KY) - Technological innovation in carbon utilization and gasification - Long-term rural industrial resilience with strong public-private partnerships

## Use of Proceeds

The LPO facility is expected to support: - Full-scale commercial buildout of SAF production at up to 40,000 barrels per day - Integration of AI-driven automation, carbon capture, and advanced feedstock blending - Infrastructure development, including utilities, rail, and logistics - Working capital and interest reserves through commissioning

## Timeline & Status

Our bridge capital round (\$14–19.6M) is closing now to support land acquisition, FEL-2 engineering, and initial team onboarding. Following this, CarbonCore will commence LPO Part I submission (targeting Q4 2025), with anticipated Part II filing in mid-2026.

We view the LPO partnership as a central pillar of our long-term capital stack and are structuring our Series A to complement—not replace—federal debt.

## Contact

For further discussion: Michael A. McKenzie  
Founder & CEO, CarbonCore Inc.  
Email: [michael@carboncore.ky](mailto:michael@carboncore.ky)  
Website: [www.carboncore.us](http://www.carboncore.us)