

PROJECT INFORMATION

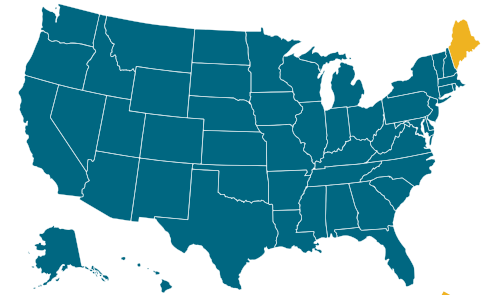
# Enfield Biochar



CARBON  
STREAMING

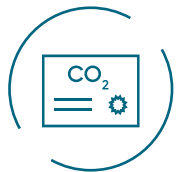


Standard  
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## Project Highlights

Located in Enfield, Maine, the Enfield Biochar project involves the construction of a biochar pyrolysis pilot facility by Standard Biocarbon Corporation. The project employs carbonization systems through the process of pyrolysis, where woodchips and sawdust from the nearby Pleasant River Lumber Company mill are converted into premium-quality biochar that meets specifications for the highest value applications. Biochar, short for biological charcoal, is a stable, porous, near-pure form of carbon which remains inert for centuries. The project is expected to prevent the release of approximately 90,000 tCO<sub>2</sub>e from entering the atmosphere over 30 years.



Expected to generate over 2,992 CORCs annually, representing the sequestration of 89,760 tCO<sub>2</sub>e over the life of the project



Positively impacting communities by providing local employment opportunities



Improving resilience during extreme weather events



Investing in new, sustainable technology to advance climate change adaptation

# By the Numbers

**Project term:**

30 years

**Vintage(s):**

2023+

**Price:**

Indexed against market pricing\*

**Expected annual credit generation:**

2,992 CORCs

**Registry ID:**

Puro.earth (expected)

**Potential carbon avoidance over project life:**

90,000 tCO<sub>2</sub>e

\* OPIS, NCEO, Platts, Allied Offset, Trove

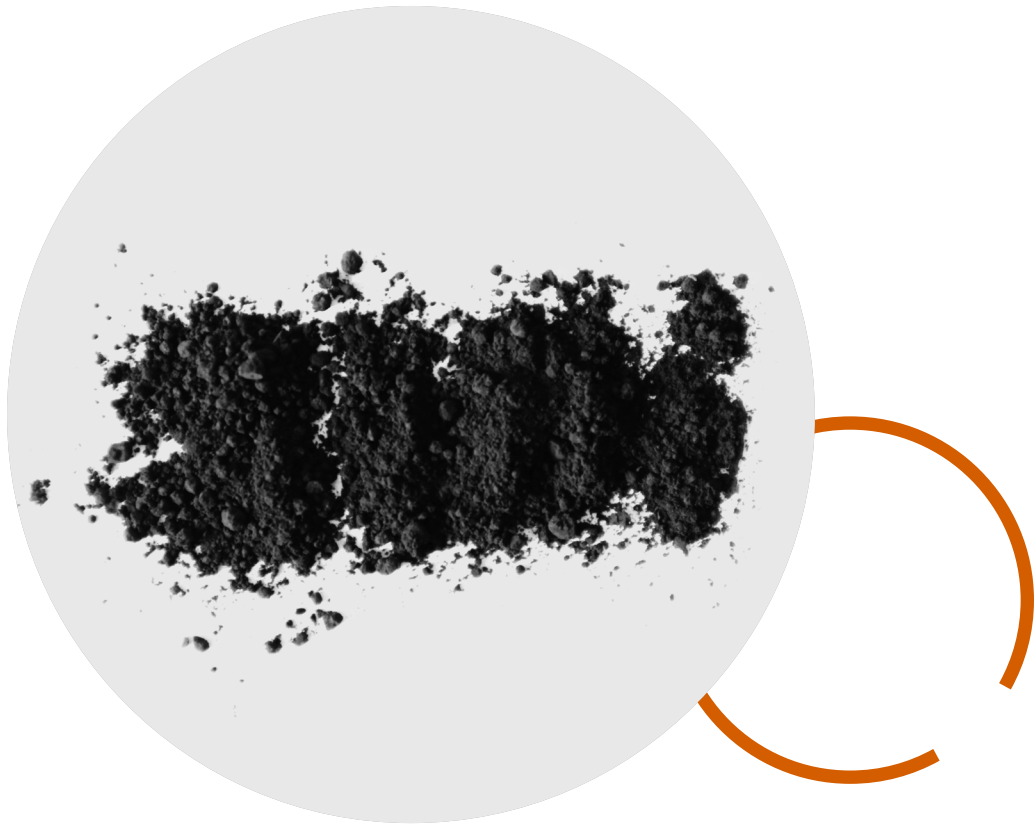


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# Impact Highlights



## Removing and Storing Carbon

Biochar is created when biomass is heated in the near or total absence of oxygen, a process known as pyrolysis. Many natural processes produce biomass waste that is often disposed through burning or decomposition, which release carbon dioxide and methane into the atmosphere. Using pyrolysis to convert waste biomass into biochar retains most of the carbon present in the biomass, while increasing the permanence of carbon storage. Biochar's stable structure makes it possible to store carbon for a long period of time (up to centuries).

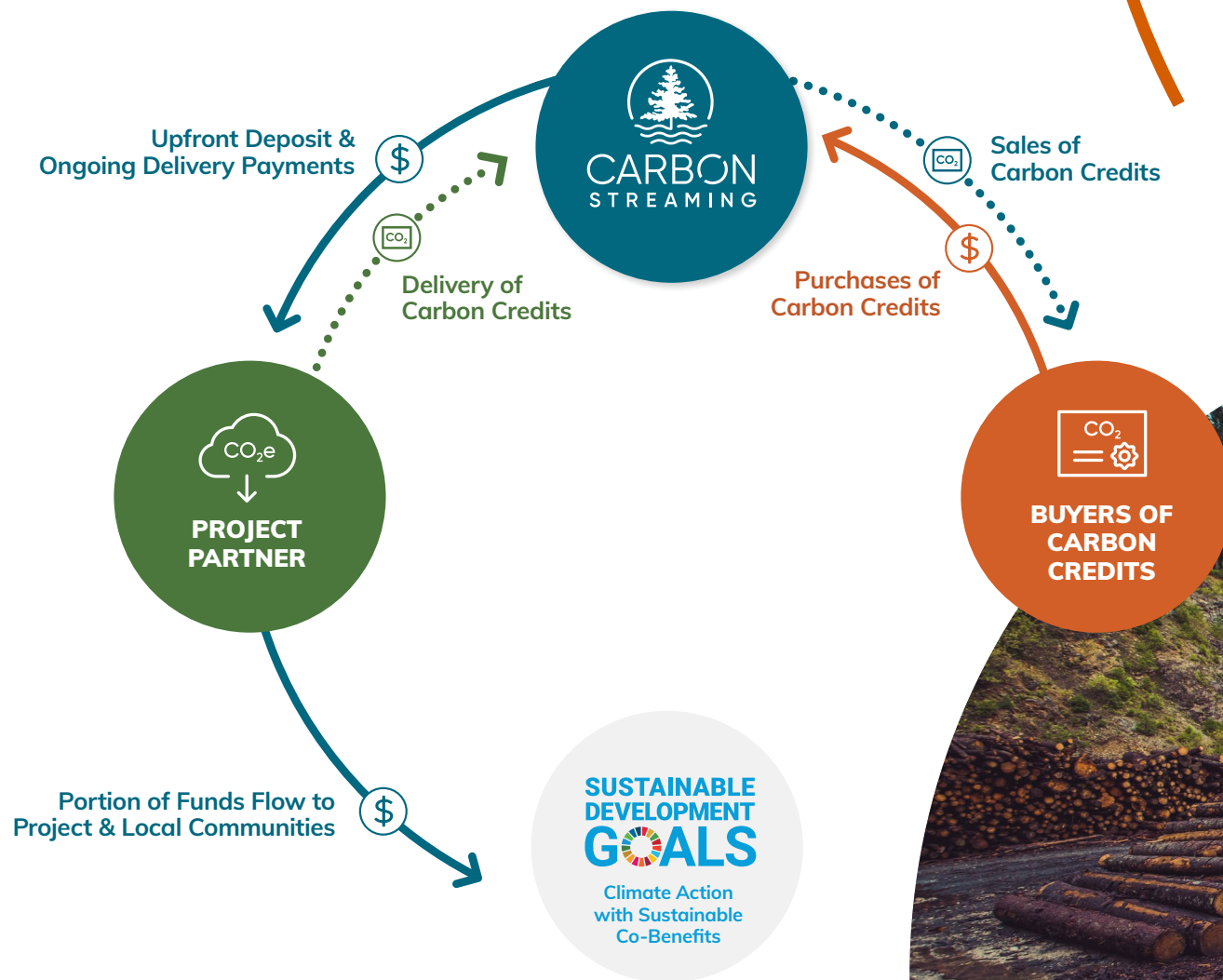
## Advancing Sustainable Developments

In addition to its carbon removal and sequestration capabilities, biochar can play an important role in climate change adaptation by increasing the water retention capacity of soil and catch basins, improving resilience to extremes in precipitation and mitigating harmful runoff. Biochar also enhances soil by improving nutrient and water retention, increasing crop productivity.

Beyond environmental remediation, biochar has multiple other beneficial applications in agriculture and construction materials, along with other co-benefits. For example, the project has the potential to deliver energy conservation as the heat generated in the pyrolysis process is expected to be used in the nearby mill's drying kilns. The project is also expected to contribute to the local economy by providing employment in nearby communities.



# Carbon Streaming Model



Carbon Streaming has entered a stream agreement for the right to receive a portion of the carbon credits generated from the Standard Biocarbon portfolio. The grouped project is expected to generate approximately 89,760 CORC credits over the next 30 years.

This document has been provided for informational and discussion purposes only. For additional specific information about the project, please contact Carbon Streaming Corporation.

Carbon Streaming aims to accelerate a net-zero future by using stream financing to scale high-integrity carbon credit projects that generate genuine and additional emission reductions and removals to support global climate action and advance the United Nations Sustainable Development Goals. Our long-term investments are designed to align interests between project developers and organizations using carbon credits to tackle climate change and deliver further positive impacts on the environment, local communities and biodiversity.

## Learn More

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