

## Biochar

A very stable, solid form of carbon that can endure in soil for thousands of years, making it an ideal technology for scalable carbon removal.

Multiple commercial uses at potentially industrial volumes, for example, in soil improvement and wastewater treatment. It is produced from biomass or biowaste, through pyrolysis (heated in the absence of oxygen).

Permanence :  
**100+ years**



### PROJECT NAME

## Edgewood Biorefinery

[VIEW ONLINE LISTING](#)

### PURO REGISTRY ID

643002406801000558

### LISTING PRICE

121 € (based on \$170 CAD)

### LOCATION

Carrot River, Saskatchewan

### SUSTAINABLE DEVELOPMENT GOALS

- Climate action
- Affordable and clean energy
- Decent work and economic growth
- Industry
- Innovation and infrastructure
- Sustainable Cities and communities
- Responsible consumption and production

# BC Biocarbon

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### COMPANY DESCRIPTION

BC Biocarbon was founded in 2011 and headquartered McBride, BC, Canada. Using our proprietary biorefinery technology we produce bioenergy and biogenic carbon products (including biochar, biochemicals and other pyrolysis-derived products). Our mission is to massively accelerate atmospheric decarbonization via carbon removal and fossil carbon displacement while producing high-utility products.

### PROJECT DESCRIPTION

BC Biocarbon's new Edgewood biorefinery will be located near the town of Carrot River, Saskatchewan, Canada. The biorefinery will process 10 dry tonnes per hour of sustainable forestry waste feedstock, and sequester 44,000 tonnes of CO<sub>2</sub>e annually into biochar. Other co-products will be produced at the facility including heavy and light fraction carbon-based chemicals, water-based liquid products such as wood vinegar, and gases for thermal combustion.

### CO-BENEFITS AND ECONOMIC ACCELERATION IMPACTS

Environmental improvements will be realized through cleaner local water and air conditions. Our project reduces water run-off contamination from tannins and eliminates smoke pollution, including nitrous oxide and methane emissions, by allowing for the retirement of beehive burners; our bio-refinery sequesters the carbon instead of combusting it. Social benefits to the local and small community of Carrot River will result from improved water and air quality, as well as through the creation of approximately a dozen new full-time jobs at the bio-refinery.

# BC Biocarbon

Edgewood biorefinery building Phase 1 completed.



Wood residues to high environmental value biochar.

## BC Biocarbon

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BC Biocarbon  
Black Bear Biochar.



Select >6mm biochar.  
Also comes in <2mm,  
and 2-6mm.

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BOOK MEETING

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