



THE ROLE OF BIOCHAR



with:

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2024
WALL STREET
GREEN SUMMIT™



PURPOSE AND VISION

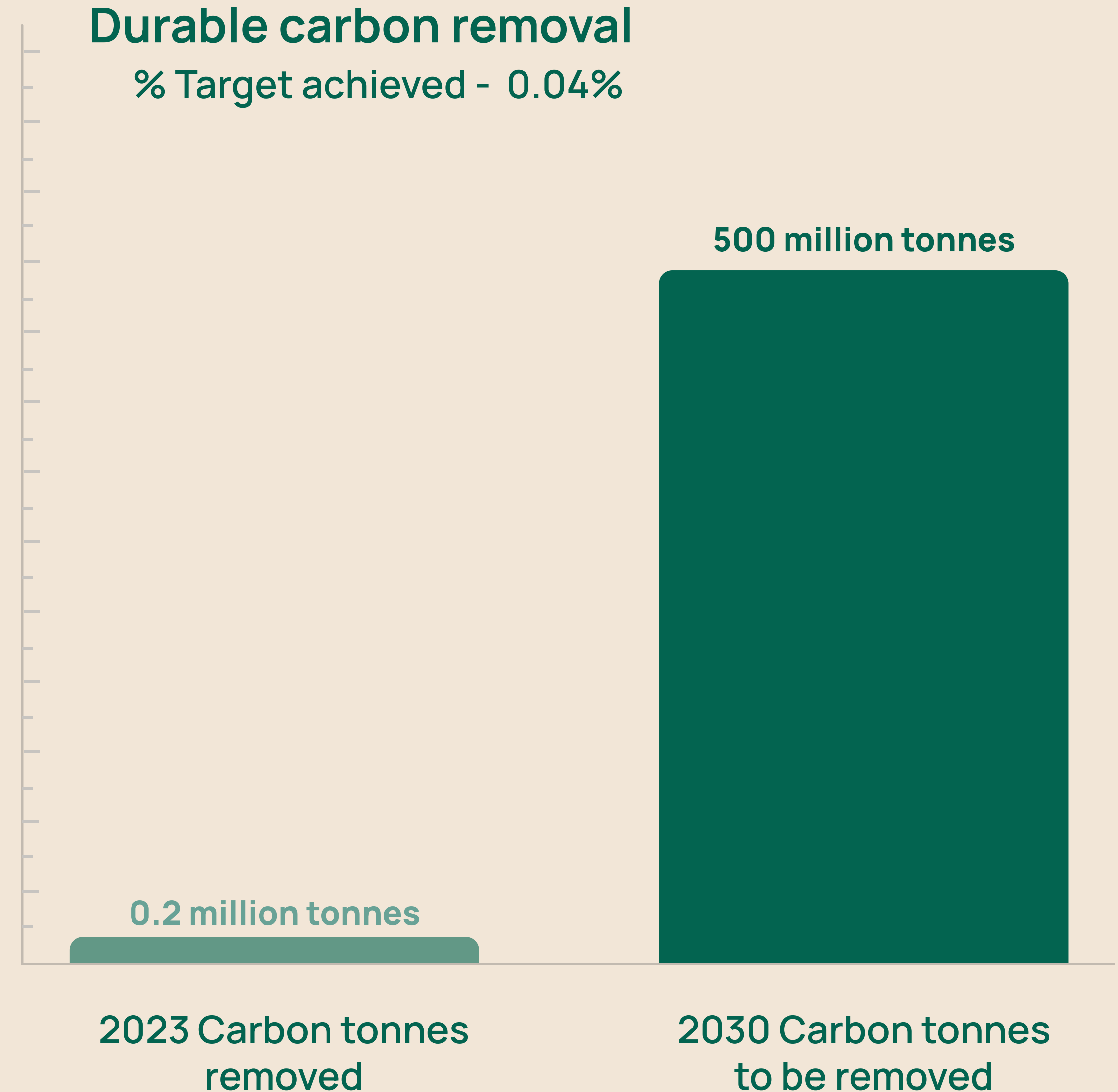


**Making Scope 3
decarbonization possible
at scale through supply
chain interventions**

CORE PROBLEMS

Supply chain interventions fail to have the desired impact

-  Projects fail to select the right equipment, financing models, and understand carbon accounting rules
-  They run out of time and money, due to complexity in navigating the selection of experts, market complexity, overall lack of support to navigate
-  No support means decarbonization projects fail to attract investment, being perceived as risky.



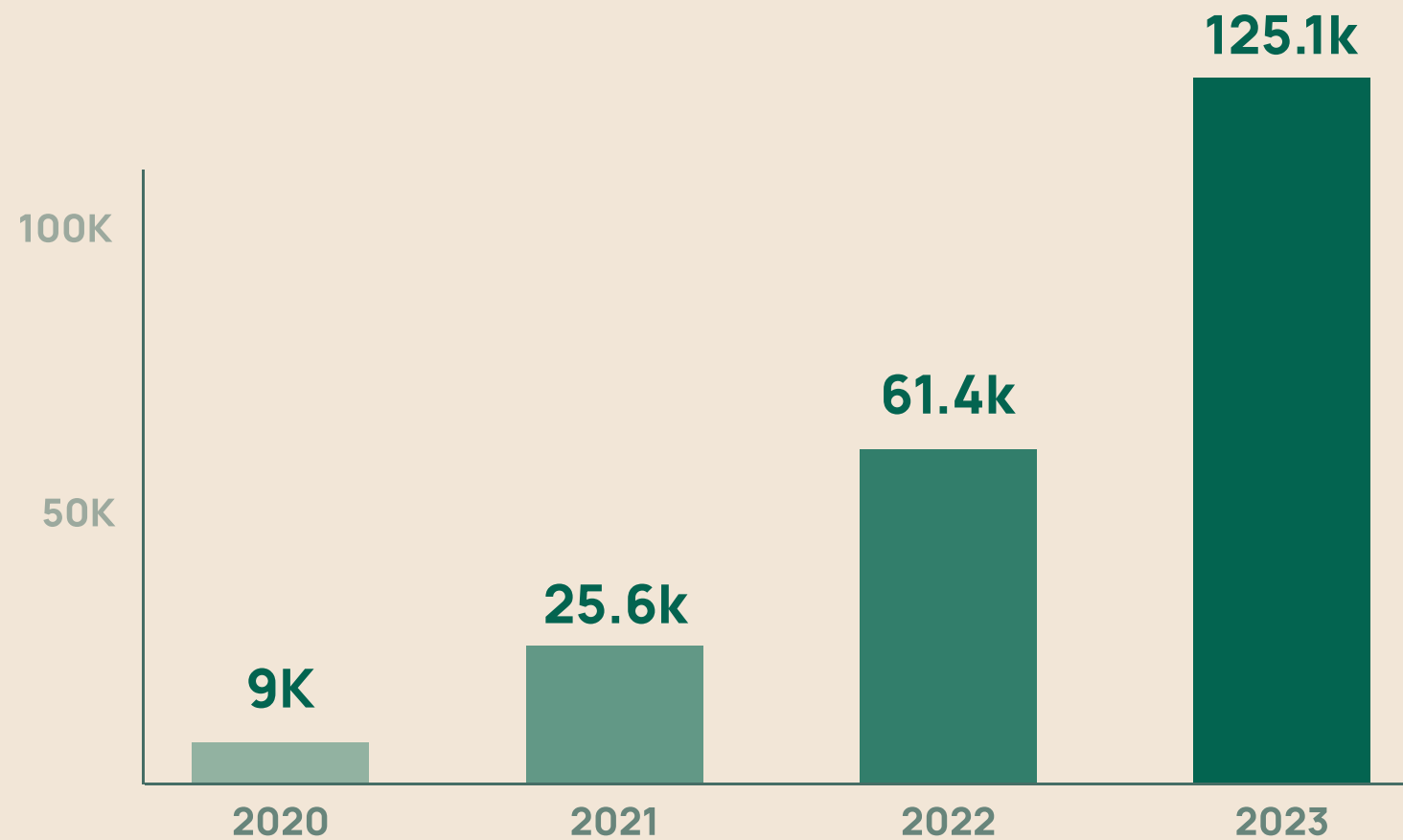
Global Carbon Dioxide Removal Market

Investments and Purchases are Increasing

Investment is being made into the market and purchases are increasing, but removal delivery is still lagging behind

Carbon removal delivered

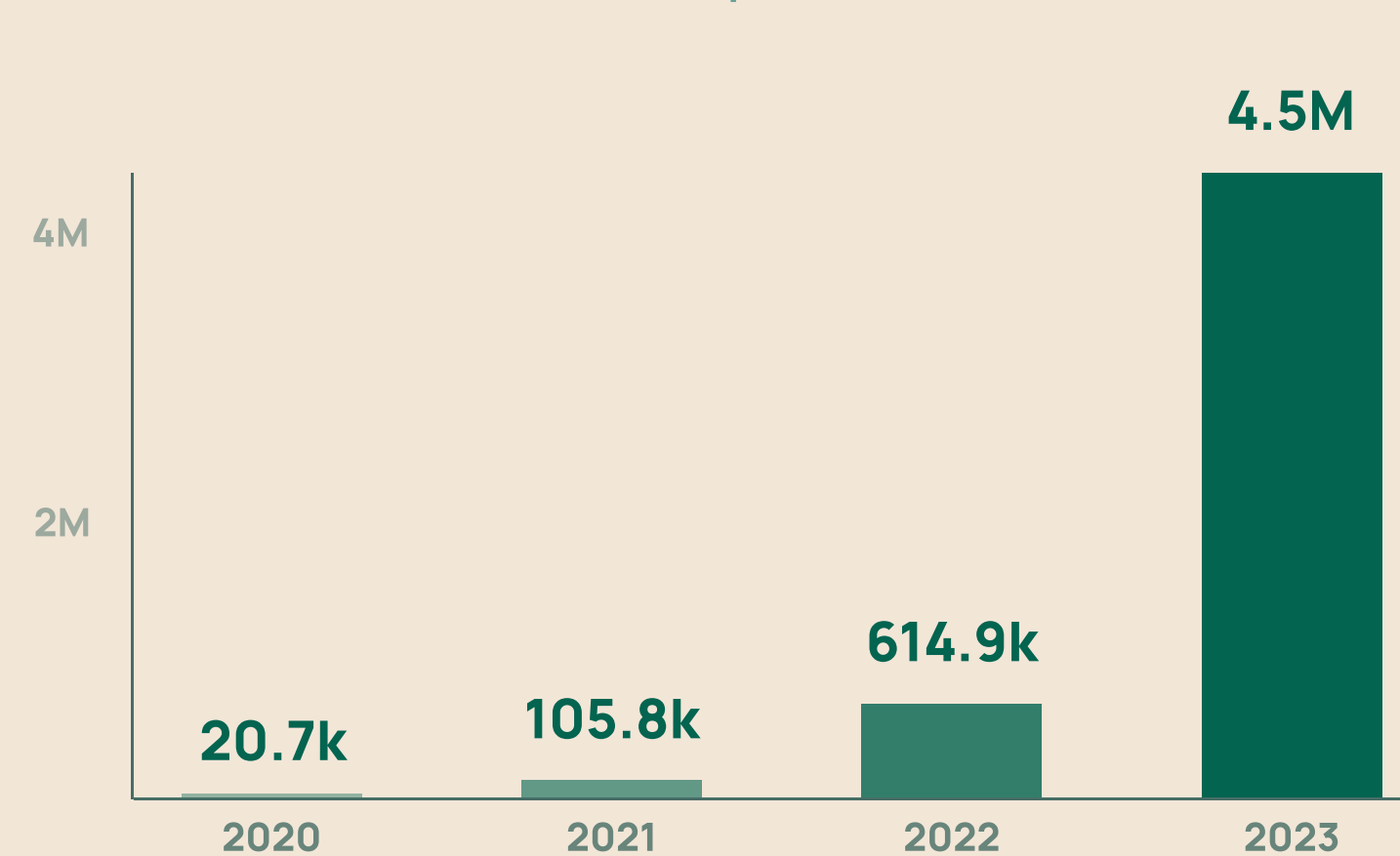
Total tonnes of carbon removal delivered



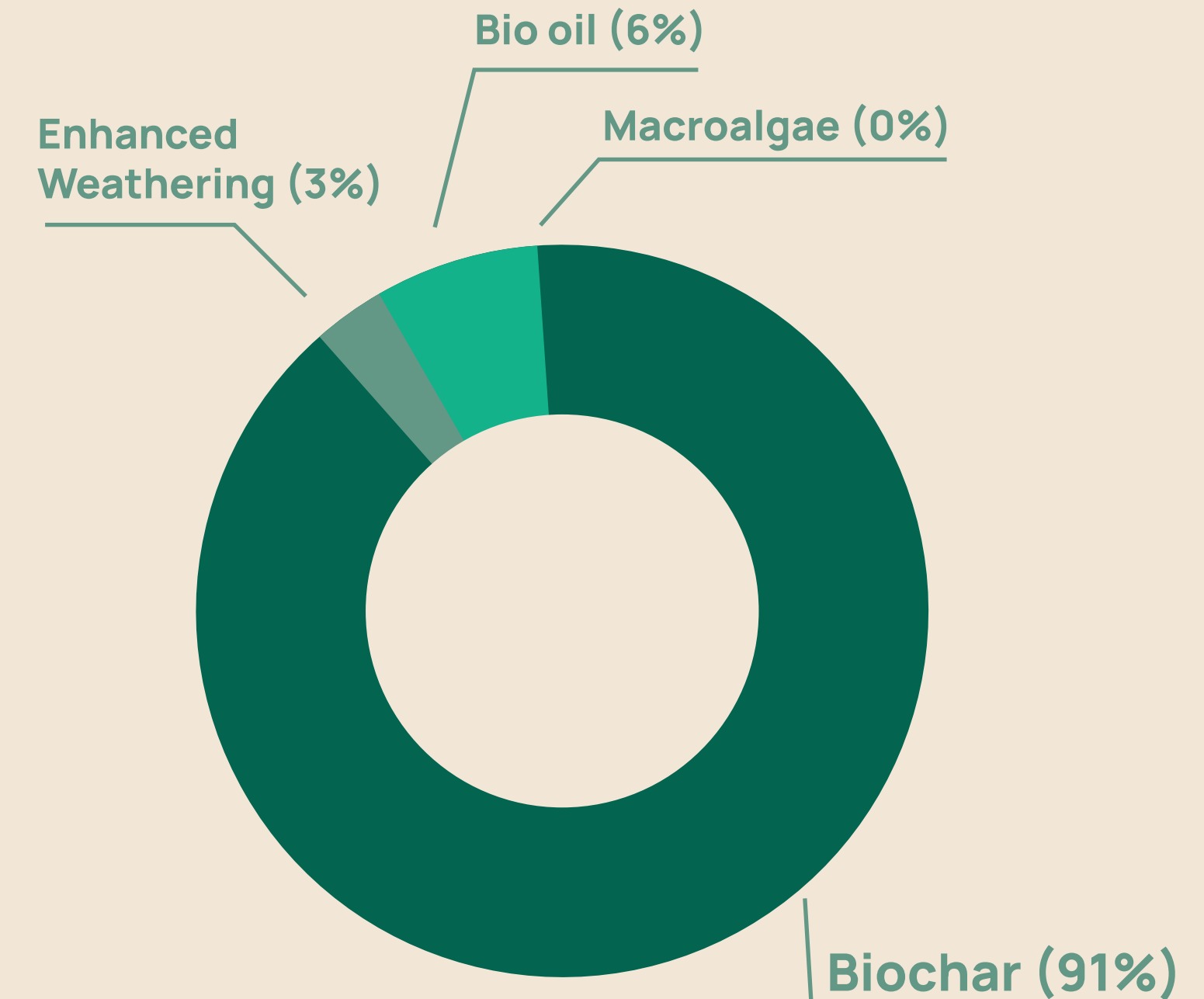
Deliveries grew 2x from 2022 to 2023, up to 125kt

Carbon removal purchases

Total tonnes of carbon removal purchased



CDR purchases grew 7.3x to 4.5 megatonnes (Mt), up from 0.615 Mt in 2022



Biochar represented 91% of CDR deliveries

SOURCE

Closing the Gap: Companies increasing removal purchases and project investments, yet delivery falls short

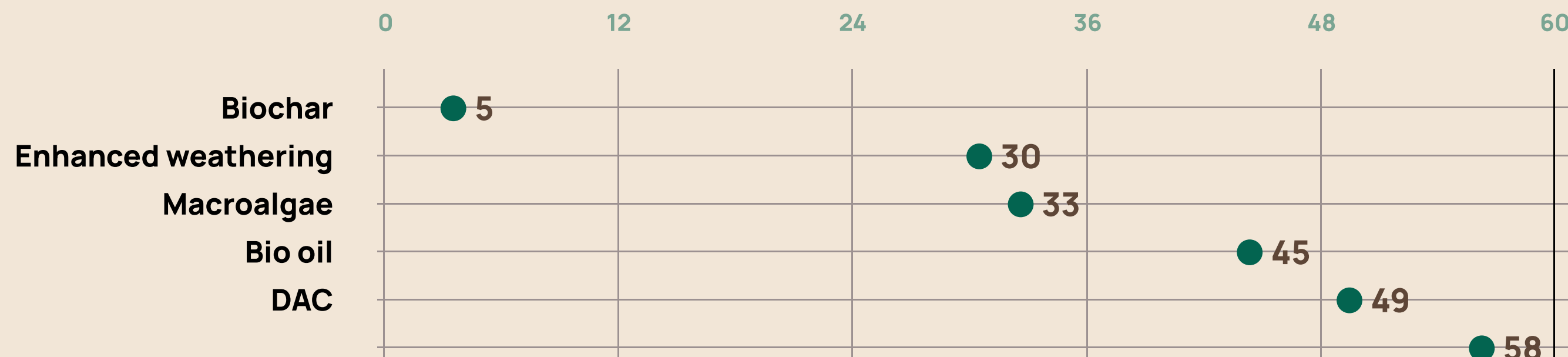


Nearly all of the roughly 65,000 metric tons of carbon dioxide that have been removed from the atmosphere to date have been sequestered using biochar, according to estimates from data provider CDR.fyi.

THE WALL STREET JOURNAL

According to Reuters, only 2.6% of the 4 million tons of CO2 purchased have been delivered, with the majority facing an expected 5-year wait. These sales contribute less than 0.05% towards meeting the IPCC's 10 Gigaton target for CDR by 2050.

Time to order fulfillment Average number of months between order and expected delivery



The Carbon Dioxide Markets have been marred by fraud, leading to a focus on reliable options like Biochar, which offers serious permanence. In this sector, 94% of delivered credits were Biochar, with other types purchased but not delivered.

Collaborative solutions: harnessing carbon offsets, philanthropic capital, and unprecedented public policy

The Federal
**Carbon
Dioxide
Removal
Leadership
Act**

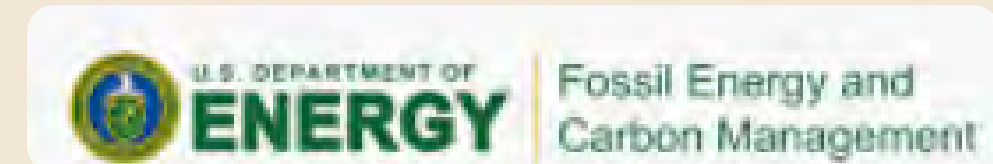
H.R. 7434 / S 4280



Rep. Paul Tonko
D-NY10



**USDA NRCS Code 336 & 808
Soil Carbon Amendment**



**HOW CALIFORNIA'S
SB 253 & 261
WILL IMPACT GLOBAL
SUPPLY CHAINS**

Miller-Meeks Reintroduces Biochar Research Network Act

The climate change movement transcends political administrations, driven by global consensus, technological advancements, corporate accountability, and scientific advancements

POWERING THE CIRCULAR ECONOMY WITH BIOCHAR



Biochar is a stable form of carbon made by heating organic materials in a low-oxygen environment.

Biochar provides a solution that turns waste into value, enhancing circular productivity in agriculture, construction, and water filtration, all while capturing atmospheric carbon dioxide.

Biochar credits are in high demand because it is among the most durable Carbon Dioxide Removal (CDR) technologies currently available. It is also receiving major Government support.

GRAIN PROVIDES THE SUPPORT ECOSYSTEM

A digital workplace where members build impactful carbon removal projects to:



Eliminate Hurdles

Making carbon accounting, finance and technology selection simple!



Condense timelines

Through introductions to the right partners, at the right time.



Minimize risks

By leveraging transparent methodologies, analytics, and AI



Where the carbon removal community meets

Our tools will help streamline projects, find investment opportunities, and become an active member of the carbon market faster and easier than ever before. Your decarbonization journey starts today.

Ready?
Let's get
to work

Start a new project
instantly, create an
account or log back in

Any questions? Please [contact us](#)

 I'm a developer

 I want to invest

[← Go back](#)

Where the carbon rem community

Our tools will help streamline projects, opportunities, and become an active market faster and easier than ever before. Your journey starts today.

New project

Before we start, please name your project and select one of the following methodologies. If you are unsure of which methodology to choose, consult [our knowledge base](#) for useful information!

Name your project

My New Project!

Choose a registry

puro • earth

Version 2.0

Verified Carbon Standard
A VERRA STANDARD

Version 1.1

CREATE PROJECT

I'm a developer

I want to invest

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Hello,
username

User menu:

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mariaalonso

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Investment opportunities

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Cane Group Intl Jawa Barat, Indonesia

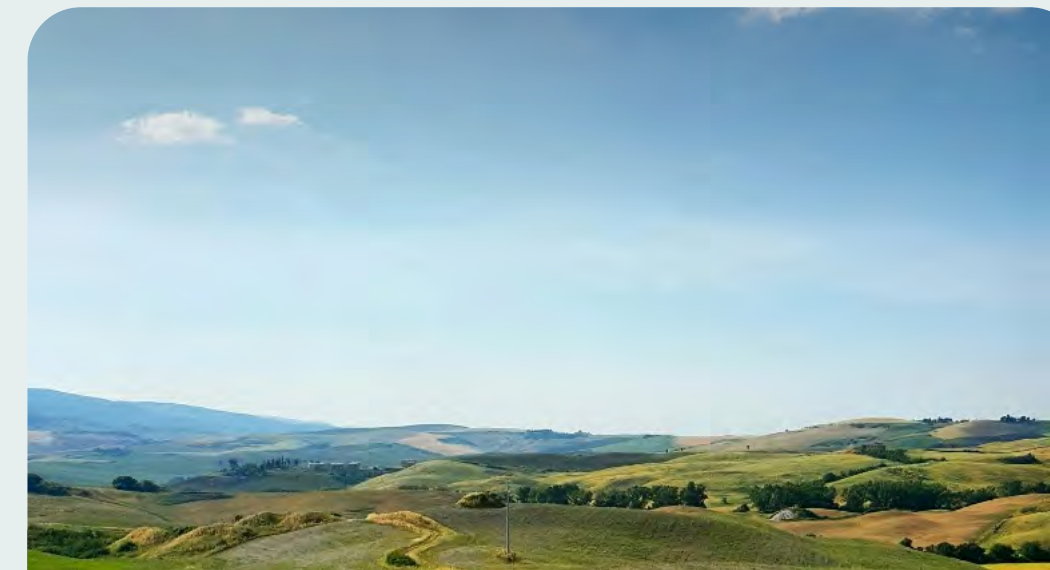
Site 001 - Indonesia

Net emission reduction **21,082 tCO2e/yr** Biochar production **11,704 tonnes/yr**

NPV **\$ 20,480,544** IRR **36.4%**

Investment needed **\$14,785,548**

CHECK DETAILS



Biochar Company Marigat Town, Kenya

Greenfields Kenya

Net emission reduction **3,092.6 tCO2e/yr** Biochar production **1307.8 tonnes/yr**

NPV **\$ 1,004,328** IRR **23.4%**

Investment needed **\$2,230,073**

CHECK DETAILS



BUILDING BLOCKS OF BIOCHAR PROJECT FINANCE



EQUITY FINANCING

CARBON REMOVAL
CREDIT PRE-PURCHASE

JUNIOR DEBT

BANK LOANS

GRANTS

JOIN TODAY TO INVEST IN THESE SOLUTIONS

SIGN UP NOW FOR A FREE DEMO



ASSESS GHG ACCOUNTING & PROFITABILITY



REVIEW PUBLISHED OPPORTUNITIES

