

Local Waste to **Biochar**: Driving **Carbon Capture** and **Climate-Smart Agriculture** 



Learn more at c6b.us

## C6B creates carbon-negative biochar at scale



We transform local waste into affordable biochar that supports climate-smart agriculture while sequestering carbon in southern California



Delivering quality biochar with every order



Leveraging scale to maximize impact



Building trust and integrity with partners



Advancing sustainable, resilient communities



Driving innovation for better outcomes

## C6B is a partnership and a vision for the future





- 525 acres outside of Temecula, CA
- Former mining site turned composting facility
- Manages >600,000 tons of local biomass annually
- Providing biochar feedstock through key partnership

Organic Depot – Feedstock Partner



- Former Green Beret; career in coal and private equity
- Concerned with long-term legacy and impact
- Discovered opportunity to create biochar with Organic Depot
- Built a team through Climatebase Fellowship

Derek Zahler – Founder and CEO

## Biomass stock in Temecula, CA is underutilized





**Excess Waste** 

Over 600,000 annual tons of organic waste at single site



**Suboptimal Solutions** 

Composting generates low value and emits methane



**Ongoing Drought** 

Water conservation and soil quality are key to local growers

## Low-cost and mature carbon solutions are needed now





**Supply Gap** 

CO2 removal demand dwarfs current supply capabilities



**Urgent Action** 

Immature carbon solutions have high cost and low scale



**Viable Business** 

CDR credit sales alone can't sustain stable, long-term growth



# C6B transforms local waste into lasting, climate-smart agricultural value through biochar

**Local Solution** 

Upcycles Existing Waste

Improves Current Practices

Reduces
Irrigation Needs

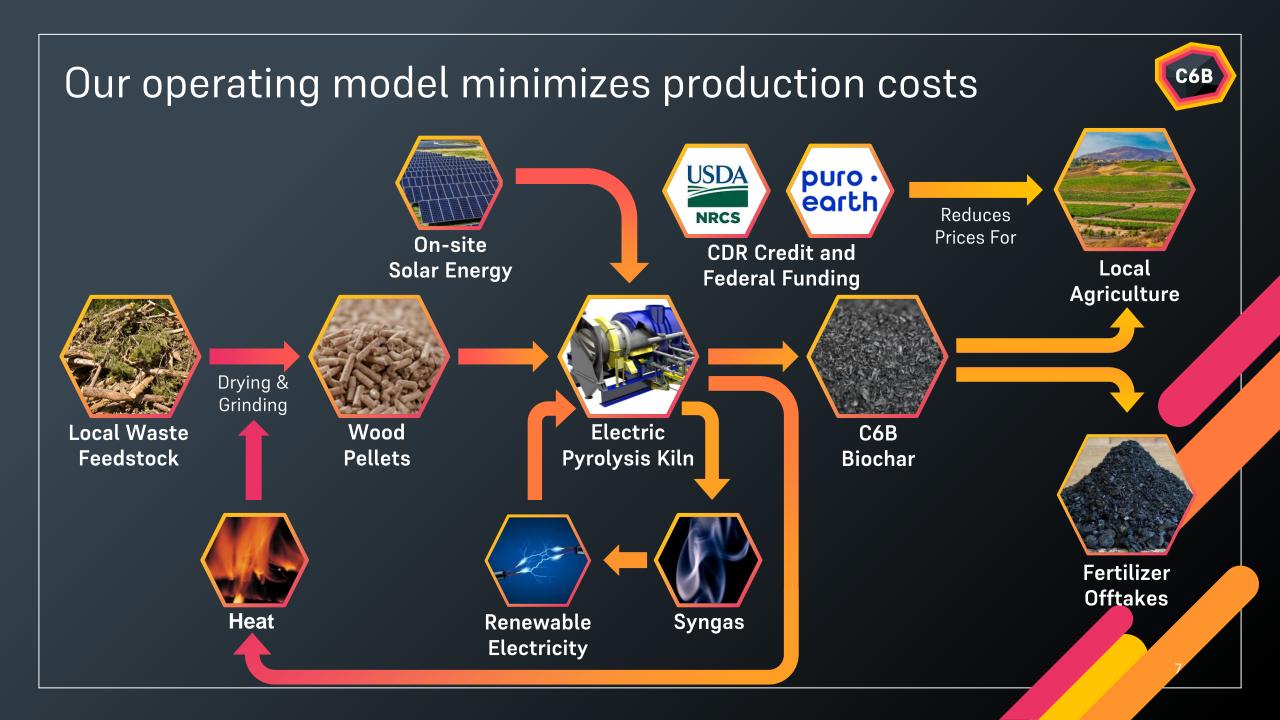


**Carbon Solution** 

Produces Carbon Credits

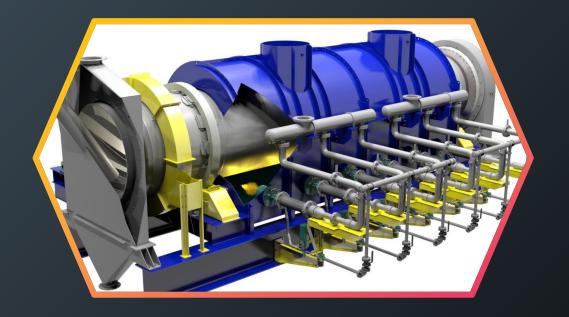
Mature and Ready-to-Deploy

Creates Valuable Products



## We leverage scale to maximize our carbon impact





5-25x times larger than industry average kilns

Delivers 25,000+ tons of biochar annually Sequesters 60,000 tons worth of CO2 each year

## Biochar has diverse applications



## As a climate-smart soil amendment



**Crop Yield** 



Nutrient Availability



**Water Retention** 



**Soil Structure** 

## In regenerative agricultural products



**Fertilizers** 



Horticulture



Livestock

# Global and local markets are positioned for growth



Global 2030 Biochar Market:

\$15.5B

**CA Available Market:** 

\$1.7B

C6B Obtainable Market:

\$204N

## **Beachhead Markets:**







Tree Nuts



**Fertilizers** 

# We succeed through collaboration and partnerships



#### **Customer Segment**

Short

Term

Long

**Term** 

Agricultural growers

Agricultural suppliers

Credit buyers

#### Marketing Channel

Growers' associations

Industry events

Direct sales and offtakes

Credit marketplaces

#### **Enabling Partnerships**

Agricultural research groups



Government entities



Research universities



Industry groups



Carbon developers



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## C6B has traction to swiftly create impact



### 2024 2025 2026

- Feedstock agreement
- Pyrolysis kiln design
- Kiln construction start
- Biochar pilot and analysis

- Product demand confirmation
- Credit certification and presale
- Kiln construction complete
- Biochar production begins

- Scale production to 25,000 tons annually
- Expand biochar product applications

# Our team draws on diverse experiences to drive impact





Derek Zahler Founder







Rob Klavins
Partnerships





J.P.Morgan



Tyler Strafford
Chief of Staff







Fuming Yang
Engineering









Greg Billington
Finance









Simon Sage Communications







## We're ready. Are you?



**Our Partners:** 











Thank you for your interest in C6B. For more information or to collaborate, please reach out:

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