

CARBON REMOVAL PURCHASE AGREEMENT

Stripe, Inc., a Delaware corporation (“Stripe”), and Arbor Energy and Resources Corporation, a Delaware C-Corp (“Company”), hereby enter into this Carbon Removal Purchase Agreement (“Agreement”) effective as of December 15, 2022 (“Effective Date”).

1. Background

Stripe is paying funds to various third parties that are pursuing projects to remove carbon dioxide and other greenhouse gas emissions in the atmosphere for itself and/or as part of the advance market commitment known as “Frontier” (“Commitment”). As part of Stripe’s Commitment, Stripe may purchase carbon removal and carbon sequestration services from various third parties and Stripe may provide research and development funding to such third parties to continue to advance the carbon removal and sequestration field. For third parties that successfully deliver on Stripe’s carbon removal purchase and advance their research project, Stripe may commit to future carbon removal purchases. For purposes of this Agreement, “Frontier” includes Frontier Climate Management, LLC, Frontier Climate, LLC, and their respective affiliates and members.

2. Carbon Removal Purchase

Stripe will pay Company \$333,333 USD within forty-five (45) days after the Effective Date to remove and store 667 metric tons of carbon dioxide by December, 2026 (the “Carbon Removal Purchase”). The terms and conditions of the Carbon Removal Purchase are set forth in Exhibit A, which is hereby incorporated by reference.

The project application detailing the activities by which the Company will complete the Carbon Removal Purchase (the “Project”) is available on <https://github.com/frontierclimate/carbon-removal-source-materials>.

3. Use of Funds.

Company agrees to use funds paid by Stripe solely for the purposes outlined in this Agreement. Use of any portion of the funds for any other purpose requires prior written approval by Stripe. Company agrees to repay Stripe any portion of the funds paid by Stripe that (a) is not used for the purposes set out in this Agreement; or (b) represents the proportional amount by which Company fails to complete the Carbon Removal Purchase (provided, however, Company will not be deemed to have failed if it (i) has used all commercially reasonable efforts in good faith to complete the Carbon Removal Purchase and (ii) is unable to remove and store carbon dioxide for all other customers of Company). Company agrees that it will not use any of the funds paid by Stripe to: influence legislation or election; conduct or support any illegal activities, and/or; provide funds to any country, organization, entity, or person embargoed or blocked by any government, including those on sanctions lists identified by the United States Office of Foreign

Asset Control. Company agrees it will comply with applicable law.

4. Interim Milestones

Exhibit A lists milestones that Stripe anticipates will be required for Company to achieve the conditions defined in Section 5 below; these milestones will assist Stripe and Company in understanding Company performance throughout this Project.

By December, 2026, as part of the completion of the Carbon Removal Purchase, Company will furnish a written report to Stripe outlining: (i) how funds were used to contribute to the removal of carbon dioxide; (ii) how many tons of carbon dioxide were removed and at what cost; (iii) proof of tons removed; and (iv) a narrative description of Company's progress and challenges to completing the Project. Company shall provide Stripe with copies of any research or publications that it produces in connection with the Carbon Removal Purchase and Project.

5. Future Carbon Removal Purchase

Upon all of the renewal conditions set forth in Exhibit A being met, Stripe, or an affiliate thereof, for itself or in connection with Frontier, may enter into negotiations for a new offtake agreement to purchase at minimum \$1,000,000 USD worth of additional carbon removal and sequestration services from Company ("New Carbon Removal Purchase").

Any New Carbon Removal Purchases, whether by Stripe or another member of Frontier, shall have a price/ton that is the lowest available price provided to any purchaser or prospective purchaser at the given volume level prior to or at the time of negotiation. Payment will be provided upon delivery of the additional volume.

6. Publicity.

- a. Stripe will draft a public announcement of the Carbon Removal Purchase for review and approval by Company, such approval not to be unreasonably withheld. After Stripe has publicly announced the Carbon Removal Purchase and funding of the Project, whether for itself and/or as part of Frontier (the "Announcement"), both parties agree that either party may disclose the terms included in the Announcement and all information about the Carbon Removal Purchase and Project other than Confidential Information to third parties without the other party's consent (provided for clarity, that each party shall maintain the confidentiality any Confidential Information). "Confidential Information" (i) is information that is identified as confidential or proprietary or that, given the nature of the information or the manner of its disclosure, a reasonable recipient would understand to be confidential or proprietary (including all information relating to the disclosing party's technology, business plans, marketing activities and finances) and (ii) shall exclude any information required to be disclosed by applicable law.
- b. Company also grants Stripe the right to use Company's logos, marks, and research materials/reports provided to Stripe, in relation to any discussion by Stripe to Stripe's

climate initiatives, Frontier, and/or when referencing Stripe's Carbon Removal Purchase or Project funding. Company agrees to the Stripe Marks Usage Agreement (available at: <https://stripe.com/marks/legal>). Either party may limit or revoke the other party's ability to share this Agreement or its terms or use the granting party's logos and marks at any time. Prior to the Announcement, Stripe may share the terms of this Agreement with its employees, financial partners, and contractors with a need to know such information, as well as expert reviewers and journalists. Notwithstanding anything to the contrary herein, Stripe shall be permitted to share this Agreement with Frontier and its founding members.

7. Project Review and Records.

In order to confirm the Carbon Removal Purchase was completed, that Project funds were used for purposes outlined in this Agreement, or to confirm Company did not breach this Agreement, Company will permit representatives of Stripe (or one of its affiliates, including, without limitation, Frontier) to visit Company's premises and review Company's activities with respect to the Carbon Removal Purchase and Project, to include viewing the Project. Company agrees to provide Stripe with any information that Stripe determines it needs for accounting or tax purposes or to comply with applicable laws.

8. Termination.

Either party may terminate this Agreement upon a material breach of this Agreement by the other party if such breach has not been cured within thirty (30) days' of notice of such breach, in which case any unused funds and/or funds used in breach of this Agreement must be returned to Stripe within thirty (30) days of termination.

9. Indemnification and Limitation of Liability.

Company will defend Stripe from and against any claim by a third party to the extent the claim is related to Company's acts or omission. Each party's and its affiliates' total liability to the other party and its affiliates for all claims in the aggregate (for damages or liability of any type), shall not exceed the amount actually paid by Stripe under this Agreement.

10. Applicable Law.

This Agreement will be governed by the laws of the State of California and the United States without regard to conflicts of laws provisions thereof, and the jurisdiction and venue for actions related to the subject matter hereof will be the state and federal courts located in San Francisco, California and both parties hereby submit to the personal jurisdiction of such courts.

11. Assignment.

This Agreement will bind and inure to the benefit of each party's permitted successors and assigns. Neither party may assign this Agreement without the advance written consent of the

other party, except that either party may assign this Agreement in its entirety to an affiliate, or in connection with a merger, reorganization, acquisition, or other transfer of all or substantially all of such party's assets or voting securities to such party's successor. Each party shall promptly provide notice of any such assignment. Any attempt to transfer or assign this Agreement except as expressly authorized under this Section will be null and void.

12. Independent Contractors.

The parties to this Agreement are independent contractors. There is no relationship of partnership, joint venture, employment, franchise or agency created hereby between the parties. Neither party will have the power to bind the other or incur obligations on the other party's behalf without the other party's prior written consent and neither party's employees are eligible for any form or type of benefits, including, but not limited to, health, life or disability insurance, offered by the other party to its employees.

13. Notices.

All notices under this Agreement must be given by email. For notices to Stripe, the email address is notices@stripe.com, and for notices to Company, the email address is



Notice is effective one business day after sending the email.

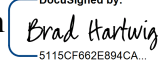
Signatures

Stripe, Inc. 

Name: Nan Ransohoff

Title: Head of Climate

Date: 12/12/2022

Arbor Energy and Resources Corporation 

Name: Brad Hartwig

Title: CEO & Founder

Date: 12/12/2022

Exhibit A

Funding Today		
Purchase	Description	Stripe, Inc. ("Stripe"), for itself as a member of Frontier, will purchase 667 tons of carbon dioxide removal from the 2 years of operation for Arbor's first torrefaction, gasification, oxycombustion, and supercritical CO2 turbine technology.
	Amount	\$333,333
	Type	Capture + Storage
	Net metric tons removed (% of tons avail)	667 tons CO2 (<1% of tons available)
	Price per ton	\$500 (\$75 removal quantification and 3P verification)
	Price description	<p>This represents higher initial costs associated with: higher capital expenses due to lack of volume manufacturing, high labor costs, etc.</p> <p>Over time, we anticipate the price reducing significantly as Arbor's technology is built in a modular, repeatable manner over many units and fixed and variable operating expenses, as well as CO2 transport and storage costs, decrease.</p>
	First customer? (alongside Shopify)	Yes
	Largest customer? (combined with Shopify)	Yes
	Estimated delivery start	December, 2025
	Est. delivery completion	December, 2026
	Interim milestones The exact path to delivery may vary, but we anticipate these steps will be important markers of progress toward delivering carbon removal	<ul style="list-style-type: none">● April 2023: Gasifier and initial oxy-combustion technology demonstrated, with 24 hours of continuous testing complete on gasifier. Oxy-combustion testing will entail 30 hot-fire tests● June 2023: Updated community engagement and EJ plans submitted to Frontier for concurrence.● December 2023: Biomass sourcing and CO2 storage agreements finalized.● Jan 2024: Oxyfuel combustion emissions test stand completed and iterations begin on detailed emissions testing.● Feb 2024: Main recuperator system for sCO2 power loop

		<p>manufactured and pressure rated.</p> <ul style="list-style-type: none"> ● March 2024: sCO₂ turbine design and initial prototype completed, showing target fuel to electricity conversion efficiency via detailed analysis ● September 2024: Project construction commences. ● March 2025: Main subsystems of sCO₂ loop in Placer ● December 2025: Project commissioning complete; CDR operations begin. ● Notify Stripe of first ton successfully removed.
Total funding today		\$333,333 purchase
Conditional Renewal		
Renewal conditions	<p><i>Generic</i></p> <ul style="list-style-type: none"> ● Delivery of 100% of initial tonnage, with third party measurement, reporting, and verification (MRV) evidence of tons removed. Public reporting of tons delivered, price per ton, and protocol used at time of delivery ● Completion of a third-party lifecycle analysis (LCA) to confirm the net tons removed for this project ● Updated LCA for future deployments that demonstrate declining future process emissions and improving net-negativity ● Updated techno-economic analysis (TEA) providing significant evidence that a sub-\$100/ton capture cost by the date projected in the application to Frontier is achievable and highlighting key cost sensitivities. Differences between current experimental values and TEA assumptions for \$100/ton highlighted, including a plan to narrow the gap between actual and modeled performance presented ● Evidence of ongoing responsible community engagement and efforts to achieve the highest standards of safety, compliance, and local environmental outcomes ● Meeting with Frontier and potential site visit upon delivery and achievement of project-specific renewal conditions to answer any questions about the results <p><i>Project-specific</i></p> <ul style="list-style-type: none"> ● Gasifier proven to operate continuously on 2 different biomass feedstocks, including aggregate forestry biomass ● Integrated system shows 75% CDR efficiency (tons of CO₂ removed per ton of CO₂ in inlet biomass), 20% fuel-to-electricity conversion efficiency, and 80% uptime ● Operational plans developed for how this technology will expand to multiple sites, with particularly focus on biomass logistics ● Clear biomass sourcing strategy for scaled deployments that does not result in net reductions in forest carbon stocks 	

Est. delivery completion Assuming the renewal triggers upon the date estimated above, when do you expect to deliver the additional \$1M of tonnage? We know there are wide error bars	December 2027
Minimum renewal amount	\$1,000,000 purchase