

# Public Project Description

This document is a project description made available in the Puro Registry to summarize the information available about a certified production facility. The project description is organized as follows:

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## 1 Production Facility and Supplier information

This project description corresponds to the following **Production Facility** and **CO<sub>2</sub> Removal supplier**, acting as registering entity of the facility.

Production Facility	
<b>Production Facility name</b>	NetZero-003-Brejetuba
<b>Registration date (YYYY-MM-DD)</b>	2024-07-04
<b>Production Facility ID</b>	566645
<b>Location of facility</b>	Estr. p/ Brejaubinha, S/N, Brejetuba, ES, 29630-000
<b>Host Country of removal</b>	Brazil
<b>Has this facility been registered in another registry?</b>	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes, additional information (registration periods):
<i>This table is filled in by the CO<sub>2</sub> Removal Supplier.</i>	

CO <sub>2</sub> Removal Supplier	
<b>Supplier name</b>	NetZero SAS
<b>Supplier address</b>	4 rue Thiers, 75116 Paris, France
<b>Business ID</b>	893-011-056
<b>KYC status</b>	Completed
<i>This table is filled in by the CO<sub>2</sub> Removal Supplier.</i>	

The above-mentioned production facility has undergone the following audit, during which the project description, alongside other audit documents were verified.

Facility Audit	
<b>Type of audit</b>	Combined Facility and Output Audit
<b>General Rules version</b>	4.0
<b>Methodology name</b>	Biochar Methodology
<b>Methodology edition and version</b>	Edition: 2022 Version: V3
<b>Date of audit completion</b>	2024-12-31
<b>Conclusion of audit</b>	Positive conclusion
<b>Auditing body</b>	Bureau Veritas
<b>Start date of crediting period</b>	2024-07-29
<b>End date of crediting period</b>	2029-07-29
<i>This table is filled in by the Issuing Body.</i>	

## 2 Overview of activity, its location, and operators

The information in this section provides an overview of how and where carbon dioxide removal is achieved, and by whom.

### 2.1 Non-technical description

<b>Instructions</b>	<i>Please provide a non-technical description of the carbon removal activity taking place at the production facility. Word limit: 100 words.</i>
<b>Non-technical description</b>	NetZero Brejetuba produces biochar from coffee husks in Brazil.
<i>This table is filled-in by the supplier and verified by the auditor.</i>	

### 2.2 Locations

<b>Instructions</b>	<i>Please provide a list of locations associated with the carbon removal activity. Additional locations or areas can refer to e.g. the location of the storage site, the spatial extent of the area of use of a carbon removal product or sourcing of a specific feedstock.</i>
<b>Production Facility Location (as registered)</b>	Address: Estr. p/ Brejaubinha, S/N, Brejetuba, ES, 29630-000 Coordinates (WSG84, decimal format): Latitude: -20.1754317298655 Longitude: -41.27661591651728
<b>Additional location(s)</b>	<i>Specify purpose, location, address, coordinates, to the extent possible, for one or multiple additional locations relevant to the removal activity.</i> Click or tap here to enter text.
<i>This table is filled-in by the supplier and verified by the auditor.</i>	

### 2.3 Operators

<b>Instructions</b>	<i>Please provide a full list of operators or organizations that contribute to the removal activity. Add rows as necessary. For each entity, provide the name, a business ID, an address, and the role of the entity.</i>
<b>CO<sub>2</sub> Removal Supplier</b>	Entity name: NetZero SAS Entity business ID: SIREN 893 011 056 Entity address: 4 rue Thiers, 75116 Paris, France Role of entity: End owner and manager of certification operations
<b>Biochar producer</b>	Entity name: NetZero Brejetuba I Biochar Ltda. Entity business ID: 49.877.637/0001-50 Entity address: Estr. p/ Brejaubinha, S/N, Brejetuba, ES, 29630-000 Role of entity: Biochar producer
<b>Organization 3</b>	<i>Entity name:</i> <i>Entity business ID:</i> <i>Entity address:</i> <i>Role of entity:</i>
<i>This table is filled-in by the supplier and verified by the auditor.</i>	

### 3 Technical description of the removal activity

The information in this section provides more technical details about the technologies and processes deployed to achieve carbon dioxide removal.

#### 3.1 Technical description

<b>Instructions</b>	<i>Please provide a technical description of the carbon removal activity taking place at the production facility. Word limit: 500 words.</i>
<b>Technical description</b>	NetZero uses a custom, continuous, thermally autonomous pyrolysis system that processes coffee husk to produce biochar for agriculture. Biomass is supplied by local farmers who have signed long-term agreements with NetZero. Biochar is used by local farmers, mostly in coffee plantations.
<i>This table is filled-in by the supplier and verified by the auditor.</i>	

#### 3.2 Illustration

<b>Instructions</b>	<i>Please provide up to three illustrations of the process and technologies described above (e.g. picture of equipment, flowcharts of process). Note that you must own the rights to reproduce and publish the illustration and that you also authorize puro.earth to reproduce and publish the illustration in the Puro Registry.</i>
<b>Authorization to reproduce and publish the illustration</b>	<input checked="" type="checkbox"/> Puro.earth is authorized to reproduce and publish the illustrations below, for use in the Puro Registry.



## 4 Application of the Puro Standard (boundary, baseline, additionality, quantification)

### 4.1 Scope and project boundary

<b>Instructions</b>	<i>Please provide a brief demonstration that the removal activity described above fits within the scope of the methodology and that the system boundaries of the removal activity correspond to the ones defined in the methodology. Word limit: 150 words.</i>
<b>Scope and system boundary</b>	The project accounts for the entire supply chain, from biomass sourcing to biochar distribution, with all intermediary steps, as well as site and equipment manufacturing and assembly.
<i>This table is filled-in by the supplier and verified by the auditor.</i>	

### 4.2 Baseline scenario

The information in this section provides a summary of the project-specific **baseline scenario**.

<b>Instructions</b>	<i>Please provide a summary of the project-specific baseline scenario. The summary shall be based on the additionality questionnaire (available separately). Word limit: 150 words.</i>
<b>Summary of the project-specific baseline scenario</b>	
Baseline scenario is no valorization of the residual biomass (coffee husks), with farmers leaving it to decompose or burning it.	
<i>This table is filled-in by the supplier and verified by the auditor.</i>	

Further information on the baseline scenario:

<b>Instructions</b>	<i>If the methodology explicitly defines one or several possible baseline scenarios for the removal activity, please specify which ones was selected:</i>
<b>Selected baseline scenario</b>	Click or tap here to enter text.
<i>This table is filled-in by the supplier and verified by the auditor.</i>	

### 4.3 Demonstration of additionality

The information in this section provides a summary of the project-specific **additionality assessment**.

<b>Instructions</b>	<i>Please provide a summary of the project-specific additionality assessment, considering baseline removal, regulatory and financial additionality. The summary shall be based on the additionality questionnaire (available separately). Word limit: 150 words.</i>
<b>Summary of additionality assessment</b>	
Carbon removal certificates are an essential part of the project’s revenues, and project is not capable of attracting financing if carbon removal certificates do not exist.	
<i>This table is filled-in by the supplier and verified by the auditor.</i>	

The following files are further made available in the Puro Registry.

	Filename	Puro Additionality v1.9 - NetZero
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<b>Additionality questionnaire (required)</b>	Description	Additionality questionnaire signed and audited, used to determine the additionality of the project following the Puro requirements for additionality.
<b>Additional file (optional)</b>	Filename	Confidential - BP NetZero Brejetuba.xlsx
	Description	
<b>Additional file (optional)</b>	Filename	
	Description	
<i>Add rows as necessary, following same template as for additional file. The filename shall be the exact filename as provided in the audit documentation. The description shall be at most a 3-line summary of what the file contains. This table is filled-in by the supplier and verified by the auditor.</i>		

#### 4.4 Quantification of net carbon dioxide removal

The information in this section provides a description of how **quantification of net carbon dioxide removal** is achieved, including **monitoring** of the removal activity, and calculation of **supply-chain emissions**.

##### Quantification implementation

<b>Instructions</b>	<i>Please describe how the quantification of net carbon dioxide removal, as described in the methodology (see CORC equation), is implemented by the supplier. Word limit: 200 words.</i>
<b>Description of quantification implementation</b>	
NetZero tracks end-to-end all sources of GHG emissions within system boundaries described above, notably through sensors, invoices, and traceability data such as GPS location of biomass suppliers and biochar clients.	
<i>This table is filled-in by the supplier and verified by the auditor.</i>	

##### Monitoring and reporting

<b>Instructions</b>	<i>Please provide a summary of the monitoring procedures and monitoring plan which are in place at the production facility to ensure i) the safety of the removal activity, ii) the eligibility of the removal activity, and iii) the precise quantification of CORCs. The summary shall be project-specific and based on related evidence pieces that were submitted in the audit documentation. Word limit: 500 words.</i>
<b>Summary of monitoring and reporting plan</b>	
i) NetZero’s factory in Brejetuba is equipped with multiple active and passive safety systems, is fully compliant with all applicable health and safety regulations and provides frequent safety training to its staff. Continuous improvement is ensured by NetZero’s Industrial Excellence & ESG team. ii) The removal activity is eligible by design, meeting additionality criteria and using 100% waste biomass from coffee processing. iii) the raw data used for the LCA is extremely granular, with virtually all recurring activity based on exact invoiced or sensor-measured values. Only one significant parameter is estimated: the fuel consumption from factory to farm, given that NetZero does not manage deliveries. Nonetheless, the value can be considered very reliable as the exact distances travelled are known using the GPS coordinates of the clients.	
<i>This table is filled-in by the supplier and verified by the auditor.</i>	

Optionally, the following documents may be made available in the Puro Registry once the facility has completed its first Output Audit:

<b>Can the monitoring plan and procedures be made available in the Puro Registry?</b>	
<b>Answer</b>	<input type="checkbox"/> Yes, entirely.

	<input type="checkbox"/> Yes, in a redacted version. <input checked="" type="checkbox"/> No. If no, please provide a reason: Do not wish to make it public
<b>Filename(s) to be made public</b>	
<i>This table is filled-in by the supplier.</i>	

### Supply-chain emissions

The determination of the supply-chain emissions of the removal activity shall be based on a project-specific life cycle assessment, made of a report and calculations. Calculations are updated at least annually, during the Output Audits, with data captured through above-described monitoring.

<b>Instructions</b>	Please provide a summary or an abstract of the LCA performed. Word limit: 500 words.
<b>Summary of life cycle assessment</b>	
UPSTREAM, three main categories of supply-chain emissions can be identified: 1) one-off emissions from site construction, 2) recurring emissions from biomass sourcing, and 3) recurring emissions from factory purchases (mostly maintenance). For category 1, we use manufacturers’ data and delivered amounts of materials to calculate emissions, including estimated transport distances. For category 2, although we work with third-party trucks, we pay directly for their fuel, ensuring an exact quantification of fuel-related emissions using well-to-wheel carbon intensity values. For category 3, we currently use a conservative percentage of the equipment’s mass to be renewed yearly; we plan to move to more precise quantification in the future leveraging the very granular data available in our ERP. DOWNSTREAM, two main categories of supply-chain emissions can be identified: A) Biochar distribution and B) waste disposal. For category A), although we do not take care ourselves of biochar deliveries, we the GPS location of each client to accurately estimate the fuel consumption (using the same well-to-wheel carbon intensity values mentioned above). For category B), we have exact records of mass of waste existing the facility, location of the disposal center, and disposal method used for each shipment.	
<i>This table is filled-in by the supplier and verified by the auditor.</i>	

Optionally, the following documents may be made available in the Puro Registry once the facility has completed its first Output Audit:

<b>Can the LCA report be made available in the Puro Registry?</b>	
<b>Answer</b>	<input type="checkbox"/> Yes, entirely. <input type="checkbox"/> Yes, in a redacted version. <input checked="" type="checkbox"/> No. If no, please provide a reason: Confidential data
<b>Filename(s) to be made public</b>	
<i>This table is filled-in by the supplier.</i>	

## 5 Social and environmental safeguards

The information in this section provides a summary of the project-specific measures taken to avoid and minimize negative social and environmental effects, as well as maximize positive impacts contributing to the sustainable development goals (SDGs).

### 5.1 Stakeholder engagement

*In line with the Puro General Rules, the CO<sub>2</sub> Removal Supplier must have conducted a stakeholder engagement process and reported its outcome in a written format.*

<b>Instructions</b>	<i>Please reproduce the summary of the stakeholder engagement report. Word limit: 500 words.</i>
<b>Summary of stakeholder engagement</b>	
The report presents the 4 main actions done by NetZero for stakeholder engagement: engagement with the immediate neighbors of the site; engagement with the local cooperative; engagement with local farmers; and engagement with the wider community of stakeholders such as local authorities and research centers. All engagement actions have been conducted in person.	
<i>This table is filled-in by the supplier and verified by the auditor.</i>	

*In addition, the following documents are made available in the Puro Registry once the facility has completed its first Output Audit:*

<b>Stakeholder Engagement Report (required)</b>	Filename	Stakeholder Engagement Report - NetZero Brejetuba.pdf
	Description	Stakeholder engagement report completed and audited, following the Puro requirements for stakeholder engagement.
<i>The filename shall be the exact filename as provided in the audit documentation. This table is filled-in by the supplier.</i>		

### 5.2 Environmental and social safeguards

*In line with the Puro General Rules, the CO<sub>2</sub> Removal Supplier must ensure that environmental and social safeguards are in place.*

<b>Instructions</b>	<i>Please summarize the environmental and social impacts relevant to the project, based on the answers provided to the corresponding questionnaire in the audit documentation. Word limit: 500 words.</i>
<b>Summary of environmental and social safeguards questionnaire</b>	
Overall, the project presents minimal risks for the environment. All potential risks are mapped, and a relevant mitigation action exists. Emissions are monitored and below thresholds, waste is managed adequately, and products are stored in safe conditions.	
<i>This table is filled-in by the supplier and verified by the auditor.</i>	

*In addition, the following document is made available in the Puro Registry once the facility has completed its first Output Audit:*

<b>Stakeholder Engagement Report (required)</b>	Filename	Environmental and social safeguards questionnaire.pdf
	Description	Questionnaire based on a template provided by Puro, to ensure compliance with the Puro General Rules, regarding social and environmental safeguards.
<i>The filename shall be the exact filename as provided in the audit documentation. This table is filled-in by the supplier.</i>		

### 5.3 Permits, risk assessments and impact assessments

*Depending on the nature and scale of the removal activity, the CO<sub>2</sub> Removal Supplier may have obtained permits or conducted specific environmental assessments (e.g. Environmental and Social Impact Assessment, Environmental Risk Assessment) for compliance with local laws and regulations.*

<b>Were the obtention of one or several construction or environmental permits required for the removal activity, for compliance with local laws and regulations?</b>	
<b>Answer</b>	<input checked="" type="checkbox"/> Yes, permits were required and successfully obtained. <input type="checkbox"/> No, permits were not required.
<b>Permits obtained</b>	Name of permit: Certificado de registro de establecimiento ID of permit: N° EP ES 001665-9 Issuer of permit: Ministério da Agricultura e Pecuária Date of issuance: 2024-06-25 Permit file (.pdf): Certificate of authorised producer registration NetZero Brejetuba.pdf Permit URL (if available):  Name of permit: Certificado de registro de produto ID of permit: N° ES 001665-9.000001 Issuer of permit: Ministério da Agricultura e Pecuária Date of issuance: 2024-07-05 Permit file (.pdf): Certificate of product (biochar) registration NetZero Brejetuba.pdf Permit URL (if available):
<i>If several permits were obtained, provide the information for each of them. This table is filled-in by the supplier and verified by the auditor.</i>	

<b>Was an environmental and social impact assessment study (EIA) conducted?</b>	
<b>Answer</b>	<input checked="" type="checkbox"/> Yes, an EIA was legally required and thereby conducted. <input type="checkbox"/> Yes, an EIA was not legally required but conducted voluntarily. <input type="checkbox"/> No, an EIA was not legally required and not conducted.
<b>EIA Report (if conducted)</b>	Title of study: Environmental impact and risk assessment report NetZero Brejetuba Filename of report: Environmental impact and risk assessment report NetZero Brejetuba.pdf Can the report be published in the Puro Registry: No
<i>This table is filled-in by the supplier and verified by the auditor.</i>	

<b>Was an environmental risk assessment study (ERA) conducted?</b>	
<b>Answer</b>	<input type="checkbox"/> Yes, an ERA was legally required and thereby conducted. <input checked="" type="checkbox"/> Yes, an ERA was not legally required but conducted voluntarily. <input type="checkbox"/> No, an ERA was not legally required and not conducted.
<b>ERA Report (if conducted)</b>	Title of study: Environmental impact and risk assessment report NetZero Brejetuba Filename of report: Environmental impact and risk assessment report NetZero Brejetuba.pdf Can the report be published in the Puro Registry: No
<i>This table is filled-in by the supplier and verified by the auditor.</i>	

## 5.4 Positive impacts on SDGs

Depending on the nature of the removal activity, the activity may have positive impacts on the UN Sustainable Development Goals (SDGs).

<b>Instructions</b>	<i>Please provide a summary of the positive impacts on the SDGs that the removal activity has or plans to has. This summary shall be project-specific and based on related evidence pieces that were submitted in the audit documentation (SDG Reporting files). Word limit: 150 words.</i>
<b>Summary</b>	Beyond climate benefits, NetZero’s project in Brejetuba provides multiple significant co-benefits to local communities, in particular related to yield increase for farmers and local job creation. At this stage, NetZero chooses not to certify them.
<i>This table is filled-in by the supplier and verified by the auditor.</i>	

*In addition, the following document is made available in the Puro Registry once the facility has completed its first Output Audit:*

<b>SDG Reporting (required)</b>	Filename	Puro SDG Report NetZero Brejetuba.pdf
	Description	SDG Reporting based on a template provided by Puro, disclosing with SDG indicators are reported and how they are or will be demonstrated.
<i>The filename shall be the exact filename as provided in the audit documentation. This table is filled-in by the supplier.</i>		

## 6 Other documents available in the Puro Registry

*Alongside this project description, several other documents are made available in the Puro Registry for more details.*

*The documents referenced in this project description are compiled in the following table:*

<b>Instructions</b>	To finalize the project description, please list the names of all the public documents to be made available in the Puro Registry, in the order they appear, specifying the number of pages of each document. Add rows as necessary.	
<b>#</b>	<b>Document names</b>	<b>No of pages</b>
1	Puro Additionality v1.9 - NetZero signed.pdf	7
2	Stakeholder Engagement Report - NetZero Brejetuba.pdf	6
3	Environmental and social safeguards questionnaire.pdf	10
4		
5		
6		
7		
8		
9		
10		
<i>This table is filled-in by the supplier.</i>		

*Besides the documents referenced in this project description, the 3<sup>rd</sup>-party auditor has reviewed a complete audit package containing numerous documents, performed a site visit, and prepared an audit report and statement.*

*The facility described here will further be audited annually, in Output Audits, to verify the performance of the removal activity, resulting in the issuance of CORCs. All audits lead to audit reports and statements, which will be available in the Puro Registry, alongside further details on CORC quantification for each monitoring period.*

# Baseline and Additionality Assessment

The baseline and additionality assessment is a requirement for eligibility under the Puro Standard. The assessment is made by the CO<sub>2</sub> Removal Supplier and verified by the independent 3<sup>rd</sup> party auditor. **The assessment made in this document will be publicly available in the Puro Registry.**

The Puro Standard only certifies durable carbon removals from the atmosphere that are net-negative and does not certify emissions reductions or avoidance. The CORCs (Carbon dioxide removal certificates), issued therefore represent a net carbon removal (1 tCO<sub>2</sub>eq. net) from the atmosphere to a durable storage of minimum 100 years, and for mineralization and geological storage minimum 1000 years. Net carbon removal is determined from stored gross CO<sub>2</sub> volume by subtracting supply-chain emissions from the project, any re-emissions over the guaranteed storage time, any baseline removals taking place in a baseline scenario, and any negative indirect leakage effects relative to the baseline scenario.

The CO<sub>2</sub> Removal Supplier must in this assessment:

- **Define** and quantify all reasonable **baseline alternatives** to the proposed project activity to remove carbon with carbon financing. A baseline is a scenario that reasonably represents the natural and anthropogenic carbon removals to a permanent storage (storage durability over 100 or 1000 years) in the absence of the carbon removal activity proposed by the CO<sub>2</sub> Removal Supplier. Although anthropogenic emissions may take place in the baseline scenarios, these emissions do not constitute a reference point for the quantification of CORCs (only the baseline removals do).
- Demonstrate **carbon additionality to the baseline**, meaning that the project must convincingly demonstrate that it is resulting to higher volumes of carbon removals than the likely baseline alternatives (question A1 and A2.).
- Demonstrate **regulatory additionality**, meaning that the project is not required by existing laws, regulations, or other binding obligations (question A4.).
- Demonstrate **prior consideration of carbon credits** through documentation demonstrating that the time period between the commitment date and production facility audit is max. 3 years. (question A5)
- Demonstrate **financial additionality**, meaning that the CO<sub>2</sub> removals achieved are a result of carbon finance. This means that the CO<sub>2</sub> Removal Supplier must show that the carbon credits were needed to secure the investment or to overcome specific barriers to the investment.
- To support the claim the of financial additionality, the project activity cannot already be *common practice* without carbon finance (question A6).

Reference documents: [Puro Standard general Rules v4.0](#), section 6.5 and [Additionality Assessment requirements v2.0](#).

## 1. General questions to all CO<sub>2</sub> Removal Suppliers

A1. Baseline Determination			
Activity name	Activity description	Removals to storage (100+ yr) due to project activity (human activity)	Natural removals to storage (100+ yr), not man-made
<b>Baseline:</b> No crop residue valorisation	Agricultural waste disposal by burning or decomposition, re-emitting in the atmosphere 100% of the carbon contained in the biomass.	None	None
<b>Project activity:</b> Biochar production	Leveraging the unused coffee husk from local farms as a feedstock for biochar production, and using this biochar for local agriculture.	Up to 6,000 tCO <sub>2</sub> /year	None
<b>Alternative scenario:</b> Compost	Although not at all a common practice in the region due to the high relief, compost could be considered a theoretical alternative scenario, mixing the coffee husk with other locally available biomasses to fertilise the soil.	None	None

A2. Does the project lead to higher volumes of durable carbon removal than the baseline?	Yes / No
No carbon removal (100+ years) in the baseline scenario	Yes

A3. Is the project scenario aligned with net-zero transition? The following activities are considered not to be aligned with net-zero transition: a) directly leading to an increase in the extraction of fossil fuels, b) relating to coal-fired electricity generation, or c) involving other unabated fossil fuel-powered electricity generation, other than new gas-fired generation that is part of increased zero-emissions generation capacity in support of national low carbon energy transitions	Yes / No
Fully aligned.	Yes

A4. Is the project required by existing laws, regulations, or other binding obligations?	Yes / No
No laws, regulations, or other binding obligations require to build such a project. Biochar was not even registered in Brazil prior to NetZero starting its activity in the country.	No

A5. What was the Commitment Date of this facility? Commitment Date is defined as "The calendar date on which the CO <sub>2</sub> Removal Supplier committed to implementing the CO <sub>2</sub> Removal activity (e.g., the date when contracts for the purchase or installation of equipment required for the mitigation activity were signed). In the case where a mitigation activity does not involve capital expenditure, it refers to the date when the first physical actions were taken to implement the mitigation activity." If an exception listed in clause 2.1.3 of the Additionality Assessment Requirement applies, describe the situation here.	Date
See press release announcing the project here: <a href="https://netzero.green/en/news/press-releases/PR-NetZero-20230731-EN.pdf">https://netzero.green/en/news/press-releases/PR-NetZero-20230731-EN.pdf</a>	July 2023

<b>A6. Is the Technological Readiness Level of the Methodology 8 or 9?</b>	<b>Yes/No</b>
	No

If the answer to question A6 is Yes, please answer question A6.1 to A6.3. Questions A6.2 and A6.3 are different based on whether you are applying a distributed technology (such as enhanced rock weathering) or more centralized technology based on plants/factories producing something. See clauses 3.2.5 and 3.2.6 in the Puro Additionality Assessment Requirements with references for more information.

<b>A6.1. Please define the region being considered and explain why it is relevant level of aggregation for the assessment if different from the host country.</b>

<p><b>A6.2. Market size or current installations</b></p> <p><b>Distributed technology:</b> What is your estimate for a realistic target market size and what constraints to the market size growth have you identified?</p> <p><b>Centralized technology (plants):</b> What projects have you identified that fulfil the criteria in Additionality Assessment Requirements clause 3.2.6?</p> <p>a) output range of +/- 50% of the project,  b) located in the same region,  c) applying the same measure,  d) produce comparable goods or services in terms of quality, properties, and applications,  e) started commercial operation before the proposed start date of the project, and  f) are not registered in a carbon crediting program.  How many of them apply a different technology?  <b>Please mention or link to any sources you have.</b></p>

<p><b>A6.3. Market penetration rate</b></p> <p><b>Distributed technology:</b> What is your estimate of the market penetration rate of the activity? How common or widespread is the project activity or similar activities in the relevant sector and region, and what is the trend of adoption over time?</p> <p><b>Centralized technology (plants):</b> Provide your calculation of market penetration rate based on the formula in clause 3.2.6 in Additionality Assessment Requirements.</p>

<b>A7. Does the carbon removal project have other income sources besides carbon finance? Include also information about any subsidies you receive or expect to receive. Please describe your business model here, in a short answer (max. 100 words).</b>	<b>Yes / No</b>
Project sells biochar to local farmers.	Yes

**Please note:** Questions under headings '2. Simple cost analysis', '3. Investment analysis', and '4. Barrier Analysis' are mutually exclusive options.

## 2. Simple cost analysis or investment analysis

Some projects may demonstrate additionality through simple cost analysis: this is applicable for projects that have no other source of income besides carbon finance or where ex-ante investment analysis is not applicable, because capital expenditure (capex) is modest compared to operating expenditure (opex). This can include e.g. enhanced rock weathering projects.

**B1. Describe how the criteria above applies to your project**

[Information]

B Simple cost analysis	Project response
<p><b>B2. Please describe your cost structure here and include evidence in attachment.</b></p>	
<p><b>B3. Please summarize the simple cost analysis here. Please include any public subsidies received or expected. Compare with alternative scenarios, if relevant.</b></p>	
<p><b>B4. Please provide additional calculation spreadsheet in attachment. All formulas used in the spreadsheet shall be readable to the verifier and all relevant cells shall be viewable and unprotected. Mark confidential when needed.</b></p>	
<p><b>B5. Are you willing to provide full calculation spreadsheet to be visible in Puro Registry? If yes, please specify the name of the file that has been provided. If not, please ensure that there is sufficient information provided in your answers in this document.</b></p>	
<p><b>B6. Is the information shared here consistent with information presented to the company's decision-making management, investors or lenders?</b></p>	
<p><b>B7. Is the information shared here consistent with the information in the audit documentation presented to Puro and its verifiers (e.g. LCA model)? If not, please explain why there are differences.</b></p>	

### 3. Investment Analysis

CO<sub>2</sub> Removal Suppliers can be guided by the CDM Methodological Tool 27 of the UNFCCC Clean Development Mechanism ["Investment Analysis"](#) to demonstrate financial additionality with Investment Analysis.

C. Financial Additionality – Investment analysis	Project response
<p>If the only alternative scenario is to carry out the project without CORCs, please answer the following questions: Please show your calculations to determine the benchmark rate for either equity IRR or WACC, whichever you are using. Please include documentation of how the rate is suitable for the technology and region. Please specify the currency and whether the rate is nominal or real.</p>	
<p>C2. Please state how CORC revenues change the expected IRR or NPV of the project.</p>	<p>CORC revenues significantly change the financial profile of the project. Confidential numbers are shared to Puro and the auditors.</p>
<p><b>C3. Please conduct a sensitivity analysis in relation to the investment analysis and summarize the results here.</b></p>	<p>Confidential BP provided separately allows for all sensitivity analyses wanted by changing parameters in the Hypothesis tab. Main variables are price of biochar and price of CORCs. Price of biochar is set based on long-term contracts with farmers.</p>
<p>C4. Is the information shared here consistent with information presented to the company’s decision-making management, investors, or lenders?</p>	<p>Yes.</p>
<p>C5. Is the information shared here consistent with the information in the audit documentation presented to Puro and its verifiers (e.g. LCA model)? If not, please explain why there are differences.</p>	<p>Yes.</p>
<p>C6. Are you willing to provide full calculation spreadsheet to be visible in Puro Registry? If yes, please specify the name of the file that has been provided.</p>	<p>No.</p>
<p>C7. If you are not willing to disclose the full spreadsheet, please provide here a summary of the confidential file that has been provided to the Auditor and Puro.earth. Please include:</p> <ul style="list-style-type: none"> <li>• Overall description of the spreadsheet, including type of terms (real/nominal), currency, forecasting periodicity</li> <li>• Capital structure, if the measure is based on equity return</li> <li>• Information sources on main revenues and costs</li> <li>• Expected breakdown of income from the different sources</li> <li>• Expected or already received public subsidies</li> <li>• Growth assumptions</li> <li>• Model duration and a comparison with expected lifetime</li> </ul>	<p>The confidential business plan of the project is provided to Puro and the auditors.</p> <ul style="list-style-type: none"> <li>• Presents all expected revenues and costs of the project, using local currency (BRL) and real terms.</li> <li>• 100% equity investment</li> <li>• Values of all main revenues and costs are based on NetZero’s operational experience in the region (from facility in Lajinha, MG).</li> <li>• Breakdown presented in the confidential file.</li> <li>• No public subsidies expected for the investment.</li> <li>• No growth assumptions for the project: facility is of a defined size and does not grow in the future.</li> <li>• Business plan is made over 20 years, matching the expected lifetime of the project.</li> </ul>

### 4. Barrier Analysis

In Barrier Analysis only one barrier needs to be demonstrated but there needs to be clear, objective, and verifiable evidence to demonstrate its existence. If possible, please provide quantitative estimates for the barrier.

D. Barrier Analysis	No/yes	Project response
<b>D1. Are there financial barriers?</b> (e.g., financing is not accessible for the type of activity in the country due to the risks)		
<b>D2. Are there institutional barriers?</b> (e.g., the investor not being the beneficiary of cost savings associated with the investment)		
<b>D3. Are there information barriers?</b> (e.g., lack of awareness of the financial benefits of by-products)		
<b>D4. Please explain how CORC revenues are crucial element in overcoming identified barrier(s)</b>		
<b>D5. Are there subsidies for the carbon removal activity?</b> If yes, please explain how they are not sufficient to overcome the barrier.		
<b>D6. Please attach verifiable evidence for the existence of the barrier and describe the evidence here. If the file can be included publicly in the Puro registry, please specify the name of the file here. If the evidence is not public, please ensure</b>		

<p>that you describe it in sufficient detail.</p>		
<p><b>D7. Please demonstrate that at least one other alternative in baseline determination (first question) does not face any significant barriers, including the barriers faced by your project.</b></p>		

I hereby declare that all information provided is truthful and precise to the best of my knowledge.

X 

Paris, 15 October 2024  
 Olivier Reinaud, Co-founder & Managing Director, NetZero

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earth**

# **Stakeholder Engagement Report**

## Foreword

This report refers to NetZero's biochar factory in Brejetuba, state of Espírito Santo, Brazil.

NetZero's stakeholder engagement actions have been of 4 kinds:

1. Engagement with immediate neighbours of the factory
2. Engagement with the local cooperative
3. Engagement with local farmers
4. Engagement with the wider community of stakeholders

All these actions have been conducted in physical meetings. Multiple other communications have also been made on social media.

## 1 – Engagement with immediate neighbours of the factory

### 1.1. Invitation table

All people in the immediate vicinity of the factory were invited for a stakeholder consultation and plant visit.

### 1.2. Sample invitation:

*Not applicable – neighbours were invited in person.*

**1.3. Were any stakeholders not invited although they are listed in para 3.1 of the Stakeholder Engagement Requirements and so relevant that they should clearly have been invited? If so, please provide justification:**

*All relevant stakeholder were invited.*

**1.4. Date or period of consultation:** 26 July 2023

### 1.5. Table of hosts:

Name of host	Organization	E-mail address
Ferando Taranto	NetZero	<a href="mailto:fernando.taranto@netzero.green">fernando.taranto@netzero.green</a>
Fernando Rocha	NetZero	<a href="mailto:wellington.correa@netzero.green">wellington.correa@netzero.green</a>
Fábio Costa	NetZero	<a href="mailto:fabio.costa@netzero.green">fabio.costa@netzero.green</a>
Sandro Ramos	NetZero	<a href="mailto:sandro.ramos@netzero.green">sandro.ramos@netzero.green</a>

**1.6. Table of participants:**

Name of participant	Organization / Stakeholder type	Gender (m/f/d/prefer not to say)	E-mail address
<i>A copy of the hand-filled document with participants' details is provided in the online shared folder, under the name "List of attendees - Brejetuba stakeholder engagement - Neighbours event 26Jul23.pdf"</i>			



*Information meeting with the neighbours.*

**1.7. Duration of meeting: 1 hour**

**1.8. List of received live-feedback and live-answers during webinar (bullet points are sufficient if they accurately reflect true content):**

Comment (stakeholder)	Gender of stakeholder	Answer (CO <sub>2</sub> removal supplier)
Will the project create jobs for the local community?	N/A	Yes. NetZero will create approximately 25 direct jobs locally (i.e., in the very municipality where the project is located), offering good salaries, full industrial training, and significant growth perspectives within the company. NetZero's project will also create many indirect jobs
When will the factory be ready?	N/A	The plant is expected to start operating end of Q2 / beginning of Q3 2024.
Will the project be noisy?	N/A	Typical construction noise is to be expected during the construction phase, notably from utility vehicles, metallic structures' assembly work, and other machines running. Once

		operating, the production system itself is not loud. During the day, a bit of noise can be expected from truck deliveries, especially when manoeuvring between tents, but overall we do not expect any major noise source.
Will the factory's activity interfere with the earth road located just East of the plant?	N/A	No. We are creating a specific, separate access for our trucks to enter the plant, and we will also have dedicated circulation paths within the plant.
How can we communicate with NetZero in case of a problem?	N/A	We will be sharing with a phone number that you can contact in case of any issues.

**1.9. In case the feedback indicates that alterations must be made to the project's design, please summarize the content of those comments and how you will address them. If you decide not to alter project design despite the feedback, please provide a justification:**

*Not applicable.*

**1.10. In case any relevant stakeholders could not take part in the public comment period due to reasons such as lack of mobile access or physical disability, please describe and summarize how you engaged with them, what their feedback was, and how you will react to it. If you decide to not alter project design although the comments indicate so, please provide a justification:**

*Not applicable.*

## 2 – Engagement with the local cooperative

NetZero's key local partner is Coocafé, an coffee cooperative of 10,000+ farmers in the States of Minas Gerais and Espírito Santo.

Since 2022, Coocafé has been strongly supporting NetZero in the region as part of the cooperative's sustainability agenda, starting with NetZero's plant in Lajinha, then in Brejetuba. In particular, since 2022, a partnership agreement is in place by which Coocafé commits to help NetZero (i) introduce the projet to farmers, (ii) facilitate the relationship between NetZero and farmers, and (iii) have its agronomists and other field technicians support farmer in biochar's adoption and practical use, following NetZero's training.

A copy of the above-mentioned agreement is provided in folder "03. Environmental and social safeguards" of the online shared drive, under the name "Partnership contract with Coocafé.pdf".

### 3 – Engagement with local farmers

NetZero's main stakeholder engagement efforts have been focused on local farmers. Close to 250 of them have signed contracts with NetZero in the region of Brejetuba to enter in a partnership scheme whereby these farmers are both NetZero's biomass suppliers and biochar clients.

For each contract signature, a NetZero representative met with the farmer, explained the project, and answered all the farmer's questions.

The list of all partner farmers is available in folder "03. Environmental and social safeguards" of the online shared drive under the name "Farmers with contracts - Brejetuba.xlsx", together with a copy of each contract in the subfolder "Farmer contracts Brejetuba".

NetZero also participates to the annual fair of Coocafé, where thousands of local farmers attend, to present NetZero's activity, the benefits of biochar, and answer all questions from stakeholders. See a video extract of NetZero's 2024 participation here:

<https://youtu.be/NGkELSOqsE?si=KfoR4GgrHWtTArSg>

### 4 – Engagement with the wider community of stakeholders

Before even starting project implementation, NetZero has reached out to and involved a wide range of stakeholders beyond those mentioned above.

This includes:

- Land owner
  - See contract in folder "03. Environmental and social safeguards" of the online shared drive
  - See testimonial here: <https://youtu.be/npUW4bc9Log?si=Emw4zgechzANWdXV>
- Researchers specialising in biochar
  - See researchers' group picture below
  - See researcher testimonial 1 here: [https://youtu.be/fDM53JWckcQ?si=IP1MbNI\\_cl-b-mqJ](https://youtu.be/fDM53JWckcQ?si=IP1MbNI_cl-b-mqJ)
  - See researcher testimonial 2 here: <https://youtu.be/OgGeqdxio5Y?si=V5oaVhw85RuoTVqH>
- Local and national political representatives
  - See first-stone ceremony here, where participants included Brejetuba's mayor and Espírito Santo's vice-governor: <https://youtu.be/tShh8LbRAtQ?si=YNBoMd8LZ6mRL6gu>
  - See inauguration ceremony here, where participants included Brejetuba's mayor and Espírito Santo's Secretary of the Civil House (*Casa Civil*): <https://youtu.be/X2gKNwoF7ol?si=urcjOTalvgoEfSSC>
- Local events, fairs, and expositions
  - See picture below at OCEMG's 2023 event in Belo Horizonte

- See NetZero's 2023 participation to the International Week of Coffee (*SIC - Semana Internacional do Café*) in Belo Horizonte, state of Minas Gerais, Brazil, here: <https://youtu.be/Pn7kal8eZJ8?si=PcDunmjgywpUhlUJ>
- See NetZero Brazil's social media for many more examples of event participations



*Seminar with part of the members of NetZero's agronomy researchers in Brazil.*



*Meeting representatives of cooperatives of Minas Gerais at OCEMG event in Belo Horizonte.*



# Environmental and social safeguards questionnaire

CO <sub>2</sub> Removal Supplier	NetZero
Production Facility	NetZero-003-Brejetuba
Production Facility ID	566645
Date of report last update (YYYY-MM-DD)	2024-11-21

# Environmental and Social Safeguards Questionnaire

The purpose of this document is to provide a summary of how the CO<sub>2</sub> Removal Supplier complies with the environmental and social safeguards, as defined in Section 6.4 of the [Puro General Rules 4.0](#). The responses from the supplier are expected to be commensurate with the identified impacts and risks.

This document consists of five sections, noting that the fifth section does not apply to all suppliers:

1. General overview and compliance
2. Labor practices and rights
3. Environmental impact and management
4. Social impact and community relations
5. Biomass sustainability

This document forms part of the evidence needed for the Production Facility Audit. It is corroborated by other documents and evidence provided by the supplier to Puro.earth and the 3<sup>rd</sup>-party auditors, demonstrating environmental and social safeguards. This questionnaire will be made **publicly available** in the Puro Registry.

## 1 General overview and compliance

Provide a description of your operations and the context where you are operating in, as relevant for environmental and social safeguards.

NetZero has taken significant ESG commitments and is implementing a comprehensive action plan to be fully compliant with the IFC Performance Standards – the reference framework on ESG for companies. On top of that, a comprehensive assessment of all risks associated to the project is conducted prior to project implementation and, when relevant, mitigation actions are implemented. NetZero’s ESG actions are supervised by the company’s ESG Sub-Committee, composed of non-executive advisors, each with various decades of experience on ESG.

Provide an overview of the material environmental and social impacts and risks in your operations, and how they were determined.

NetZero conducts, for each of its sites, a comprehensive mapping of environmental and social impacts and risks. The socio-environmental assessment was conducted through studies and technical inspections carried out on-site. The risk evaluation criteria were divided into: incidence, temporality, situation, severity, frequency, scope, and control level. In Brejetuba, no material negative impact was identified. A few material risks were identified: dust emissions, environmental noise, and earthmoving activities, all of which have mitigation procedures.

<b>Requirement:</b> Abide by national and local laws, objectives, programs, and regulations and, where relevant, international conventions and agreements.	<b>Rule</b> 6.4.1.1.i
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Do you comply with the requirement?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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<p>If not, how and why do you not comply?                  If yes, how do you know that you comply with the requirement?                  Please provide details considering the laws and regulations that are most relevant to your operations. Also, include any regulations that are specifically related to your carbon removal activities.</p>
<p>We have obtained all applicable permits and have regular compliance audits from local authorities. We also use specialized tools to track all applicable regulation and make sure we are compliant.</p>
<p>Identify any documents or other records that you rely upon to verify compliance.</p>
<p>Installation license, operations license, authorised producer license, product registration.</p>

<p><b>Requirement:</b> Respect for <b>human rights</b> and avoiding discrimination; abiding by the International Bill of Human Rights and universal instruments ratified by the host country.</p>		<p><b>Rule</b> 6.4.1.1.ii</p>
<p>Do you comply with the requirement? Motive below.</p>	<p><input checked="" type="checkbox"/> Yes      <input type="checkbox"/> No</p>	
<p>NetZero has multiple ESG policies covering human rights, non-discrimination, and many other aspects. Policies are available on NetZero's website.</p>		

<p><b>Requirement:</b> Recognize, respect, and promote the protection of the rights of IPs &amp; LCs (<b>indigenous peoples and local communities</b>) in line with applicable international human rights law, and the United Nations Declaration on the Rights of Indigenous Peoples and International Labor Organization (ILO) Convention 169 on Indigenous and Tribal Peoples.</p>		<p><b>Rule</b> 6.4.1.1.iii</p>
<p>Do you comply with the requirement? Motive below.</p>	<p><input checked="" type="checkbox"/> Yes      <input type="checkbox"/> No</p>	
<p>No indigenous communities in the region. Regarding local communities in general, NetZero has a comprehensive engagement approach, described in the Stakeholder Engagement report.</p>		

*Note that there is an additional question on free, prior, informed consent below (section 4), and there is a requirement to publish a separate stakeholder engagement report based on a Puro template.*

## 2 Labor practices and rights

<p><b>Requirement:</b> Labor rights and working conditions, including prohibiting forced labour, child labour or trafficked persons whether in own operations or employed by third parties, fair treatment of employees.</p>		<p><b>Rule</b> 6.4.1.1.iv</p>
<p>Do you comply with the requirement?</p>	<p><input checked="" type="checkbox"/> Yes      <input type="checkbox"/> No</p>	

<p>If not, how and why do you not comply? If yes, how do you know that you comply with the requirement?</p>
<p>NetZero has developed a specific "Human resources, employment, and working conditions" policy which it thoroughly applies. NetZero also has an anonymous whistleblowing/grievance platform available for all stakeholders to report potential issues.</p>
<p>Identify any documents or other records that you rely upon to verify compliance.</p>
<p>Policy and link to the grievance platform are available on NetZero's website.</p>

<p><b>Requirement:</b> Ensuring a safe working environment and mitigating occupational health and safety hazards.</p>	<p><b>Rule</b> 6.4.1.1.iv</p>
<p>Describe occupational health and safety hazards that you have identified.</p>	
<p>The following health and safety risks have been identified: work at height, work in confined space, stored energy, moving machinery parts, dust generation, noise, carbon monoxide leakage.</p>	
<p>Describe the measures undertaken to mitigate the hazards.</p>	
<p>NetZero has developed a comprehensive risk inventory and management program. Examples of mitigation actions include:</p> <ul style="list-style-type: none"> <li>• For work at height: technical standards and training of staff, personal protective equipment, protection systems (lifeline, fall arrest).</li> <li>• For work in confined space: technical standard and training of staff, personal protective equipment, gas monitor, exhauster, identification and registration of confined spaces.</li> <li>• Energy and moving parts: technical standard and training of staff, personal protective equipment, energy access restriction systems.</li> <li>• Dust: assessments of concentration conducted at the workplace, personal protective equipment (mask respirator, balaclava, glasses), health examination (spirometry).</li> <li>• Noise: assessments conducted at the workplace, personal protective equipment (ear protectors), audiometric examination (audiometry).</li> <li>• Carbon monoxide: environmental monitoring with fixed monitor, individual gas monitor worn by staff, health examination (carboxyhemoglobin), controls in the operation process.</li> </ul>	

<p><b>Requirement:</b> Providing for equal opportunities in the context of gender; providing equal pay for equal work and protecting against and appropriately responding to violence against women and girls.</p>	<p><b>Rule</b> 6.4.1.1.v</p>
<p>Do you comply with the requirement?</p>	<p><input checked="" type="checkbox"/> Yes      <input type="checkbox"/> No</p>
<p>If not, how and why do you not comply? If yes, how do you know that you comply with the requirement?</p>	

NetZero has developed a specific "Diversity and inclusion" policy, which covers equal opportunities in the context of gender and multiple other aspects. The above-mentioned "Human resources, employment, and working conditions" policy also covers several related aspects.

Identify any documents or other records that you rely upon to verify compliance.

Policies available on NetZero's website.

### 3 Environmental impact and management

<b>Requirement:</b> Pollution prevention, including pollutant emissions to air, water, and soil as well as noise and vibration, and generation of waste and release of hazardous materials, chemical pesticides, and fertilizers.	<b>Rule</b> 6.4.1.1.vi
Does the carbon removal activity result in the following impacts? For <b>each potential impact</b> , please provide detailed information about its extent and the current measures in place to mitigate these negative impacts.	
a. Pollutant discharges to air	
No pollutants discharge to air. The only air emissions come from the chimneys and are significantly below regulatory thresholds. In particular, undetectable amounts of methane and carbon monoxide.	
b. Pollutant discharges to water	
No pollutants discharge to water. All liquid effluents are collected and sent to a treatment system consisting of a mesh box and biodigester. Analyses to verify the conformity of the system are carried out every six months.	
c. Pollutant discharges to soil	
No pollutants discharges to soil.	
d. Noise	
Low noise. Environmental noise measurements were conducted around the plant during daytime and nighttime periods, and the results are within the permitted range.	
e. Vibration	
Minimal vibrations from the equipment.	
f. Waste	
Any soil waste generated within the plant is sent to a specialised waste collection/processing company.	
g. Release of hazardous materials	
No hazardous materials are released in the environment. When hazardous material is produced, it is collected by a specialized waste company for proper disposal.	

h. Chemical pesticides and fertilizers
N/A.

<b>Requirement:</b> Biodiversity conservation and sustainable management of natural resources, including avoiding or minimizing negative impacts on terrestrial and marine biodiversity and ecosystems; protecting the habitats of rare, threatened, and endangered species, including areas needed for habitat connectivity.	<b>Rule</b> 6.4.1.1.viii
Is the activity taking place in or near environmentally sensitive areas, including protected areas (e.g. nature reserve or national park), or other areas included in a conservation plan? Describe where the nearest such areas are.	
No sensitive area around.	
Describe impacts and risks that you have identified	
Virtually inexistent risks and impacts for the local environment. The site was already anthropized (former coffee plantation), so the local biodiversity was low. The identified risks and impacts include particulate emissions, earthmoving, and noise, all of which have mitigation procedures.	
Describe the measures undertaken to minimize and address the impacts and the risks.	
Technical visits, local impact studies, environmental control plans, consultations with government agencies, and socio-environmental databases were conducted.	

<b>Requirement:</b> Minimizing soil degradation and soil erosion.	<b>Rule</b> 6.4.1.1.viii
Describe impacts and risks to soil that you have identified.	
Main soil impact is related to impermeabilisation.	
Describe the measures undertaken to minimize and address the impacts and the risks.	
The total area of the site is small (~21,000 m <sup>2</sup> ) and only a fraction of this area has been impermeabilized.	

<b>Requirement:</b> Minimizing water consumption and stress.	<b>Rule</b> 6.4.1.1.viii
Are you located in an area impacted with water stress?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

If yes, describe local conditions in terms of water stress and any risk analysis done on the impacts of the CO <sub>2</sub> removal activity on water stress
N/A
Describe any agreements and/or regulations relating to water sourcing.
The facility gets water from an artesian well, with water sourcing permit in order.
Describe the measures undertaken to minimize water consumption.
All water used in the process is circulating in a close-loop system.

<b>Requirement: The CO<sub>2</sub> Removal Supplier shall not convert natural forests or high conservation value habitats.</b>		<b>Rule</b> 6.4.1.1.viii
Do you comply with the requirement?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
If not, how and why do you not comply? If yes, how do you know that you comply with the requirement?		
NetZero does not use forestry biomass of any kind as feedstock to produce the biochar. The region is not prone to deforestation. Biochar helps increase the productivity of crops, allowing to produce more on a given area, thus helping prevent any forest-to-farmland conversion to produce more.		
Identify any documents or other records that you rely upon to verify compliance.		
NetZero has a Land Acquisition policy that prevents such conversion. See also the landing page of our website for our commitment to not use forestry biomass.		

#### 4 Social impact and community relations

<b>Requirement: Avoiding or minimizing adverse impacts to community health and safety.</b>		<b>Rule</b> 6.4.1.1.vii
Describe potential sources of impact, taking into account all relevant factors in the given context. Consider both routine and non-routine circumstances.		
Potential sources of impact include particulate emissions during operations, noise from industrial equipment, and vehicle movement during material transportation. In non-routine circumstances, risks may involve equipment failures or accidents involving vehicles around the plant.		
Describe the measures undertaken to minimize and address the impacts and the risks.		

To minimize and mitigate impacts and risks, environmental control measures have been implemented, such as equipment design and establishment of safe routes and traffic management plans for vehicle movement. Additionally, emergency response procedures and routine maintenance protocols are in place to mitigate the risks of equipment issues.

<b>Requirement:</b> Preserves and protects <b>cultural heritage</b> and cultural and religious sites.	<b>Rule</b> 6.4.1.1.ix
Describe the impacts and the risks to cultural heritage and cultural and religious sites that you have identified.	
No cultural heritage or religious sites in the area.	
Describe the measures undertaken to minimize and address the impacts and the risks.	
NetZero has a Land Acquisition policy that prevents any activity on cultural heritage or religious sites.	

<b>Requirement:</b> Avoiding <b>forced physical</b> and/or <b>economic displacement</b> . If avoidance is not feasible, CO <sub>2</sub> Removal Suppliers shall minimize physical and/or economic displacement. This applies also to any access restrictions to lands, territories, or resources, and any customary rights of local right holders.		<b>Rule</b> 6.4.1.1.x
Did/does the activity result either in forced physical or economic displacement?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If yes, describe the impact to local communities and how it was assessed?		
N/A		
Provide a comprehensive description of the process that was undertaken, compensation arrangements and measures to mitigate the negative impacts.		
N/A		
Also describe in detail how you minimized forced physical or economic displacement.		
N/A		

<b>Requirement:</b> When the activity directly or indirectly impacts <b>indigenous peoples</b> or their livelihoods, ancestral knowledge or cultural heritage, the CO <sub>2</sub> Removal supplier shall develop the Production Facility with free, prior, informed consent (FPIC).	<b>Rule</b> 6.4.2
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Is the CO <sub>2</sub> removal activity taking place in an area inhabited by or claimed by indigenous people, or does it influence such an area?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes: does the activity directly or indirectly impact indigenous peoples or their livelihoods, ancestral knowledge or cultural heritage? How was that determined?	
N/A	
<b>If there is a direct or indirect impact:</b>	
a. Provide a description of the impact and the measures that were taken to minimize the impact.	
N/A	
b. Describe how and when the indigenous communities were identified and approached for the FPIC process.	
N/A	
c. Describe the mutually agreed process for the negotiations.	
N/A	
d. Describe how the indigenous communities were informed about the potential impacts of the activity on their livelihoods, ancestral knowledge, or cultural heritage.	
N/A	
e. Describe the outcome of the negotiations.	
N/A	
f. Describe how the ongoing consent process is managed to ensure that the indigenous communities continue to agree with the activity as it progresses.	
N/A	
g. Describe grievance mechanisms that are in place for the indigenous communities.	

N/A
h. Describe how the impacts on the indigenous communities are monitored and addressed during the operation of the Production Facility.
N/A

## 5 Biomass sustainability

Puro methodologies require that whenever biomass feedstock is used in the carbon removal activity, it must be sourced in a sustainable manner.	
Is your carbon removal activity based on using biomass feedstock?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Describe how you ensure that it is sourced sustainably.	
Waste crop residues only, collected at the dehusking facilities. Compliant with Puro's Biomass Sourcing Criteria and EBC/WBC biomass eligibility criteria.	

*Note that additional evidence will be required to demonstrate adequate biomass sourcing as per the [Puro Biomass Sourcing Criteria](#), where applicable.*