# Preliminary Assessment Public Summary

This *Preliminary Assessment Public Summary*, prepared by Puro.earth, contains general information about the $CO_2$ Removal Supplier and its project, as evaluated at the time of the Preliminary Assessment (PA). It also includes a *Non-Technical Project Summary* and a *Criteria Assessment Report* detailing: i) key criteria assessed and their associated outcomes, ii) Puro's comments, and iii) evidence provided by the CO2 Removal Supplier.

The *PA Public Summary* serves as a transparent communication tool, enabling potential investors, buyers, and stakeholders to quickly understand the supplier's carbon removal capabilities and assessment status.

The supplier has also received an extended *Preliminary Assessment Report*. This confidential document offers in-depth insights, including specific remarks and actionable recommendations to guide the supplier's progression through the certification journey.

## 1. Supplier and Project Information

| $CO_2$ Removal Supplier* | |
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| **Company name** | Energnist CaptureCo A/S |
| **Company address** | Finsensvej 3 – 7430 Ikast – Denmark |
| **Business ID** | 45473430 |
| **KYC status** | Completed (September 23, 2025) |
| **$CO_2$ Removal Project*** | |
| **Methodology** | **Geological Carbon Storage, Edition 2024** |
| **Production Facility name** | Energnist CaptureCo A/S |
| **Facility registration date** | October 3, 2025 |
| **Production Facility ID** | 712250 |
| **Production Facility location** | Måde Industrivej 35 – 6705 Esbjerg – Denmark |
| **Host Country of removal** | Denmark |
| **Has this facility been registered in another registry?** | ☒No<br>☐Yes, additional information: |
| **Preliminary Assessment Details** | |
| **Date of assessment** | December 12, 2025 |
| **Status of assessment** | Final |
| **Conclusion of assessment** | Passed |

*The definition of $CO_2$ Removal Supplier and Production Facility can be found in the Puro Standard.

## 2. Non-Technical Project Summary**

This project will capture CO2 from the flue gas of an existing waste-2-energy facility for permanent storage in the North Sea. The project will capture approx. 220,000 tons of CO2 annually. A large part of the CO2 is biogenic and eligible for verified CORC's.

The CO2 will be captured using amine capture technology at the waste-2-energy plant Energnist Esbjerg. The waste-2-energy plant operates all year round and CO2 will be captured at a steady rate. Captured CO2 is transported from the capture facility to the port of Esbjerg via pipe. At the port the CO2 is conditioned and temporarily stored. From the port, the CO2 is shipped to a location in the North Sea where the CO2 will be injected into a sub-surface reservoir for permanent storage.

**Added by the supplier. Between 150-200 words.

## 3. Criteria Assessment Report

Reminder: Criteria/Sub-criteria assess either the *technical eligibility* of the facility or its *maturity and quality*, determining whether the facility qualifies for $CO_2$ Removal Certificates (CORCs) and evaluating its development stage and operational quality. There are three types of sub-criteria:

- **Required to be Passed**: These core criteria are crucial for determining the Supplier's facility eligibility as they may be otherwise impossible or costly to change at a later stage. For example, if the supplier is at a such an early stage of development that the *capture technology is not yet identified*, the PA won't be able to provide useful insights regarding the facility's eligibility.

- **Required to be Assessed**: These criteria are important for evaluation, but they do not necessarily determine whether the facility will pass or fail at this stage. Suppliers may be at different stages of development, and some criteria (e.g., demonstrating the necessary permits) may not yet be fully met. In such cases, disclosing the status of permit acquisition is sufficient.

- **Not Required**: These criteria are optional and do not impact the facility's eligibility for listing at this stage. They may provide additional context or information about the facility's maturity but are not essential for passing the preliminary evaluation.

For a facility to be considered eligible for listing, all the sub-criteria that condition eligibility must be met (i.e. passed or assessed), as specified in Table 1. **If any of these critical sub-criteria are not met, the facility will not be eligible for listing in its current development stage.**

Disclaimer: The assessment has been made against the criteria in the current version of the methodology. Puro.earth relied on the $CO_2$ Removal Supplier for the correctness of the provided information during the time of the PA and will make no representation as to the accuracy or completeness of this report. The $CO_2$ Removal Supplier must undergo a third-party audit before issuing $CO_2$ Removal Credits (CORCs). **Passing the PA does not guarantee a success in the third-party audit.**

*Table 1. Criteria and sub-criteria assessment by Puro based on the documents submitted in the Audit Package.*

| ID | Criteria / Sub-Criteria | Outcome | Comment | Evidence Received | Required to be Listed | Purpose of Criteria |
|---|---|---|---|---|---|---|
| **c1** | **Planned $CO_2$ capture technology is technically sound** | **Passed** | | | | |
| *c1.1* | *Captured $CO_2$ stream contains eligible $CO_2$ (atmospheric or from eligible biomass sources). If the captured $CO_2$ stream also* | Passed | The $CO_2$ source is biogenic $CO_2$ from the Energnist Esbjerg waste-to-energy (WTE) facility, which processes mixed municipal waste. A 2024 laboratory analysis confirmed that a known fraction of the flue-gas $CO_2$ was fossil-derived, reflecting the plastics content in mixed municipal waste. This | Project Description.docx; GSC - Capture site description.xlsx ; Summary of Energnist_fCO2 | Required to be passed | Technical eligibility |

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| | *contains non-eligible $CO_2$, the fraction of the non-eligible $CO_2$ can be determined or is already known* | | fraction has remained consistent across recent years, indicating stable biogenic-to-fossil ratios in the waste stream. | Årsrapport 2024_FORCE rapport 124-20463-13.pdf | | |
| *c1.2* | *Captured $CO_2$ stream consists overwhelmingly of carbon dioxide (i.e. > 95%)* | Passed | Once captured, the $CO_2$ will be transported by pipeline in gaseous form to a purification and liquefaction plant at Esbjerg port. There, non-condensable gases (e.g., $O_2$, $N_2$, argon, $NO/NO_2$) will be removed and the $CO_2$ liquefied to meet the ≥99.91% purity required by the intended storage site. No laboratory analysis has yet been provided; $CO_2$ composition characterisation will be required and must be submitted for the audit.<br><br>**Linked to Criteria 3.2:**<br>Because purification and liquefaction occur after pipeline transport, the composition of the $CO_2$ stream for injection is assessed at the purification and liquefaction plant rather than at the capture facility. | RFP_1000016-Z-SC--001_revo.pdf | Required to be passed | Technical eligibility |
| *c1.3* | *One or more options of capture technology have been identified* | Passed | The capture technology selected is amine-based absorption and desorption, which separates $CO_2$ from the flue gas generated by municipal solid waste incineration. | Project Description.docx; GSC - Capture site description.xlsx | Required to be passed | Technical eligibility |
| *c1.4* | *Annual $CO_2$ capture capacity has been evaluated* | Assessed | Annual $CO_2$ capture capacity is expected to be 220,000 tonnes of $CO_2$/yr (biogenic and non-biogenic). | GSC - Capture site description.xlsx | Required to be assessed | Maturity & Quality |
| *c1.5* | *Capture technology design has been decided, contracted, or purchased* | Assessed | The capture technology is in the Front End Engineering Design (FEED) phase, with two technology providers currently under evaluation. The final technology contract has not yet been awarded. | GSC - Capture site description.xlsx | Required to be assessed | Maturity & Quality |
| *c1.6* | *Capture technology is vetted, regarding technical performance* | Assessed | The chosen amine-based $CO_2$ capture system is a well-established industrial technology, commercially operational at multiple sites. Based on U.S. Energy Information Administration data, it is expected to capture 25.1 tonnes of $CO_2$ per hour, consuming 7,648 kWh of electricity and 21,689.5 kWh of thermal energy per hour. Water consumption is minimal, as the closed-loop cooling system generates more water from flue gas than the plant uses. | GSC - Capture site description.xlsx | Required to be assessed | Maturity & Quality |
| *c1.7* | *Legal documentation of the capture site(s) has been planned or obtained* | Assessed | • A $CO_2$ capture facility, Energnist CaptureCo, will be integrated into the existing Energnist Esbjerg WTE plant. Energnist CaptureCo A/S will act as both the $CO_2$ removal supplier and the owner of the capture facility.<br>• A cooperation agreement for establishing Energnist CaptureCo A/S has reportedly been finalized, and investor and ownership agreements for the capture site have been drafted.<br>• Other legal documentation for the capture site is being planned and coordinated with relevant authorities. Local plan approval, including the Environmental Report, has been considered for approval by Esbjerg Municipality. The adoption of the new local development plan was | Project Description.docx; Sub-appendix 4.C - Authority Approval Plan, Rev. 01.pdf; Sub-appendix 4.A - Project Description, Rev. 1.pdf | Required to be assessed | Maturity & Quality |

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| | | | approved on December 18, 2025. The environmental application process, including the environmental impact assessment and environmental permitting, is currently ongoing with the Danish Environmental Protection Agency. The building permit application is registered, and ongoing dialogue with the municipality ensures documentation aligns with the final project, although formal processing cannot occur until the local plan is adopted. $CO_2$ emission permits are required under Danish quota regulations, and a monitoring plan will be submitted six months before hot commissioning, in line with Danish Energy Agency (DEA) requirements. Clarification with DEA is ongoing to determine whether the capture facility is considered part of the Energnist Esbjerg plant for $CO_2$ accounting, including $CO_2$ quota registration and free allowances, with applications planned six months prior to commissioning. None of the required legal documentation has been provided to date; it will need to be submitted for the audit. | | | |
| **c2** | **For biogenic CO2: Planned biomass source(s) is(are) eligible** | **Passed** | | | | |
| *c2.1* | *Biomass feedstock has been categorised (i.e. origin and type) in accordance with the latest version of the Puro Biomass Sourcing Criteria* | Passed | The biomass feedstocks processed at the WTE facility are described as urban garden waste, mixed municipal solid waste, and sorted food wasted and assimilated. These biomass types fall under Categories D, A and B of Puro's Biomass Sourcing Criteria, respectively, and are all eligible for CORC issuance. | Biomass Types and Origins List – GSC.xlsx | Required to be passed | Technical eligibility |
| *c2.2* | *Biomass feedstock sustainability and traceability can be demonstrated to the level required by the Puro Biomass Sourcing Criteria* | Assessed | For each identified biomass type, the Supplier must demonstrate compliance with Puro's Biomass Sourcing Criteria. While Categories A, B, and D have no specific sustainability criteria, traceability and feedstock information must be provided, and the Supplier must show that waste is not deliberately generated for CDR purposes. At this stage, the Supplier has provided high-level information on biomass origin and sourcing. The Supplier is expected to maintain delivery records identifying the waste providers and geographic origins, processes that should already be in place given that the WTE plant is already operational. | Biomass Types and Origins List – GSC.xlsx | Required to be assessed | Technical eligibility |
| *c2.3* | *Ecological leakage relating to the use of biomass feedstock is minimal* | Assessed | The biomass feedstocks are classified as post-consumer waste streams (feedstock Categories A, B and D). This leakage source is considered irrelevant for the biomass feedstocks described. | Biomass Types and Origins List – GSC.xlsx | Required to be assessed | Technical eligibility |
| *c2.4* | *Market and activity shifting leakage relating to the use of biomass feedstock is minimal or addressed* | Assessed | The biomass feedstocks are classified as post-consumer waste streams (feedstock Categories A, B and D). This leakage source is considered irrelevant for the biomass feedstocks described. | Biomass Types and Origins List – GSC.xlsx | Required to be assessed | Maturity & Quality |

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| *c2.5* | *Sourcing of biomass is secured (e.g. letters of intent, contracts)* | Assessed | The facility is an operational WTE plant, and its feedstock sourcing is assumed to be secured based on industry practice, where such plants hold long-term supply contracts with municipalities or waste collection companies. The facility was processing biomass prior to being retrofitted with carbon capture infrastructure, and it is expected that the same biomass feedstock will continue to be used. However, no letters of intent or contracts were provided to verify secured biomass sourcing. | Production Facility Definition and Baseline Scenario – GSC.xlsx | Not required | Maturity & Quality |
| **c3** | **Planned $CO_2$ logistics (processing, transport, intermediary storage) are technically sound** | **Passed** | | | | |
| *c3.1* | *Full logistics chain (processing, transport, and intermediary storage) has been identified* | Passed | $CO_2$ logistics (transport, liquefaction, intermediary storage, and shipping) will be located at the Port of Esbjerg as part of a larger liquid $CO_2$ terminal. The logistics chain consists of four steps: once $CO_2$ is captured from flue gas, (1) it is transported via pipeline to the Esbjerg Port; (2) it undergoes liquefaction and purification at the port terminal (3) and is temporarily stored there; and (4) it is shipped to an offshore injection platform, from where it will finally be injected under supercritical conditions for final storage in the North Sea. | Project Description.docx; Sub-appendix 4.A - Project Description, Rev. 1.pdf | Required to be passed | Technical eligibility |
| *c3.2* | *Properties of the $CO_2$ stream to be transported are compatible with the logistics chain* | Assessed | The gaseous $CO_2$ transported from the capture facility is compatible with pipeline transport to the Port of Esbjerg. At the port, it undergoes liquefaction and purification, including the removal of $O_2$, $N_2$, argon, and $NO/NO_2$, to meet the specifications for intermediate storage and subsequent offshore shipping to geological storage (**see Criteria 1.2**). | RFP_1000016-Z-SC--001_revo.pdf | Required to be assessed | Maturity & Quality |
| *c3.3* | *Legal documentation of the logistics chain has been planned or obtained* | Assessed | Legal documentation for the capture site is being planned and coordinated with relevant authorities.<br>• Transport, liquefaction, and intermediary storage of $CO_2$: The Port of Esbjerg is responsible for ensuring full compliance with the local development plan as a condition of the building permit, which it will apply for and secure from the Municipality of Esbjerg. Additionally, as the port will be transporting $CO_2$, it is subject to $CO_2$ quota regulations and must obtain a valid $CO_2$ emission permit from the Danish Energy Agency before commencing operations. The current status of this permit is not yet clear.<br>• Shipping of $CO_2$: Vessel approval for $CO_2$ transport falls under the Danish Maritime Authority, including submission of sailing safety assessments and approval for $CO_2$ carriage. The current status of this approval is not yet clear.<br>None of the required legal documentation has been provided to date; it will need to be submitted for the audit. | Sub-appendix 4.C - Authority Approval Plan, Rev. 01.pdf | Required to be assessed | Maturity & Quality |

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| *c3.4* | *CO2 logistics is secured (e.g. letters of intent, contracts)* | Assessed | A statement of intent and a transport agreement have reportedly been signed between the Supplier and the Port of Esbjerg for the development of the new $CO_2$ infrastructure, including the pipeline, liquefaction facility, and intermediate storage. Negotiations for a long-term shipping agreement have reportedly begun. | Project Description.docx; Sub-appendix 4.C - Authority Approval Plan, Rev. 01.pdf; Sub-appendix 4.A - Project Description, Rev. 1.pdf | Not required | Maturity & Quality |
| **c4** | **Planned CO2 storage site(s) is(are) eligible** | **Passed** | | | | |
| *c4.1* | *One or more options for eligible CO2 storage sites have been identified and are meant solely for permanent storage (no enhanced hydrocarbon recovery)* | Passed | The designated $CO_2$ storage site is located in a retired oil field within the Danish North Sea. The permanent storage is located approximately 1,700 meters below the seabed. The Supplier confirmed that the storage site will not be used for enhanced hydrocarbon recovery. | Project Description.docx; Publicly disclosed storage site reports | Required to be passed | Technical eligibility |
| *c4.2* | *Robust legal framework of the storage site jurisdiction(s) has(have) been demonstrated* | Assessed | The storage site is located in the North Sea under Danish jurisdiction. Denmark, a member state of the European Economic Area (EEA) Agreement, is a priori recognized for its robust legal framework supporting the environmentally safe geological storage of carbon dioxide. | Puro.earth GSC Methodology – Edition 2024 | Required to be assessed | Technical eligibility |
| *c4.3* | *Relevant permits for the injection and storage of geological CO2 have been planned or obtained* | Assessed | Relevant permits for geological $CO_2$ injection and storage are being planned and progressed with relevant authorities. | Project Description.docx; Sub-appendix 4.C - Authority Approval Plan, Rev. 01.pdf | Required to be assessed | Maturity & Quality |
| *c4.4* | *Storage site for CO2 is secured (e.g. letters of intent, contracts)* | Assessed | An offtake agreement is currently under review. Although no signed contract has been provided, the project's advanced stage suggests that the storage site is expected to be secured. | Project Description.docx; Sub-appendix 4.A - Project Description, Rev. 1.pdf | Not required | Maturity & Quality |
| **c5** | **Additionality is demonstrated** | **Passed** | | | | |
| *c5.1* | *Carbon additionality to the baseline* | Passed | Without the project, there would be no $CO_2$ removals, as the baseline scenario reflects continued operation of the existing WTE plant without carbon capture, with all emissions released to the atmosphere. | Project Description.docx; Puro Additionality v1.9.docx | Required to be passed | Technical eligibility |
| *c5.2* | *Financial additionality* | Passed | Even with Danish state subsidies for $CO_2$ storage, the project is not financially viable without revenues from CORCs. Investment analysis by PwC shows that CORC income increases the project IRR to a level enabling financing and realization. | Project Description.docx; Puro Additionality v1.9.docx | Required to be passed | Technical eligibility |
| *c5.3* | *Regulatory additionality* | Passed | No Danish or EU regulation requires the installation of carbon capture or geological storage at waste-to-energy facilities. The existing plant holds all permits to operate without $CO_2$ capture, confirming that the project is voluntary and beyond compliance. | Project Description.docx; Puro Additionality v1.9.docx | Required to be passed | Technical eligibility |
| **c6** | **Environmental and social safeguards** | **Passed** | | | | |
| *c6.1* | *Stakeholder consultations have been planned or conducted* | Assessed | Stakeholder consultations for the project have reportedly been planned and are being conducted in accordance with Danish law, specifically the Danish Environmental Assessment Act and the Planning Act. Engagement covers the full project value chain, from $CO_2$ capture at the Energnist Esbjerg | Project Description.docx; Puro Stakeholder Engagement Report.docx | Required to be assessed | Maturity & Quality |

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| | | | facility to transport, terminal handling, and storage at a site in the North Sea. Key stakeholders include local industries, landowners, municipal authorities, and relevant NGOs. A public hearing for the storage was held in March 2025, and further consultations are planned for the capture plant and associated infrastructure, in alignment with Danish law. Future engagement is reportedly planned to ensure continued dialogue beyond the initial consultation period. Stakeholder consultations, as well as the ongoing feedback and grievance mechanism, will need to be clearly documented and described for the audit. | | | |
| *c6.2* | *Applicable regulations for the geological storage activity have been identified* | Assessed | Relevant regulations have been identified. The project operates under the Danish Environmental Assessment Act (Miljøvurderingsloven), the Danish Environmental Protection Act (Miljøbeskyttelsesloven), Planning Act (Planloven), and Working Environment Act (Arbejdsmiljøloven). The project complies with the Equal Treatment Act (Ligebehandlingsloven), Equal Pay Act (Ligelønsloven), and Act on Prohibition of Discrimination in Employment (Forskelsbehandlingsloven), ensuring equal opportunities and gender equality. | Project Description.docx; Puro Environmental and Social Safeguards.docx | Required to be assessed | Maturity & Quality |
| *c6.3* | *Environmental and social permits, assessments, and other **statutory** documentation have been identified, planned, or obtained* | Assessed | Environmental and social permits and assessments have been identified and are being progressed for all project components, in line with Danish law. The $CO_2$ capture facility at Energnist Esbjerg will be covered by an addendum to its existing environmental permit, with the EIA currently under review by the Danish Environmental Protection Agency. Pipeline transport and liquefaction is expected to require only a screening for environmental impact, currently underway by the Port of Esbjerg, followed by an eight-week public hearing. For geological storage, an EIA was completed and a public hearing held in March 2025. None of the EIAs has been provided to date and will need to be submitted for the audit. | Project Description.docx; Puro Environmental and Social Safeguards.docx; Sub-appendix 4.C - Authority Approval Plan, Rev. 01.pdf | Required to be assessed | Maturity & Quality |
| *c6.4* | *Environmental and social safeguards assessment has been planned, drafted, or conducted* | Assessed | An environmental and social safeguards assessment has been planned and partially addressed. Potential environmental impacts (including emissions, waste, noise, and industrial hazards) have been identified through the EIAs and are managed via environmental management systems and safety procedures. The project is located in an industrial zone with no expected impacts on natural habitats, protected areas, or nearby communities; including mitigation measure for the displacement of a rainwater basin at the capture facility, approved by local authorities. The EIA is currently under review with the Danish Authorities. Social risks are minimal, with no displacement, no vulnerable or indigenous groups affected, and community safety maintained through regulated permits. Labor, human rights, and process safety risks are mitigated through formal systems and training. | Project Description.docx; Puro Environmental and Social Safeguards.docx | Required to be assessed | Maturity & Quality |

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| | | | None of the supporting documentation has been provided to date and will need to be submitted for the audit. | | | |
| *c6.5* | *Risk assessment has been planned, drafted, or conducted* | Assessed | While environmental risk assessments for the removal activity were not reportedly legally required, relevant risks were considered through the EIAs (see **Criteria 6.4**). However, the Methodology requires the Supplier, together with its partners, to develop adequate risk assessments that inform the activity's monitoring plan. These documents are yet to be developed. | Project Description.docx; Puro Environmental and Social Safeguards.docx | Required to be assessed | Maturity & Quality |
| **c7** | **Facility has monitoring, reporting, and LCA capabilities or tangible plans for it** | **Passed** | | | | |
| *c7.1* | *A monitoring plan has been drafted* | Passed | A monitoring plan has been drafted outlining the project's scope (covering $CO_2$ capture, transport, liquefaction, shipping, and storage) and requiring each operator to implement data-collection systems. The Supplier will maintain a centralized repository of verified datasets for CORC issuance. The plan identifies key monitoring parameters, with methods, frequency, and QA/QC procedures to be detailed by each operator. These elements appear sufficient for quantifying carbon captured and stored, addressing reversals, and providing an initial basis for assessing uncertainty in fossil $CO_2$ monitoring at the WTE plant. However, further refinement is needed to fully monitor and quantify project- and supply-chain emissions. The WTE plant must be included within the scope of the Monitoring Plan. Monitoring of social and environmental impacts is also not yet included, although it is not expected to pose an issue, as indicated by the already conducted EIAs; it will nonetheless be required for the audit. | Project Description.docx; MRV_Plan .docx; Evaluering af usikkerhed for anvendt metode til overvågning af fossil CO2-udledning, Energnist Esbjerg.pdf | Required to be passed | Maturity & Quality |
| *c7.2* | *A monitoring plan specific to the storage site(s) has been drafted* | Assessed | The Supplier's preliminary monitoring plan outlines key elements related to $CO_2$ storage that will be carried out by the storage operator. These include, on behalf of the storage operator, monitoring of reservoir behavior (pressure, temperature, plume migration) to confirm storage integrity, as well as provisions for detecting releases, reversals, and leaks, and for conducting closure and post-closure monitoring. These elements have been submitted in the MMV plans for the storage site to the Danish Energy Agency, which issued the storage site endorsement certificates and the storage site operating license (see **Criteria 4.3**). Detailed evidence of the storage-site monitoring plan has not yet been provided though and will be required for the audit. | Project Description.docx; MRV_Plan.docx; Publicly disclosed storage site reports | Required to be assessed | Maturity & Quality |

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| *c7.3* | *An LCA model specific to the facility's operation is prepared in line with the monitoring plan* | Assessed | No LCA model was submitted. However, the preliminary monitoring plan defines the project scope and key parameters, indicating that LCA work is underway, but not yet delivered. | Project Description.docx; MRV_Plan.docx | Not required | Maturity & Quality |
| **c8** | **Leakage sources (excluding those from the use of biomass feedstock) are determined** | **Passed** | | | | |
| *c8.1* | *Leakage sources are identifiable, have been identified, and/or characterised* | Passed | Leakage sources relevant to the facility have been identified and characterized. This includes:<br>• Ecological leakage impacts relating to negative effects on the nearby land and ecosystems surrounding the areas where facilities are built or extended, either via land drainage or land cover change due to the construction of the capture site and logistics infrastructure.<br>• Market and activity shifting leakage related to reduced electricity and thermal energy output due to the retrofitting of the waste-to-energy plant. | Leakage Determination – GSC.xlsx | Required to be passed | Technical eligibility/ Maturity & Quality |
| *c8.2* | *Procedures to assess mitigated leakage sources have been identified, planned or applied* | Assessed | Mitigation strategies have been both conducted and planned.<br>• For ecological leakage relating to the capture site, EIA's for the construction of the capture site have been conducted, concluding that nearby ecosystems will not be negatively impacted by the project.<br>• For ecological leakage relating to the logistics infrastructure, an EIA is planned to assess project impacts and is an accepted method to demonstrate no negative impacts.<br>• For market and activity shifting leakage relating to reduced electricity output, the Supplier has planned to purchase renewable energy certificates once the site is commissioned and procurement is possible.<br>• For market and activity shifting leakage relating to reduced thermal energy output, the Supplier indicates that thermal energy demand will decrease due to the commissioning of new thermal energy systems. | Leakage Determination – GSC.xlsx | Required to be assessed | Technical eligibility/ Maturity & Quality |
| *c8.3* | *Procedures to quantify non-mitigated leakage sources have been identified, planned or applied* | Assessed | Currently, ecological leakage relating to the logistics infrastructure is unmitigated as the EIA has not yet been conducted and would need to be quantified if the EIA identifies negative impacts. Conservatively, the Supplier has indicated that expected leakage impacts can be quantified, which will be possible to quantify once the EIA is conducted. | Leakage Determination – GSC.xlsx | Required to be assessed | Technical eligibility/ Maturity & Quality |
| **c9** | **Facility has likely co-benefits and positive SDG impacts** | **Passed** | | | | |
| *c9.1* | *Facility-specific co-benefits have been identified* | Assessed | In addition to capturing $CO_2$ from the WTE plant flue gas, which generates negative emissions credited under the CORCs from the biogenic share of $CO_2$, the $CO_2$ removal activity also reduces the carbon footprint of municipal waste treatment and the district heating supplied to Esbjerg and Varde residents by capturing the fossil share of $CO_2$ and lowering the facility's | Project description.docx | Required to be assessed | Maturity & Quality |

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| | | | overall emissions. The activity also aims to improve air quality by further removing other pollutants present in the flue gas. | | | |
| *c9.2* | *Facility-specific SDG targets or indicators have been identified* | Assessed | No specific SDG target or indicators have been identified at this stage. | Puro SDG Report Template.docx; Leakage Determination – GSC.xlsx | Required to be assessed | Maturity & Quality |
| *c9.3* | *NDCs commitments, or other net-zero plans relevant to Article 6 of the Paris Agreement of the host country have been identified* | Assessed | Denmark's Climate Act targets a 70% GHG reduction by 2030 (relative to 1990) and climate neutrality by 2050, with CCUS recognized as a key measure. The Danish district heating sector aims for 100% carbon-neutral heat by 2030. This project supports these goals by reducing the carbon intensity of municipal heat and contributing to Denmark's national decarbonization pathway. | Puro SDG Report Template.docx; | Not required | Maturity & Quality |
| **c10** | **Facility team has access to relevant knowledge and skills** | **Passed** | | | | |
| *c10.1* | *Relating to $CO_2$ capture* | Assessed | The facility team has access to relevant knowledge and skills across $CO_2$ capture, logistics, geological storage, and monitoring. Energnist CaptureCo A/S is supported by the WTE plant, Energnist Esbjerg A/S, and other technical partners, covering the full value chain from design and engineering to construction, commissioning, operation, and maintenance. Expertise in $CO_2$ storage is reinforced through collaboration with a proven storage operator,. Facility-specific monitoring plans comply with Danish and EU regulations, addressing robust MRV requirements as well as environmental and social safeguards. | Project Description.docx; MRV_Plan.docx; Sub-appendix 4.C - Authority Approval Plan, Rev. 01.pdf; Sub-appendix 4.A - Project Description, Rev. 1.pdf | Not required | Maturity & Quality |
| *c10.2* | *Relating to $CO_2$ logistics (transport)* | | | | Not required | Maturity & Quality |
| *c10.3* | *Relating to geological storage of $CO_2$* | | | | Not required | Maturity & Quality |
| *c10.4* | *Relating to monitoring and emission accounting* | | | | Not required | Maturity & Quality |