OESTE DE CAUCAIA LANDFILL PROJECT ACTIVITY

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Project Title	*Oeste de Caucaia Landfill Project Activity*
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1 SUMMARY OF SUSTAINABLE DEVELOPMENT CONTRIBUTIONS

The primary objective of the Oeste de Caucaia Landfill Project Activity (the "Project") is to avoid greenhouse gases emission by the Oeste de Caucaia Landfill through landfill gas capture, purification, and injection in a distribution grid, while contributing to the environmental, social, and economic sustainability by minimizing global climate changes and local air pollution. Additional benefits derived from the implementation of the project as Sustainable Development (SD) contributions include the provision of biomethane produced to households as a renewable energy source, and the increase of employment opportunities through full-time and permanent positions.

The Oeste de Caucaia - Ecofor is a municipal solid waste (MSW) landfill located in Caucaia, Brazil. The landfill is owned by the municipality of Caucaia and operated since 2003 by ECOFOR, under a 20-year concession. The site property covers 116 hectares (ha), of which 84.1 ha have been designated for waste disposal and is divided in 6 different disposal areas: SL1-SL2, SHA, S1-S5, S6-S7, S8-S10 and S11-S14. Areas SL1-SL2, SHA and S8-S10 have the oldest waste, but they did not present sufficient biogas production to justify the implementation of the forced LFG extraction system. The active disposal area is located in Area S6-S7. In addition to these areas, in 2019 ECOFOR was granted a license to expand the landfill area, which adds approximately 73 hectares to the existing landfill.

The Project supports the Sustainable Development Goal 13 – Climate Action by reducing GHG emissions in the atmosphere through the capture of methane that without the Project activities would be vented or flared. Thus, the quantification of SDG 13 contribution is assessed relying on the same assumptions, methodology and metrics for the issuance of the relevant carbon credits.

2 PROJECT CONTRIBUTIONS

The project's quantifiable contributions to specific targets and indicators of the Sustainable Development Goals (SDGs) for the SD contributions reporting period is detailed in the following table. The official list of SDG Targets and Indicators provided by VERRA is used to identify the SDG Targets to which the project has contributed. Evidence for each contribution is identified in Appendix 1 below.

Table 1 : Sustainable Development Contributions

Row number	SDG Target	SDG Indicator	Net Impact on SDG Indicator	Current Project Contributions	Contributions Over Project Lifetime
1)	13.0	Tonnes of greenhouse gas emissions avoided or removed	Implemented activities to increase	The project avoided anthropogenic emissions of greenhouse gases (GHG) of 77'019 tCO2 during the reporting period (24/09/2020 – 31/12/2020).	The project has avoided anthropogenic emissions of greenhouse gases (GHG) of 1,158,150 tCO2e during its lifetime.
2)	7.1	Proportion of population with primary reliance on clean fuels and technology (7.1.2)	Increased access to energy.	At the time of this Report's issuance, specific SD contributions not quantified for the period between September 2020-December 2020	The project has contributed to the provision of biomethane gas to 2,982 households during its lifetime.
3)	8.5	Total number of jobs (user defined indicator)	Increase employment opportunities	At the time of this Report's issuance, specific SD contributions not quantified for the period between September 2020-December 2020	The project has increased the total number of jobs in 117 collaborators during its lifetime, distributed in two companies.

APPENDIX 1: SUPPORTING EVIDENCE

Supporting Documents for Contribution 1 towards SDG 13

Emission reductions achieved during the Third Monitoring Period of the Project

E.5. Comparison of emission reductions or net anthropogenic removals achieved with estimates in the registered PDD

Amount achieved during this monitoring period ($t CO_2e$)	Amount estimated ex ante for this monitoring period in the PDD ($t CO_2e$)
77,019	156,846

E.5.1. Explanation of calculation of "amount estimated ex ante for this monitoring period in the PDD"

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Calculated using the PDD estimation of emission reductions to be achieved in 2020 (579,856 tCO_2e) times the number of days in this monitoring period for this year (99 days) divided by the number of days in the year (366 days).

Source: Monitoring Report Section E5 (CDM Project 10261, registered under VCS 2600).