



Standards for a  
Sustainable Future

# VTRM RENEWABLE ENERGY 2 PROJECT SUSTAINABLE DEVELOPMENT CONTRIBUTIONS REPORT

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<b>Project Title</b>	VTRM Renewable Energy 2
<b>Project ID</b>	1903
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# 1 SUMMARY OF SUSTAINABLE DEVELOPMENT CONTRIBUTIONS

VTRM Renewable Energy 2 is a grouped project that consists of the implantation and operation of wind power plants (WPPs) in Brazil. Our WPPs supplies clean electricity to the Brazilian National Interconnected System (SIN). As a direct benefit from the VTRM WPPs we highlight the reduction of greenhouse gases (GHG) emissions, by avoiding electricity generation from fossil fuels sources that would occur in the absence of this project. The project baseline scenario has considered the situation before the project implementation: the electricity delivered to the grid by the project activity would have otherwise been generated by the operation of grid-connected power plants and by the addition of new generation sources, as reflected in the combined margin calculations according to “Tool to calculate the emission factor for an electric system”. The project activities instance is the complex called Ventos do Piauí I Complex, composed by seven wind power plants. The estimated annual average GHG emission reductions is **348,000 tCO<sub>2</sub>eq per year**.

In addition to its environmental benefits on preventing Greenhouse Gases emissions, the project has brought many social co-benefits including:

- The project supported **26** families in situations of social vulnerability through the construction of agroecological backyards to promote sustainable agriculture for food production; construction of systems for capturing and storing drinking water; and by promoting initiatives to ensure the availability of clean and affordable energy.
- The project aided **4** municipalities located between Piauí and Pernambuco states with the donation of **2,500** food kits. It was also distributed **510,821** personal protective equipment for **6** municipalities, and it was implemented telemedicine projects in Intensive Care Unit (ICU) in 02 hospitals. Additionally, more than **100,000** protective masks have been delivered as a measure to increase the capacity to deal with the COVID-19 pandemic situation and help to improve the project surroundings communities’ health and the quality of life.
- The project has been contributing for the improvement of children and adolescents’ education in the Pernambuco and Piauí States by focusing on: Training school principals and professionals from the municipal education departments also considering the society mobilization and awareness regarding the value of education. This educational approach seeks to enhance one of the main Brazilian Education Ministry KPI<sup>1</sup> (IDEB) among the municipalities influenced by the project.

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<sup>1</sup> <https://www.gov.br/inep/pt-br/areas-de-atuacao/pesquisas-estatisticas-e-indicadores/ideb>

## 2 PROJECT CONTRIBUTIONS

Table 1 : Sustainable Development Contributions

Row number	SDG Target	SDG Indicator	Net Impact on SDG Indicator	Current Project Contributions	Contributions Over Project Lifetime
1	2.1	2.1.1 - Prevalence of undernourishment	Implemented activities to decrease	26 families (approximately 117 people) have benefited from increased access to food through backyard vegetable gardens.	<b>26 families</b> in situations of social vulnerability received agroecological backyards to promote sustainable agriculture. The “Bem Viver” initiative has aided approximately <b>117 people</b> .
2	3.d	User-defined indicator: number of personal protective equipment donated to combat COVID-19	Implemented activities to increase	510,812 personal protective equipment donated in 8 Brazilian municipalities as a measure to combat the COVID-19 pandemic, helping the local people and needy municipalities around the operations.	<b>510,821 personal protective equipment</b> donated in 6 Brazilian municipalities (Santa Filomena, Betânia, Curral Novo, Ouricuri, Paulistana and Picos) as measure to combat the COVID-19 pandemic, helping the local people and needy municipalities around the operations.
3	4.c	User-defined indicator: number of teachers awarded with initiatives to improve public education	Implemented activities to increase	393 teachers participated in the PVE "Program for Valuing Education" which seeks to improve public education based on management practices with social mobilization of communities and teachers in 4 municipalities where the project operates.	<b>393 teachers</b> participated in the PVE "Program for Valuing Education" which seeks to improve public education based on management practices with social mobilization of communities and teachers. Santa Filomena, Betânia, Curral Novo and Ouricuri were the municipalities covered by the project operates.




Row number	SDG Target	SDG Indicator	Net Impact on SDG Indicator	Current Project Contributions	Contributions Over Project Lifetime
4	6.1	6.1.1 Proportion of population using safely managed drinking water services	Implemented activities to increase	Since 2019, the “Bem Viver” Project, in the semi-arid region, has contributed with initiatives to ensure the availability and sustainable management of drinking water for local communities in situations of social vulnerability, in the municipality of Curral Novo do Piauí (Piauí State). It has been built 6 systems for capturing and storing drinking water benefiting approximately 24 people.	The company provided <b>6 systems for storing and capturing drinking water</b> , helping with for needy communities in the vicinity of the operations. Around <b>24 people</b> were benefited in Curral Novo municipality – Piauí State.
5	6.1	6.2.1 Proportion of population using safely managed sanitation services, including a hand-washing facility with soap and water	Implemented activities to increase	Since 2019, the “Bem Viver” Project, in the semi-arid region, has contributed with initiatives that worked to ensure the availability of basic sanitation for local communities in situations of social vulnerability, in the municipality of Curral Novo do Piauí (Piauí State). It has been built 23 systems sanitation systems, including hand-washing facility with soap and water, benefiting approximately 96 people.	The company provided <b>23 sanitation systems, including hand-washing facility with soap and water</b> , helping with basic sanitation for needy communities in the vicinity of the operations. Around <b>96 people</b> were benefited in Curral Novo municipality.

Row number	SDG Target	SDG Indicator	Net Impact on SDG Indicator	Current Project Contributions	Contributions Over Project Lifetime
6	7.1	7.1.1 Proportion of population with access to electricity	Implemented activities to increase	<p>Since 2019, “Bem Viver” Project, in the semi-arid region, has contributed with initiatives that worked to ensure the availability of clean and affordable energy for the population surrounding the WPP operations in the municipality of Curral Novo do Piauí (Piauí State). Through the project, the company built 7 solar energy systems, serving approximately 28 people.</p>	<p>It was delivered <b>7 solar energy systems</b> in line with ODS 7 which aims at reliable, sustainable, and modern energy sources for around <b>28</b> people in Curral Novo municipality.</p>
7	13.0	Tonnes of greenhouse gas emissions avoided or removed	Implemented activities to increase	<p>The operation of Ventos do Piauí I generates renewable energy from the winds, preventing the release of 348 thousand tons of carbon dioxide equivalent (CO<sub>2</sub>eq) into the atmosphere per year.</p>	<p>Emissions reductions for this project are estimated at <b>348 mil tCO<sub>2</sub>eq</b> per year of operation.</p>

# APPENDIX 1: SUPPORTING EVIDENCE

Evidence for each contribution and required documents are provided below






**Target 2.1:** Families in situations of social vulnerability received agroecological backyards to promote sustainable agriculture.

#	Description	Evidence
1	Engaging activity with a family of the “Bem Viver” program in the semi-arid region.	
2	Installation of agroecological backyards	
3	Agroecological backyards	

**Target 3.3:** Please see the reports published by the company during the monitoring period:

- [ANNUAL SUSTAINABILITY REPORT 2020](#)
- [ANNUAL SUSTAINABILITY REPORT 2019](#)
- [COMMUNICATION ON PROGRESS 2020](#) (port.)





**Target 4.c:** Photos of the PVE program that involves face-to-face training activities for education professionals and remote activities with students and education professionals, due to the COVID-19 pandemic.

#	Description	Evidence	Evidence
1	<p>First action of the PVE mobilization group in the municipality of Santa Filomena, Pernambuco, in 2019.</p>		  
2	<p>Images of online activities carried out by teachers, municipality education profession and mobilizers during the COVID-19 pandemic.</p>		

#	Description	Evidence	Evidence
3	Photos of the return of face-to-face activities by teachers and students of the PVE program during the COVID-19 pandemic in Pernambuco, 2021.		
4	"Best Practices Seminar" event, held by the Municipal Department of Education, at the City Council of Araripina municipality (Pernambuco Estate), with the municipal schools participating in the Partnership for the Valorization of Education (PVE) program in november 2020. This event was attended by representatives of the municipalities of Araripina, Simões, Curral Novo, Betânia, Santa Filomena and Ouricuri.		

**Target 6.1:** Families in situations of social vulnerability received systems for storing and capturing drinking water and sanitation systems.

#	Description	Evidence	Evidence
1	Explanation about the “Bem Viver” program in the semi-arid region and invitation for families to participate.		

#	Description	Evidence	Evidence
2	Installation of systems for storing and capturing drinking water.		
3	Installation of sanitation systems, including a hand-washing facility with soap and water.		

**Target 13.0:** Please refer to verified Monitoring report for the reporting period and validated Project Description: <https://registry.verra.org/app/projectDetail/VCS/1903>