



# ALAÇATI WIND POWER PROJECT, TURKEY

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<b>Project Title</b>	ALAÇATI WIND POWER PROJECT, TURKEY
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# 1 SUMMARY OF SUSTAINABLE DEVELOPMENT CONTRIBUTIONS

The Alaçatı Wind Power Project, Turkey (hereafter referred to as the “Project”), which is developed by Egenda Ege Enerji Üretim A.Ş. (hereafter referred to as the “project owner”) is a wind power plant in İzmir province, Turkey. The Project has been implemented and operated by Egenda Ege Enerji Üretim A.Ş.

The aim of the project is to generate electricity by the efficient utilization of the available wind energy by project activity replace the grid electricity, which is constituted of different fuel sources, mainly fossil fuels. The electricity produced by project activity result in emission reduction. Thus, the project has a significant contribution to climate protection and to sustainable development in the region.

The project contributes to Sustainable Development Goals as described below:

- SDG 7 - Affordable and Clean Energy: This wind power plant located in , İzmir, Turkey adds an average of 227,658.31 MWh of power to the grid every year, replacing fossil fuel powered electricity.
- SDG 8 - Decent Work and Economic Growth: The project provides employment opportunities to local people.
- SDG 13 - Climate Action: The project realizes emission reduction of 132,790 tonnes of CO<sub>2</sub> per year approximately.

## 2 PROJECT CONTRIBUTIONS

The project’s quantifiable contributions to specific targets and indicators of the Sustainable Development Goals (SDGs) are provided in Table 1 : Sustainable Development 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)	7.2	7.2.1 Renewable energy share in the total final energy consumption	Implemented activities to increase	<p>The project produces electricity from renewable energy sources using wind as the power source and contributes to Turkey's growing electricity demand through a sustainable and low carbon technology.</p> <p>Prevented 227,658.31MWh electricity generation from fossil fuels.</p> <p>The latest statistics for 2016-2020 (during the monitoring period) by Turkish Electricity Transmission Corporation, <i>Renewable Electricity Generation Share in Turkey Total Electricity Generation</i> has reached to <b>%41.9</b>. During the monitoring period, the project had a share of %0.04 within the total renewable share.</p>	Prevented the generation of 227,658.31MWh electricity generation from fossil fuels. <sup>1</sup>

<sup>1</sup>This value has been verified during the 1st Verification of the Project Activity. Please see: <https://registry.verra.org/app/projectDetail/VCS/1437>

2)	8.2	Job creation for local people in a high-value added sector	Implemented activities to increase	<p>During construction and operational period, the project has created employment opportunities for the local community. The project contributes to the economic development of the region by providing sustainable energy resources.</p> <p>As contributing to SGD 8 Decent Work and Economic Growth, one Plant Manager and one chief technician are responsible for all five projects of the project owner. Besides this, eight control operators are working in shifts for the Project Activity.</p> <p>Jobs have been created for two employees.</p>	As contributing to SGD 8 Decent Work and Economic Growth, one Plant Manager and one chief technician are responsible for all five projects of the project owner. Besides this, eight control operators are working in shifts for the Project Activity. <sup>2</sup>
3)	13.0	Tonnes of greenhouse gas emissions avoided or removed	Implemented activities to increase	By producing electricity from wind energy, the project activity has prevented the release of 132,790 tonnes of carbon into the atmosphere during the reporting period.	Prevented the release of 132,790 tonnes of carbon into the atmosphere <sup>3</sup>

<sup>2</sup>This value has been verified during the 1st Verification of the Project Activity. Please see: <https://registry.verra.org/app/projectDetail/VCS/1437>

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