



KARACABEY WIND POWER PROJECT

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Project Title	Karacabey Wind Power Project
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1 SUMMARY OF SUSTAINABLE DEVELOPMENT CONTRIBUTIONS

Karacabey WPP's 12 wind turbines are located in Bursa Province in Turkey. Electricity generated by the project is fed into the national electricity grid, displacing energy that would otherwise be generated by fossil fuels. The project facilitated 259,537.45 MWh renewable electricity generation, 143,289 tCO₂e, several training courses for students during its second monitoring period.¹

Considering regional development efforts, the project owner has employed 10 workers.² Furthermore, project has socially and economically supported the local region through several public reliefs and financial aids.

¹ Project's second Monitoring period is in between 01/10/2018 – 31/03/2021.

² 6 out of 10 were locally performed.

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)	13.0	Tonnes of greenhouse gas emissions avoided or removed	Implemented activities to increase	Activity: CO ₂ e reduction The project has reduced 143,289 tCO ₂ e during its latest monitoring period which was in between 01/10/2018 – 31/03/2021	The project has reduced 239,667 tCO ₂ e over project lifetime - from the project start date to the last day of the second monitoring period - which was in between 21/10/2016 – 31/03/2021.
2)	7.2	7.2.1: Renewable energy share in the total final energy consumption	Implemented activities to increase	Activity: renewable electricity generation 259,537.45 MWh net renewable electricity generated during monitoring period	434,106.64 MWh net renewable electricity generated over project life time - from the project start date to the last day of the second monitoring period - which was in between 21/10/2016 – 31/03/2021.

3)	4.7	<p>4.7.1: Extent to which (i) global citizenship education and (ii) education for sustainable development are mainstreamed in (a) national education policies; (b) curricula; (c) teacher education; and (d) student assessment</p>	<p>Implemented activities to increase</p>	<p>Activity: training</p> <p>9 biological diversity trainings have been given to the secondary school students in their students. 780 secondary school students have participated in these trainings.</p> <p>22 high school students have been trained on the functioning of wind power plants in the project site.</p> <p>The project has trained 802 students within different thematic coverage.</p>	<p>The project has trained 802 students within different thematic coverage and will be training more students in the following years over project lifetime (25 years).</p>
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APPENDIX 1: SUPPORTING EVIDENCE

Row 1 - SDG13: GHG Reductions (tons CO₂e)

Current Project Contributions/ Contributions Over Project Lifetime: The project's emissions reduction has been verified as 143,289 tCO₂e during the latest monitoring period. Please visit the second Monitoring Report.

Row 2 - SDG7: Renewable Electricity Production

Current Project Contributions/ Contributions Over Project Lifetime: The project's net renewable electricity generation has been verified as 259,537.45 MWh during the latest monitoring period. Please visit the second Monitoring Report.

Row 3 - SDG4: Trainings given to the students

Current Project Contributions/ Contributions Over Project Lifetime: The project has trained 802 students within different thematic coverage. The details of these trainings along with the visuals taken during the trainings are given as follow:

Biodiversity Training Course

Education on Biological Diversity was given to secondary school students by the Ministry of Agriculture and Forestry, Nature Conservation and National Parks 2nd Regional Directorate. Within the scope of this program, between 20 March 2019 and 09 April 2019, secondary school students in 9 different schools in Bursa province Nilüfer district, whose names are given below, were given training on "Biological Diversity" by our Company personnel.

The schools visited to provide education and the number of students trained are given below.

70 students at Ali Durmaz Secondary School on 20.03.2019

80 students at Zekai Gümüşdiş Secondary School on 20.03.2019

110 students in Hatice Gani Erverdi Secondary School on 27.03.2019

80 students in Meral Muammer Ağım Middle School on 03.04.2019

On 03.04.2019 Martyr Kr. Pilot Yzb. 90 students in Hakan Tan Secondary School

120 students at Şehit Zafer Koyuncu Imam Hatip Secondary School on 04.04.2019

On 05.04.2019, Martyr Piyade Staff Asst. 80 students in İlker Çelikcan Secondary School

130 students at Rasim Özden Ören Secondary School on 08.04.2019

20 students at Sadettin Türkün Secondary School on 09.04.2019



Figure 1. Pictures taken during the trainings

Training Given to Karacabey Vocational and Technical Anatolian High School Students

In November 2017, 22 students were invited to the project field within the framework of the program organized with the Department of Electrical and Electronics Technology of Karacabey Vocational and Technical Anatolian High School. The thematic coverage of the training included the following items:

- Working principles of turbines,
- Electricity generation,
- Explanatory information about cubicles, panels and kiosks and modular cells



Figure 2. Pictures taken during the Plant visit