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## PROJECT DESCRIPTION

The Edincik Wind Power Plant (WPP) is planned to be constructed approximately 13 km west of Bandırma District on the southern shore of Turkey's Sea of Marmara.

The Edincik WPP will consist of 12x2.5 MW wind turbines at a capacity to produce 95 GWh/year of electricity based on a probability level of 75%, including the losses.

## CARBON FINANCE

Edincik Wind Power Plant (WPP) project is being planned as a Gold Standard GHG emission reduction project and the project is currently in process of carbon certification

## ENVIRONMENTAL AND SOCIAL KEY ISSUES

- 🌀 Landscape Impact Assessment
- 🌀 Land acquisition;
- 🌀 Noise;
- 🌀 Need for the evidence of Final Expropriation Permits for military owned lands obtained
- 🌀 Bird Species
- 🌀 Potential pollution/contaminant emissions during construction
- 🌀 Community/workers health and safety both during construction and operation phases;
- 🌀 Stakeholder Engagement

## MITIGATIONS/SUCCESSFUL IMPLEMENTATION

- 🌀 Photo-impact simulation required to allow an adequate level of awareness of stakeholders on visual impact,
- 🌀 In case of land acquisition from private owners a mutual agreement procedure should always be preferred
- 🌀 Noise monitoring campaign is expected during operation to assure a noise acceptable level
- 🌀 Seasonal bird migration monitoring to control the adverse impact of the plant on bird species,
- 🌀 Supervision of construction activities by environmental, health and safety experts,
- 🌀 Study, identification and implementation of mitigation measures to minimize community/workers health and safety
- 🌀 Stakeholder Engagement Plan implementation to involve and inform the stakeholders

## GENERAL INFORMATION

<b>Project Location</b>	Bandırma District, Balıkesir Province
<b>Technology</b>	Wind Power Plant
<b>Plant Capacity</b>	30 MWm
<b>Annual Energy Production</b>	95 GWh/year
<b>Annual CO<sub>2</sub> Reduction</b>	57,950 tCO <sub>2</sub> /year

## TIME SCHEDULE

<b>Start of Construction</b>	September 2012
<b>Expected Commercial Operation</b>	September 2013

## FINANCIAL PARAMETERS

<b>Total Project Cost</b>	EUR 43,067,554
<b>MidSEFF Loan</b>	EUR 10,000,000
<b>Payback Time</b>	6.3 years
<b>Internal Rate of Return</b>	14.98%