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Wind energy

Bandirma, Turkey



The project consists of five wind turbines with a capacity of 15 MW. Akerji Elektrik Uretim A.S., a Turkish company specialized in hydro and wind energy, is operating the project. Since September 2009, the 80 Meter high wind turbines by Vestas are producing electricity from a renewable source and contribute exploring the existing potential of wind energy in Turkey.

The majority of the Turkish electricity is produced by fossil fuels. With an expected 51 GWh each year, the project leads to annual CO₂-reductions of more than 30,000 tons.

The project site is used as grassland for grazing activities by the local community. An evaluation of the project by the Ministry of Environment and Forestry has concluded that the project does not have any significant environmental effect. According to the rules of the Gold Standard there is a regular monitoring of the project activity.

Additional sustainable benefits of the project

- » Emissions of SO₂ and NO_x will be reduced compared to baseline in parallel to CO₂ due to avoiding fossil fuel combustion
- » Contribution to regional economic development by creating jobs
- » Development of the Wind power industry in Turkey to meet increasing electricity demand
- » Transfer of technology and know-how
- » Reduction of import dependency on fossil fuel weighed electricity sector

Verification:

Type:

Total volume:

Bureau Veritas Certification Holding SAS

Gold Standard VER, Nr. 634

216,981 tons CO₂-equivalents

This Turkish project includes five wind energy plants nearby the city of Bandirma, in the Balıkesir province in the populous Marmara region.

