


WIND POWER PLANT, TURKEY



PROJECT TYPE:	RENEWABLE ENERGY
PROJECT NAME:	Usak Wind Power Project
REGION:	The Usak Wind Power Plant is a wind farm located nearby Banaz town in Usak Province, Turkey
PROJECT DESCRIPTION:	<p>This project is a large scale wind farm is designed to convert the potential energy of the wind into electricity by means of 36 wind turbines of 1.5 MW capacity each generating 54MW.</p> <p>The type of the project activity fits in the 'Renewable Energy Supply' category and this category is defined as "Generation and Delivery of Energy Services" from "non-fossil" and "non-depletable" energy sources. The produced electricity will be stored in a sub-station which will then be connected to the Turkish National Grid.</p>

	<p>In the absence of this project, electricity will have been generated by the national grid which is electricity deficient. This project will be avoiding fossil fuel fired power plants and the dependency on imported resources like natural gas and oil.</p> <p>The project contributes to sustainable development by lowering air pollution and energy costs, and promoting clean energy production.</p> <p>There is no consumption of any fossil fuel and hence no greenhouse gas emissions.</p>
FURTHER INFORMATION:	<p><i>Environmental</i></p> <p>This project conforms to 'doing no harm'. This has been verified in a report dated June 2020. During the build, all necessary precautions were taken for the minimization of dust, discharge of wastewater in accordance with:</p> <ul style="list-style-type: none"> • Water Pollution Control regulations, • collection of waste oil Hazardous Waste Control Regulations and Waste Oil Control Regulations, and • Disposal of waste to landfill site in coordination with Usak Municipality. <p>Recording of dead bats and birds has also been undertaken and to date of the verification (ie over six years) no such accident has occurred.</p> <p><i>Social</i></p> <p>Local stakeholder engagement was undertaken before the start of the project and notification was made by local newspaper and public notice to village heads of nearby settlements, NGO"s, relevant governmental institutions with details of venue and time of meeting. All questions and comments raised were taken into consideration (as per Gold Standard certification requirements as this project was originally dual listed with Gold Standard and Verra).</p> <p>Additionally, there is a "communication box" in every settlement within the vicinity of the project and a continuous grievance policy is implemented by the project owner. Further, local stakeholders can access the Usak Site manager via phone. There have been no complaints about or demands from the project.</p>
STANDARD:	<p>Verra -Verified Carbon Standard</p> 
VINTAGE:	2015
CREDITING PERIOD:	10 years
EMISSION REDUCTIONS:	The project has generated 645,989.2 MWh of net electricity since its inception thereby avoiding 374,572 tonnes of CO ₂ e.

Satellite image of project location in Turkey

