

Ningxia Xiangshan Wind Farm Project, China

Renewable Energy Project



The Project

The Ningxia Xiangshan Wind Farm Project is a renewable energy project located in Zhongwei City, Ningxia Hui Autonomous Region, China. The project comprises 265 wind turbines with a total installed capacity of 397.5 MW, generating renewable electricity for the Northwest Power Grid via the Ningxia Power Grid.

By harnessing the region's wind resources, the project supplies approximately 950,000 MWh of renewable electricity annually, replacing electricity that would otherwise be generated by predominantly fossil fuel-based power plants. This reduces greenhouse gas emissions while supporting China's transition towards a more diverse and renewable energy supply.



Why This Project Matters

Climate Action: The project reduces approximately 728,000 t CO₂-e annually by replacing fossil fuel-based electricity with renewable wind energy.

Clean Energy: With 397.5 MW of installed renewable energy capacity, the project increases the supply of wind-generated electricity to the Northwest Power Grid and contributes to diversification of the regional energy mix.

Local Employment: The project supports employment and economic opportunities in the region, including approximately 200 jobs during construction and 200 operational positions.

Regional Development: Road infrastructure developed in connection with the wind farm has improved access between the Xiangshan mountain area and surrounding cities, helping local farmers transport agricultural and other products to market.

Additionally, the project supports regional economic development while reducing emissions of CO₂ and other pollutants associated with conventional fossil fuel-fired electricity generation.

PROJECT KEY FACTS

Type	Renewable Energy – Wind
Location	Zhongwei City, Ningxia Hui Autonomous Region, China
Project emissions reduction	728,000 t CO ₂ -e (10-year period)
Standard	Verra – Verified Carbon Standard (VCS)
Vintage	2019