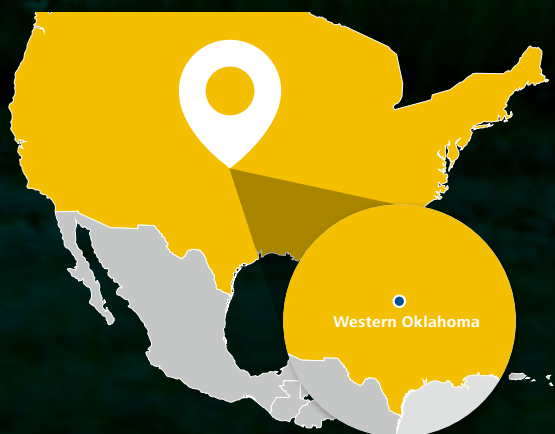


DEMPSEY RIDGE WIND PROJECT UNITED STATES

**Harnessing clean wind power for
a sustainable future**



The Dempsey Ridge 132 MW wind power project consists of 66 wind turbines on approximately 7,500 acres of agricultural and grazing land in Oklahoma. The project aims to generate electricity from renewable sources and thus displace electricity that otherwise would have been procured from the burning of fossil fuels.

The Context

Oklahoma is a traditionally rural region where agriculture and mineral resource extraction are the principal economic pursuits. Introducing sustainable infrastructure to this area not only provides an energy supplement to the region, but encourages a switch to more sustainable economies by making renewable infrastructures more viable.

The Project

The Dempsey Ridge project activity is a zero emissions, grid-connected, electricity generation sourced from wind energy with each turbine having a capacity of 2 MW. The facility delivers power into the Southwest Power Pool (SPP) Regional Transmission Organization (RTO). The electricity generated by the project displaces electricity generated from existing fossil fuel plants in the Southwest region.

The Benefits

The electricity delivered to the grid by the project would have otherwise been generated by the operation of the largely non-renewable power plants. With the consistent supply of clean energy from this project, the project furthers the renewable energy market in the region as well as in the USA. Beyond the environmental benefits of displacing fossil fuel emissions from the atmosphere, the project has boosted economies by providing temporary and permanent jobs to local workers during project construction and operations.

Promoting sustainable resources by providing a clean energy alternative to the Southwest electricity grid.



**483,206
MWh/year**

of clean energy capacity provided to the regional grid, promoting the renewable energy industry in USA



**185
jobs**

created during project construction and 13 permanent skilled jobs are ongoing, boosting local economies



**46,000
homes**

in Oklahoma and surrounding states are now powered with renewable energy from the project



**312,658
tCO₂e**

reduced on average annually by providing an alternative energy source to the burning of fossil fuels

For more information on the UN Sustainable Development Goals, please visit: <http://www.un.org/sustainabledevelopment/sustainable-development-goals/>

Official name: Dempsey Ridge Wind Project | **UNFCCC/markit/VCS link:** http://www.vcsprojectdatabase.org/#/project_details/780 | **UNFCCC/markit/VCS ID:** 780

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