



PANTEX WIND FARM

Pantex Wind Farm

In 2013, a ground-breaking ceremony was conducted at Pantex for its new Wind Farm, the Pantex Renewable Energy Project, or PREP, which is a template for other federal facilities. The federal government has moved in recent years to increase its reliance on clean energy and has prioritized energy efficiency. The Pantex Wind Farm is the pilot project for all federal sites to utilize renewable energy.

Production for the PREP went on-line in April 2014, with the five turbines located on 1500 acres adjacent to the DOE's property adjacent to the Plant. The project generated more than 60 percent of the annual electricity need for Pantex, topping out at more than 43,000,000 kWh.

In addition to providing electricity for Pantex operations, PREP serves as the keystone for innovation within the wind energy sector. The turbines stand more than 400 feet tall and in the private sector, generate enough electricity to meet the consumption needs of 3,500 homes. That generation also has an enormous impact on Pantex's carbon footprint; equal to removing 7,200 cars from the nation's roads or planting 850,000 trees, not to mention a cost savings to the plant of more than \$2.8 million each year.

The U.S. Geological Survey, maintains the U.S. Wind Turbine Database, which contains data from almost 70,000 wind generation in 43 states plus Puerto Rico and Guam.

Since its launch in 2018, the dataset has been viewed more than 4.5 million times and continues to serve as the authoritative data source on wind energy deployment for agencies evaluating the impacts of wind development. The database, including the Pantex turbines, can be found here- <https://eerscmap.usgs.gov/uswtodb/>

Wind Farm Fast Facts

43,000,000 kWh energy generated
Enough power for 3,500 households
More than 60 percent of the electrical need of the Pantex Plant

Reduction of Pantex's Carbon Footprint equal to:
7,200 cars taken off the road
Planting 850,000 trees
35,000 metric tons of CO2 emissions



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