

Oklahoma Municipal Power Authority



Oklahoma Wind Energy Center

Quick Facts



*First Commercial  
Wind Project  
in Oklahoma  
September 26, 2003*

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**Location of facility:** 13 miles north and 4 miles east of Woodward, Oklahoma  
**Visible from:** State Highway 34 on east side  
**Number of towers and turbines installed:** 34  
**Height of towers:** 210 feet  
**Length of turbine blades:** 110 feet  
**Maximum output per turbine:** 1.5 megawatts  
**Peak output for entire facility (gross):** 51 megawatts  
**Peak output for entire facility (net):** 50 megawatts  
**Ideal wind speed for energy production:** 8-55 MPH  
**Minimum wind needed for energy production:** about 8 MPH  
**Energy expected to be produced per year:** 170,000 megawatt hours  
**Emissions produced by turbines:** None  
**Water required for operation of turbines:** None  
**Solid waste produced by turbines:** None  
**Oklahoma's rank among states in wind energy potential:** 8th  
**Permanent jobs required to run entire facility:** 6  
**Number of acres needed for entire facility:** 1,200  
**Ownership of land used:** Private land



**Directions to the Oklahoma Wind Energy Center from Woodward:** In Woodward from 9th and Oklahoma (Intersection 412 and 270), go 8 miles north on Highway 34 to the blue and white Woodward Iodine sign (EW32) on the east side of the road. Turn right and go east 5 miles to NS208. Turn left and go north almost 2 miles to the wind farm office. OMPA has a kiosk at the center that provides information about the wind farm.

**The Value of Wind: OMPA's wind turbines produced 153,448 megawatt-hours during 2009, which provides enough power to serve 14,258 homes in Oklahoma.**

Operator of OMPA wind turbines is FPL Energy - nation's leader in wind generation



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