

# FAST FACTS

Approximately 80% of the turbine can be recycled.



The components for erection of the turbine arrived via 2 convoys. The first 21-semi convoy contained the pieces of the crane that had to be built to assemble the actual turbine. The second 9-semi convoy contained the pieces of the turbine itself.



## 138 MPH

The blades can reach speeds up to 138 mph. They pitch inward or outward to harvest as much wind energy as possible.

The ladder inside the turbine is attached by powerful magnets.



It would take 11 school buses stacked end-to-end to measure up to the 390 foot turbine. The nacelle is the size of a mini school bus.



## 100+ MPH

The tower and foundation are designed to withstand wind gusts of 100+ mph and the turbine is fully grounded to provide lightning protection.

In the first three months of operation, the turbine produced 516,300 kWh of electricity.



Original ice throw distance was 200 meters, but was modified to 213 meters.



## 135 FT

The blades are 135 feet long and are made of fiberglass, epoxy and carbon fiber. Though hollow, the blades, in conjunction with the hub, weigh 43 tons.

## 1st EVER

Pressure sensors were installed beneath the foundation and strain sensors were attached to the base of the turbine for a first-ever study of wind turbine stress being conducted by University of Wisconsin engineers.

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