

# Moorhead

In 1998, Moorhead Public Service, located 250 miles northwest of Minneapolis, became one of the progressive municipal utilities in the country. With 12,500 accounts in its service area, the electric and water municipality decided to incorporate the benefits of wind power generation in its portfolio. Customers' response to the initiative was very positive and quick. Within 3 weeks of introduction, the green power program, "Capture The Wind™", was oversubscribed. By May 1999 the landmark project for the city of Moorhead was on-line.

The single WTG is sited in the city parameters for easy access and visibility of the local community. The 5-year extended warranty and 5-year service and maintenance contract provided by NEG Micon USA guarantees that Moorhead Public Service can enjoy trouble free wind power generated electricity on its grid.

The arctic model Multipower WTG ensures maximum generation reliability in the harsh weather regime, where temperatures range from -35 to 110 degrees Fahrenheit.

**Project Name & Location:** Moorhead  
Clay County, Minnesota

**Project Size:** 0.75 MW

**Project Owner/s:** Moorhead Public Service

**Project Developer/s:** Moorhead Public Service

**Scope of Supply:** 1 Multipower 48 WTG  
Arctic Version  
Hub Height 55 m (180 ft)  
Blade Length 23.5 m (77 ft)  
Installation Supervision  
Testing & Commissioning  
Turnkey project  
5-year Extended Warranty  
5-year Service and  
Maintenance Contract

**Mean Wind Speed:** 6.45 m/sec (14.2 mph)

**Project Start Date:** September 1998

**Project Complete:** May 1999

*Additional information about the project can be found at Moorhead Public Service's web-site: [www.mps.rrnet.com](http://www.mps.rrnet.com)*



*NEG Micon's engineers supervise the installation of all projects*



*The rotor and hub system weighs 30,800 lbs*



**NEG MICON®**  
*Powerful Simplicity*