

Case Study

Location: Madison, WI

Industry: Commercial & Office

Scope: Electrical, Underground Utilities

Contract Amount: \$25,000



Electrical control panel at base of wind turbine

Owner: Werner Electric Supply

General Contractor: Grunau Company

Owner's Rep: Matt Giovanelli

Delivery Method: Design Build

Contract Type: Fixed Price

Website: www.grunau.com

Werner, Madison Wind Turbine

Werner Electric Supply teamed up with Renewegy and Grunau Company for a wind turbine to help power their Madison headquarters. Werner wanted to display its passion for green, renewable energy and since they are a wholesaler that sells wind turbines as part of their electrical stock, they wanted to “practice what they preach”.

Grunau was proud and enthusiastic to be a part of this, our first, wind turbine project, and with our various trade capabilities, could provide a whole package deal. Grunau provided all the electrical work, assembly and installation of the turbine and concrete foundation, plus the associated trenching for site utilities which included removing several large boulders.

The crew's first step was to relocate a parking lot light pole that interfered with the median space for the new wind turbine. The next step was the excavation and pouring of the foundation by Grunau's underground utilities team. This process included rebar support and placing the embedded ring, bolts and nuts exactly where they needed to be within the concrete to hold the turbine base. The concrete was then allowed to cure for one month.

After Renewegy manufactured the wind turbine & pre-trained Grunau's installation crew, Grunau trucked the various components of the 100-foot tower, turbine head and the “rise kit” from Renewegy's Oshkosh plant to Madison. The “rise kit” consisted of all the hand tools, straps, hauling equipment, both of the hydraulic ram systems, and other miscellaneous parts and pieces required for the complete assembly and erection of the turbine. For Grunau's electrical team, the process of putting the turbine together and the final tip-up was, figuratively, a breeze.



Erecting the assembled wind turbine & tower