



Rob Manning Installs Two E3120's on His Hog Farms to Lower and Stabilize Energy Costs



KEY HIGHLIGHTS

- Rob Manning operates two hogs farms in Iowa, where he enjoys reduced, stabilized energy costs due to his Endurance wind turbines
- Hog Farmers are large energy consumers because they need to regulate the temperature of their large housing units
- Rob Manning "I would do it all over again if I built another hog farm!"

In any business, let alone farming, a constant battle is waged to reduce fixed costs. Utility costs, specifically, have never been known to decrease; instead, climb forever upward. Next to feed, utilities are the farmer's highest cost.

When he began hog farming four years ago, Rob Manning's business consisted of two facilities, located in the towns of Linden and Dawson in Iowa. Each housed 7,200 hogs. Both facilities are required to maintain a moderate temperature that must be regulated year round so that the hogs can be kept warm during cold months and sheltered from high temperatures in order to prevent death from heat stress in summer months. These controlled temperatures help maximize the growth of the hogs; however they result in high electricity costs.

Rob's interest in wind turbines was kindled when he was contacted by



Don Van Howling, local owner of the Van Wall Group, which has as one of its divisions, Van Wall Energy. The Van Wall Group is the Midwest's leading supplier of sales and aftermarket support for agriculture, construction, and home equipment. Rob had been a customer of Don's for over 15 years, making Van Wall the main supplier for all his farming equipment needs. Van Wall had recently introduced the Endurance wind turbines through Van Wall Energy, and recommended these independent energy producers to help Rob offset his high energy costs. Aside from the reduction of energy costs, Rob also appreciated the turbines' ability to provide a measure of predictability and the stabilization of future energy costs in the face of ever-increasing utility prices.

Due to the amount of electricity

consumed at Rob's sites, the most appropriate turbine for his applications was the Endurance E3120 50 kW. Jake West, the Wind Specialist from Van Wall Equipment, assisted Rob with everything from site assessment and financing for the project, through to the installation and maintenance of the wind turbines. Upon full completion of the installation, and connection to the utility grid, the turbines were commissioned in December 2010.

"Both wind turbines are working extremely well. They have been producing electricity for over a year, and their performance has been extremely promising. I am happy to say that my electric company is now paying me for the electricity that my wind turbines are producing! Thank you for developing such a wonderful product and for all of your support

in getting the process completed. I would certainly encourage other hog owners to consider using this product to lock up their energy costs."

While both turbines are running effectively and providing energy savings, the unit in the Town of Dawson leads the way in energy generation, attaining record production figures twice in October - a daily production total of 1,970 kWh, and a monthly production total of 22,742 kWh. Combined, the two E3120's have produced over 340,000kWh's in the first year of operation.

"I would do it all over again if I built another hog farm!" says Rob, expressing resounding confidence in the E3120 50 kW wind turbines, two undeniable examples of green energy in action on his properties.