

PENNSYLVANIA FARM SHOW COMPLEX & EXPO CENTER WIND TURBINE INFORMATION

The wind turbine located outside the Exposition Hall is the SKYSTREAM 3.7 Residential Model manufactured by Southwest Windpower, Inc. of Flagstaff, AZ. Their phone number is 928-779-9463.

Rated at 1.8 KW (kilowatts), this turbine converts wind energy into inexpensive electricity. It is designed for use on homes, small businesses and farms, quietly producing energy without harming the environment.

The tower stands approx. 35 feet tall, is 2 feet in diameter at its base, and extends 12 feet below finished grade.

The diameter of the rotor is 12 feet, and spins clock-wise looking into the wind.

The unit weighs approx. 170lbs.

The unit will start producing power in an 8 mph breeze, producing 1,800 watts in 20 mph wind. A building's electrical system uses the wind energy first, drawing additional energy from the utility when needed.

All of the power produced by our turbine is used in the Complex.

According to a report from the U.S. Department of Energy dated 2001, the average household value of electricity consumption in the Mid-Atlantic region was 7,799 kWh. Based on this information, this turbine could have produced approx. 45% of the average annual consumption for one household.

Though home-based generation requires the right location and an initial investment, the payoff is years of clean energy, reliably produced at a set price. Renewable energy sources and clean-burning fuels improve the environment, bolster energy security, and create jobs and prosperity here in Pennsylvania.