

# WIND TURBINE WORKSHOP

BUILD YOUR OWN WIND  
TURBINE FROM  
SCRATCH

MARCH 19 TO 24, 2018

SAXAPAHAW

Visiting Instructor  
**Dan Bartmann**

Cost \$800  
Includes Dan's book  
*Homebrew Wind Power*



In this six-day hands-on workshop, you will learn how to make a relatively quiet and durable wind turbine from scratch. You will develop knowledge and skills in basic electricity, wood working, metal working, resin casting, and a variety of other skills. During this workshop you will complete at least one 13' diameter wind turbine and work towards the completion of an additional turbine, if time permits. We will install a turbine on an existing tower. These turbines are designed for battery-charging systems. The design is similar to and inspired by the work of Hugh Piggott.

Attendees will fabricate the 3-phase axial flux alternators, wooden blades, and metal frame for the turbines from scratch. This is an ambitious workshop so expect to stay busy! The Handy Village Institute may offer wind turbines made during the workshop for sale to workshop participants.

Who should attend? Farmers, engineers, students and educators interested in:

- Building your own wind turbines
- Working in the wind energy field
- Learning about wind turbine design and construction
- Understanding distributed wind energy technology



Early-bird & local discounts, and limited scholarships available – register online and learn more about this workshop at <http://handyvillage.com> and find us on Facebook at <https://www.facebook.com/handyvillageinstitute/>

*Please join us for an informal presentation on Wind Power in NC @ The Eddy Pub, 1/30/18, 6 pm*