

Contract No. R002-005
“Small Wind Turbine Training Center”

Submitted by Energy & Environmental Research Center
Principal Investigator: Bradley G. Stevens, P.E.

PARTICIPANTS

Sponsor	Cost Share
Energy & Environmental Research Center Utilizing U.S. Department of Energy (DOE)	\$ 50,000
North Dakota Industrial Commission	<u>\$ 50,000</u>
Total Project Cost	\$100,000

Project Schedule – 12 months	Project Deliverables:
Contract Date – November 7, 2008	Status Report: March 31, 2009 v
Start Date – July 1, 2008	Status Report: June 30, 2009 v
Completion Date – December 31, 2009	Status Report – September 30, 2009
	Final Report– December 31, 2009

OBJECTIVE/STATEMENT OF WORK:

This project, utilizing the Energy & Environmental Research Center (EERC) Plains Organization for Wind Energy Resources® (POWER®) as part of an existing U.S. Department of Energy award, will expand the scope of activities related to developing a small wind turbine training center. The small wind turbine training center will consist of up to two small wind turbines less than 20 kW in size. Once constructed, the facility would provide educational opportunities to a wide range of participants including grade school- through college-level students and the general public. The EERC has agreed that qualified staff will be provided to lead facilitated discussions for groups wishing to tour the site for a minimum period of two years following the commencement of turbine operation. In addition, the facility will allow the EERC to provide technical training workshops related to the installation, operation, and maintenance of small wind turbines. The Commission conditioned the commitment of funds to this project upon the EERC agreeing to provide at least three planned technical workshops or educational events during the contract period.

STATUS

A status report for the two quarters October 1, 2008 – March 31, 2009 was received in May, 2009. The report shows that EERC is (i) continuing its efforts to finalize the Engineering and Construction Plan document for submission to the City of Grand Forks; (ii) updating price

quotes from Endurance Wind Power, Inc., and (iii) compiling mailing lists for individuals interested in attending workshops.

A status report for the quarter ending June 30, 2009 was received in August, 2009. The report shows that EERC is (i) continuing its efforts to finalize the Engineering and Construction Plan document for submission to the City of Grand Forks; (ii) has submitted a purchase order to Endurance for the procurement of one S-250 wind turbine and (iii) EERC continues to plan its educational and technical workshops.

8/17/09