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January 4, 2010

Dr. Jerry L. Hudgins
Associate Director, Nebraska Center for Energy Sciences Research
Chairperson and Professor, Department of Electrical Engineering
209N Scott Engineering Center
Lincoln, NE 68588-0511

Dear Dr. Hudgins:

I am writing to express support for the Mega-Turbine Research project at the University of Nebraska – Lincoln to move Nebraska renewable wind energy generation to the next level of efficiency, reliability, and economic viability.

As an industrial manufacturer in Nebraska, we are always looking for new products and new markets. Renewable energy is a growing market and one that requires innovation and technical expertise to be competitive. We welcome the opportunity to work with the faculty at UNL and to learn from the expertise they develop through this project.

The Mega-Turbine Research project will help Nebraska develop a unique "niche" in wind power expertise, which will increase the likelihood of investment in Nebraska by industry and federal research agencies. The project will also help Nebraska's public electrical utilities to meet their goals for renewable, zero-carbon electrical generation. Finally, the Mega-Turbine Research project meets the needs identified by the U.S. Department of Energy to increase electricity generation from wind turbines by using turbines at greater heights where the wind is 60% more available than at lower heights; to improve the materials used for wind turbines; and to improve the reliability of wind turbines through improved power electronics.

We have worked with faculty who are a part of the Nebraska Center for Energy Sciences Research at UNL. These UNL faculty will make the Mega-Turbine Research project highly successful because of their unique expertise in electric machine design, advanced materials design and development, power electronics, diagnostics and control of electro-mechanical systems, and support structure design.

If you have any questions about our interest in this project, please contact me by phone or e-mail.
Sincerely,

Wallace Davis
President & CEO
Dempster Industries LLC
Beatrice, NE 68310
(810)240-8542 (Cell)
wdavis@dempsterllc.com