

CONTRACTOR REPORT

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**FINAL PROJECT REPORT:
HIGH ENERGY ROTOR DEVELOPMENT,
TEST AND EVALUATION**

by

FLOWIND CORPORATION
990 A Street, Suite 300
San Rafael, CA 94901

ABSTRACT

Under the auspices of the "Government/Industry Wind Technology Applications Project" ["Letter of Interest" (LOI) Number RC-1-1 1101], FloWind Corp. has successfully developed, tested, and delivered a high-energy rotor upgrade candidate for their 19-meter Vertical Axis Wind Turbine. The project included the demonstration of the innovative extended height-to-diameter ratio concept, the development of a continuous-span singlepiece composite blade, the demonstration of a continuous blade manufacturing technique, the utilization of the Sandia National Laboratories developed SNLA2150 natural laminar flow airfoil and the reuse of existing wind turbine and wind power plant infrastructure.

Prepared by
Sandia National Laboratories
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