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PAX Streamline Awarded \$3M for Wind Turbine Development

October 26, 2009, Novato, California—Today, in the first round of [ARPA-E grants](#), the US Department of Energy awarded PAX Streamline \$3 million for its work on high-efficiency wind turbine blades. The grant will fund PAX's work with Georgia Technical Research Institute on circulation control ("blown wing") solutions for wind turbine blades. Blown wing technology has the potential to simplify both the manufacture and operation of wind turbines. Blown wing blades can be manufactured at a fraction of the cost; once installed, the blade can be dynamically adjusted to maximize the power obtained under a wide range of wind conditions.

"This is a significant validation of our established turbine R&D," stated PAX CEO John Webley. He continued, "With this grant, we can rapidly accelerate our research program and, within the next two years, deploy a prototype wind turbine which demonstrates our game-changing technology."

Funded under the 2009 stimulus package, ARPA-E (Advanced Research Projects Agency-Energy) focuses on "transformational technologies" that reduce oil dependency or improve energy efficiency. A team of scientists considered 3,600 preliminary proposals across a spectrum of green technologies, then invited 300 of those teams to submit proposals. Today's awards—a total of \$151 million for 37 projects—went to both well-established companies such as General Motors and innovative startups like PAX.

"In addition to the actual funds, this grant gives companies like PAX access to a wealth of support for technology development," stated Peter Fiske, Vice President of Business Development. "The DOE's commitment to cleantech solutions includes IP and technical data strategies, and financial guidance in managing risk."

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PAX Scientific is an industrial design firm that employs a fundamental scientific discovery, called the PAX Streamlining Principle, to translate natural flow efficiencies into streamlined geometries. The company then uses these geometries to create designs that significantly improve the performance, output, and energy efficiency of a wide range of industrial and domestic equipment. PAX Streamline's latest offering is the high-efficiency air conditioning solution, Sonoma Cool.

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