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## Xtreme Power's Dynamic Power Resource Online at Kahuku Wind

*15 MW project with First Wind represents largest energy storage system integrated with a wind farm in North America*

OAHU, Hawaii--(BUSINESS WIRE)--Xtreme Power, developer and manufacturer of the Dynamic Power Resource™ (DPR™), large-scale energy storage and power systems, today celebrated the commissioning of a 15 MW system on First Wind's 30 MW Kahuku Wind project during a formal dedication ceremony on Oahu. The project marks Xtreme Power's largest commercial DPR currently in operation, and is the largest battery energy storage system integrated on a wind farm in North America.

Kahuku Wind Power is also the first renewable energy project to be completed under the Department of Energy's loan guarantee program, which supplied \$117 million for construction in July 2010.

Commissioning ceremony attendees included Hawaii State Governor Neil Abercrombie, three commissioners from the Hawaii State PUC, Hawaiian Electric Company executives, federal energy and environmental agency staff, and more than 100 dignitaries and guests.

At the Kahuku site on the North Shore of Oahu, the DPR digitally smoothes the wind farm's output to  $\pm 1$  MW per minute by rapidly absorbing or releasing power as needed so that Hawaiian Electric Company's (HECO) grid system and local customers are shielded from disturbances due to varying winds at the Kahuku Wind farm. The site is unique in its transmission challenges that required a storage solution in order to avoid costly transmission upgrades and project delays. Xtreme Power also designed the system with the ability to double its storage capabilities in the same square footage, should First Wind require additional capacity in the future.

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“The battery system is a critical component of our Kahuku Wind project, and we've been consistently pleased Xtreme Power's performance,” said Paul Gaynor, CEO of First Wind. “Xtreme Power's battery at Kahuku efficiently manages output from the variable island winds and allows us to maximize the use of power generated by our project.”

The Kahuku project is one of three collaborations between Xtreme Power and First Wind. Dynamic Power Resources are also operating on First Wind's Kaheawa Wind Power wind farm and will be integral to the Kaheawa Wind Power II wind farm, both on the Island of Maui.

"The scope of the Kahuku Wind Power project reinforces Xtreme Power as a leader in the supply of utility-scale energy storage and digital power management systems for the integration of variable energy resources onto stressed grids," said Carlos Coe, CEO of Xtreme Power. "We are excited to achieve commercial operation on a project of this significance, and we're grateful to collaborate with partners like HECO and First Wind who recognize the value our systems bring to both utilities and project developers."

### About Xtreme Power

Based in Kyle, Texas, Xtreme Power engineers, manufactures and operates large-scale digital power systems for use in renewable energy and micro-grid applications. Xtreme's Dynamic Power Resource™ combines the energy storage capabilities of the company's proprietary PowerCell™ technology with its micro-second controls and high-efficiency power electronics, creating a comprehensive solution to the intermittency and variability challenges facing utilities and independent power producers looking to implement clean energy to the electrical grid. By providing scalable systems engineered specifically to the needs of its customers, Xtreme Power offers a safe and cost-effective approach to dramatically increase the feasibility of renewable energy. Xtreme Power is backed by investors SAIL Venture Partners, Bessemer Venture Partners, The Dow Chemical Company, Fluor Corp., BP Alternative Energy, Dominion Resources, POSCO ICT, SkyLake & Co. and Spring Ventures, LLC.

Photos/Multimedia Gallery Available: <http://www.businesswire.com/cgi-bin/mmg.cgi?eid=6658327&lang=en>

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### Smart Multimedia Gallery



#### Photo

Xtreme Power's Dynamic Power Resource at First Wind's Kahuku Wind project on Oahu. (Photo: Business Wire)



#### Logo

