

Bourne Energy Breaks the Energy Barrier

Bourne Energy successfully field tests high energy density renewable energy device.

LOS ANGELES, CA, USA, September 12, 2014 /EINPresswire.com/ -- Bourne Energy Breaks the Energy Barrier

LOS ANGELES, CA. In July, Bourne Energy successfully field tested the latest version of its BackPack Power Plant (BPP) portable hydropower system in a shallow remote river in the Pacific Northwest. The unit performed flawlessly producing a steady 600W (12-24V). A zero-fuel power generator of this size (one cubic meter) producing 600 watts is a small but significant step forward in energy development for a [sustainable future](#). It will help renewable energy move past the low energy density, low capacity factor and high cost barriers that have slowed the growth of renewable energy for so long.

The BPP device brings locally sourced, energy dense and 24/7/365 electricity to applications never before considered for renewable power systems such as improving overall power efficiencies for fossil fuel plants and reducing power costs for biofuel production. On a larger scale, this technology has the potential to speed the pace of a number of important global trends. It can provide clean low cost electricity to many of the most remote regions of the world bringing with it the newest medical, sanitation, communication and education technologies. It can accelerate the adoption of electric vehicles by expanding the availability of green automotive recharging stations. It can help spread decentralized power systems across the globe. It can bring sustainable power options to onshore and offshore oil and gas operations and at the same time clean up the brackish water from NG drilling rigs and stripper wells. Equally important it can provide a new zero-fuel backup power source for nuclear plants, data centers, remote cell tower sites. It can bring power to strategic sites in almost any region placed under geopolitical energy distress.

This fall Bourne will field test its RiverStar WaterMaker which uses the hydro power in a polluted river to produce clean drinkable water. Bourne will also field test its RiverStar Solar-Hydro unit which combines solar and hydro power into one unit for aquaducts, rivers and canals in solar dense regions.

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