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ORPC's RivGen® Power System Demonstration Project a Major Success
Affordable, Locally Produced, Clean Energy for
Remote River Communities Moves Closer to Reality

Portland, Maine, September 24, 2014 - ORPC is pleased to announce it has concluded its highly successful RivGen® Power System demonstration project in the Kvichak River at the remote river village of Igiugig, Alaska, 275 miles southwest of Anchorage. ORPC's RivGen® Power System is a 25 kilowatt system designed to reduce and stabilize the cost of power in remote communities located near rivers and tidal estuaries that currently use diesel fuel for power generation.

"We are thrilled with the successful demonstration of the self-deployment and power generation features of our system and the lessons learned will be invaluable to us as we complete our commercial design of RivGen® next year," said ORPC President & CEO Chris Sauer. He added "We are indebted to our Alaska-based project team, the Village of Igiugig, and the local contractors whose professionalism, ingenuity and perseverance really paid off."

"With incredible teamwork and ingenuity, ORPC and Igiugig Village generated hydrokinetic power from the Kvichak River!" said AlexAnna Salmon, Igiugig Village President. "The Council is impressed that the RivGen® System was installed with local equipment, provided significant power for our micro-grid, and most importantly, coexisted with the fish habitat that the Kvichak River is so famous for. We are very thankful to everyone that has made this journey a success."

Other project highlights include: several successful deployments and retrievals using only the device's ballasting system, thereby proving the self-deploying/retrieval features of the RivGen® Power System; remote operation and adjustment of the system via network by ORPC engineers; delivery of the projected amount of power to the on-shore station; and comprehensive environmental monitoring of the device that showed that the operating power system had no known negative impacts on fish and other aquatic life.

ORPC hosted tours to the project site for a dozen or more state officials and representatives of Alaska Native Corporations and other business interests during the week of August 25. Guests toured Igiugig, viewed the RivGen® system in operation by boat, learned about the project's environmental monitoring protocols, and met with Dr. Brian Polagye of the University of Washington, who was on-site as part of a U.S. Dept. of Energy funded

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project to develop advanced control systems for marine hydrokinetic devices to improve performance of such devices in turbulent current conditions.

"Your RivGen[®] demonstration is very well conceived and executed, and a very impressive demonstration of power generation using natural forces," commented Igiugig tour participant and Group HI Managing Partner, Bill Arterburn. "Without doubt, there are many Alaska locations where similar deployments might make some sense."

"The excellent tour of your RivGen[®] project enlightened me to some of the challenges that are still ahead of us in bringing commercial products to market in Alaska. You are making excellent progress even with those challenges," said Wyn Menefee, Alaska Dept. of Natural Resources, Division of Mining, Land and Water Chief of Operations. "It is obvious that a tremendous amount of work went into making this demonstration successful. It was very positive to see how your company has worked with the community on this beneficial project.

The cost of electricity in Igiugig is nearly \$0.80/kWh (versus a national average of \$0.10/kWh) due to its reliance on diesel generation. This project was a crucial step forward in reducing the cost and environmental impacts from electricity generation in Igiugig and rural river communities around the globe. The RivGen[®] Power System Commercialization Project was partially funded by the Denali Commission and Alaska Energy Authority.

ORPC is one of very few companies in the world to take a hydrokinetic power system project from an idea to a successfully operating project delivering power. In 2012, ORPC made history by delivering power to the New England grid from the company's TidGen[®] Power System installed in Cobscook Bay, Maine. The Cobscook Bay project was the first commercial, grid-connected hydrokinetic tidal energy project to deliver power to a utility grid in North, Central or South America. With this unique experience, ORPC now offers strategic expertise and support to other river and ocean energy projects through its subsidiary, ORPC Solutions.

In Alaska, the company has invested over \$2.6 million since 2009 and has built a supply chain of over 50 partners and contractors throughout the state, including the University of Alaska at Fairbanks and Anchorage. Since 2007, ORPC has invested more than \$25 million into the Maine economy and created or retained more than 100 jobs statewide.

Established in 2004, ORPC is a privately-held world leader in river, tidal and deep-water ocean current power generation systems and projects. ORPC's hub at Eastport and Lubec, Maine, has become an internationally recognized center for river and tidal energy development. For more information, visit www.orpc.co.

For videos and still images of the RivGen[®] Project which may be used in media reports, see: www.dropbox.com/sh/1oob98ecdq2cwg/AADOI5DNi_a0hQjbd9ihl6KZa?dl=0