

ORPC's Modular RivGen® Power System harnesses energy generated from river currents to provide renewable electricity to existing infrastructure. Designed for lower-velocity sites, the Modular RivGen Power System can be adapted to ...

The modular RivGen device uses the proven cross-flow turbine technology of ORPC's commercially-available RivGen Power System, optimized for lower velocity sites and reduced cost. The product is being developed at ORPC's river test site in Millinocket, Maine with financial assistance from the Department of Energy's Water Power Technologies ...

The groundbreaking Igiugig Hydrokinetic Project, supported by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy Water Power Technologies Office (WPTO), is a collaboration between Igiugig Village and Ocean Renewable Power Corporation (ORPC), which deployed its RivGen® Power System, a submerged cross ...

In January 2023, ORPC deployed its new Modular RivGen® hydrokinetic power system in Maine's Millinocket Stream, followed by a second device in May 2023. These devices were deployed at One North, a renewable ...

ORPC Canada has launched its first hydrokinetic power system in Canada, the RivGen® Power System, to generate emission-free electricity from free-flowing rivers and tidal currents. Installed in partnership with the...

The RivGen® Power System generates predictable, emission-free electricity from free-flowing river and tidal currents, reducing diesel use and connecting directly into a community's existing grid using smart grid technology. Offering high ...

One company, Ocean Renewable Power Company (ORPC), has developed the RivGen Power System to harness run-of-river current power. The RivGen is integrated as part of a microgrid solution where the RivGen unit produces ...

ORPC Canada is launching its first hydrokinetic power system in Canada called the RivGen Power System. The system generates emission-free electricity from free-flowing rivers and tidal currents.

The Modular RivGen Power System is the next generation of ORPC's proven technology for use in grid-connected markets and optimized for lower velocity sites and reduced cost, with applications for large rivers, electrical vehicle charging networks, hydroelectric facilities, irrigation canals, bridges, piers, breakwaters and flood controls systems. . ORPC is testing and ...

RivGen® Power System ORPC, Inc. is in the business of improving people's lives and their environment through sustainable energy solutions. ORPC is one of just a few companies in the world to have built, operated and delivered power to shore from both a hydrokinetic tidal and river project. ORPC was the first marine

Develop & demonstrate the RivGen 3.0 power system, a modular system of turbine generator units (TGUs). The system is optimized for lower flows and for installation as standalone units or as integrated vertical or horizontal arrays. System demonstration will include the installation of a single TGU unit as well

Working in close partnership with the host indigenous community of Igiugig, ORPC has installed an energy storage system and smart grid controls, and with the addition of a second RivGen device in summer 2022, the fully operational RivGen power system will provide baseload power for the local microgrid and reduce the community's diesel use by ...

The Modular RivGen device uses the cross-flow turbine technology of ORPC's commercially-available RivGen Power System, optimized for lower velocity sites and reduced cost. The product is being developed at ORPC's river test site in Millinocket, Maine, with financial assistance from the Department of Energy's Water Power Technologies Office.

The RivGen Power System generates emission-free electricity from river currents which can significantly reduce diesel use and connects directly into existing grids using smart grid technology. ORPC's RivGen Power System project in ...

The RivGen device will generate clean, predictable, renewable power from the Kvichak River, and send it to the remote community's microgrid, offsetting its diesel fuel use by 50%. In June, ORPC started the RivGen device set up on the ground in Igiugig Village, Alaska.

The RivGen System harnesses clean, sustainable energy from free-flowing tidal and river currents. It will be trialed to power cathodic protection systems that safeguard the port's underwater assets. ORPC's RivGen Power System in Igiugig, Alaska, is the longest operating hydrokinetic project in the Americas, ORPC said.

Web: <https://www.gennergyps.co.za>