



Rivgen power system Poland

What is the RivGen power system?

Ocean Renewable Power Company The core component of the RivGen Power System is ORPC's proprietary and well proven turbine generator unit. The RivGen device has a low vertical profile allowing it to be more easily installed in shallower rivers and tidal estuaries than most competing systems.

Where is the RivGen power system located?

In 2014, ORPC built and operated its first RivGen Power System at the bottom of the Kvichak River to supply the remote Alaskan village of Igiugig (Igiugig Hydrokinetic Project). As ORPC updates the design of its RivGen product, it uses the Igiugig installation as a pilot site for furthering the development and testing of its flagship product [2].

What is ORPC's RivGen power system?

The system is designed to connect directly into a remote community's electrical grid. ORPC's RivGen Power System isn't new -- in fact, some versions of the system have been used to deliver electricity to the community of Igiugig, Alaska (pop.

What is a river energy power system?

ORPC is advancing river energy power system technology for global markets. ORPC's Modular RivGen Power System harnesses energy generated from river currents to provide renewable electricity to existing infrastructure.

Can RivGen power Igiugig?

Igiugig is being used as a test site for RivGen, and a revamped system installed in 2015 has been able to generate nearly a third of the small community's electricity needs, ORPC says. Unlike more traditional hydropower, RivGen's system doesn't dam a whole river, instead taking up a rectangular footprint underwater.

How big is ORPC RivGen power system?

ORPC RivGen Power System before submersion deployment. The device is 15.7 meters long, 14.3 meters wide, and 3.5 meters tall. Credit: ORPC Remote communities often rely on fossil fuels to produce their electricity. The climate change impacts of these generation systems are exacerbated by the transportation of fuel to the generation sites.

ORPC is advancing commercial development of three proprietary power systems (TidGen, RivGen, and OCGen), which all use our patented, core device, the turbine generator unit or TGU. In 2012, ORPC delivered the first power to the grid from our federally-licensed Cobscook Bay Tidal Energy Project utilizing our TidGen Power System, designed ...



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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 both utility-scale and distributed energy uses.

Ocean Renewable Power Company (ORPC, Inc.) is an American marine renewable energy company based in Portland, Maine. The company develops technologies which generate electricity from tidal, river, and ocean currents.

Ocean Renewable Power Company (ORPC) launched its RivGen Power System on Wednesday, an underwater turbine system that generates electricity from river currents.

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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 continuous baseload energy (40-80 kW) to a community.

ORPC's RivGen™ Power System generates electricity from river currents and connects directly into existing community grids using smart grid technology. The RivGen device is a horizontal cross-flow hydrokinetic turbine that consists of a proprietary Turbine Generator Unit (TGU) mounted on a chassis.

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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 collaboration with the Village of Igiugig, Alaska, features the longest operating marine energy project in all of ...



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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 renewable energy penetration on the grid, and a revolutionary baseload solution, ORPC power systems are ...

19 · ORPC is advancing commercial development of three proprietary power systems (TidGen®, RivGen® and OCGen®), which all use our patented, core device, the turbine ...

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