

Workforce Wednesday Briefing

Low-Carbon Small Business & Post-COVID Recovery



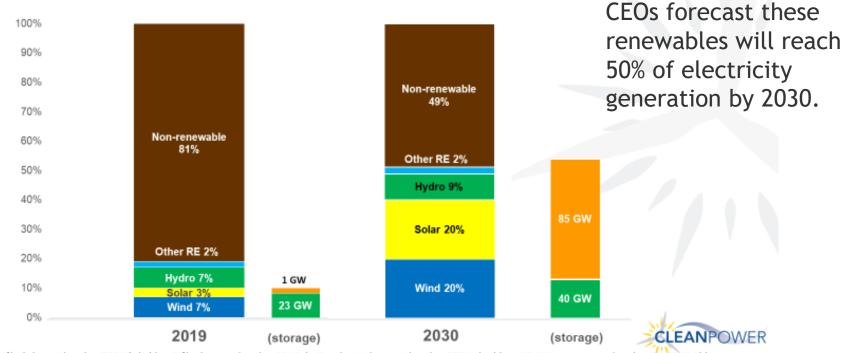


Stuart Davies, CEO

Improving people's lives, and their environment, through sustainable energy solutions

Growth in Renewable Energy

Majority Renewables by 2030



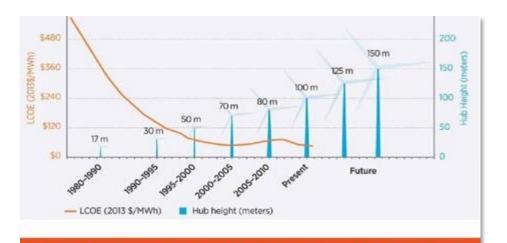
*20% wind target based on DOE Wind Vision; 20% solar target based on SEIA Solar Decade+; Hydro target based on DOE Hydrovision; 100 GW energy storage based on ESA 35x25 Vision.

The challenge for wind and solar is that they can't fully replace baseload power and are already forecasting massive growth in storage.



Wind, solar and

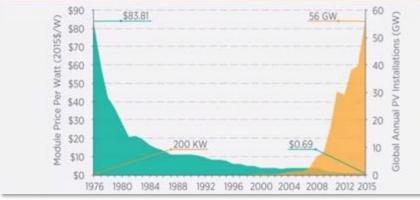
hydropower industries'



Cost Reductions

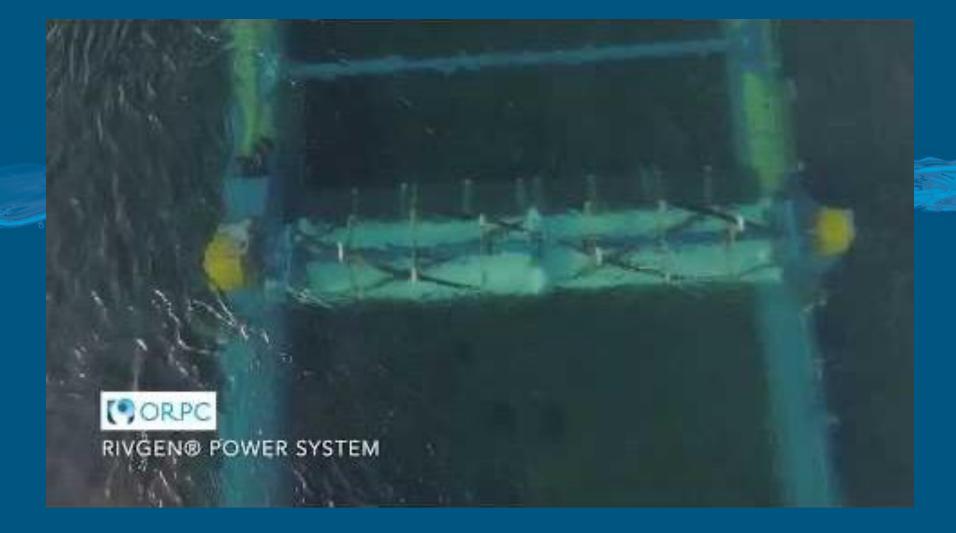
Like wind and solar, the costs of marine hydrokinetic (MHK) energy will reduce quickly.

AS SOLAR MODULE COSTS DECLINE, ANNUAL INSTALLATIONS RISE







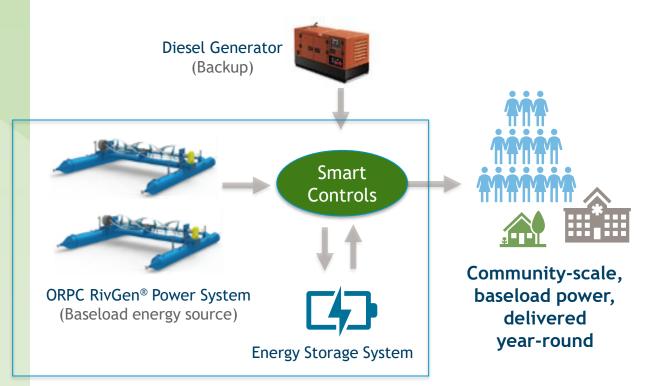


https://youtu.be/BgNXgPpK2Co



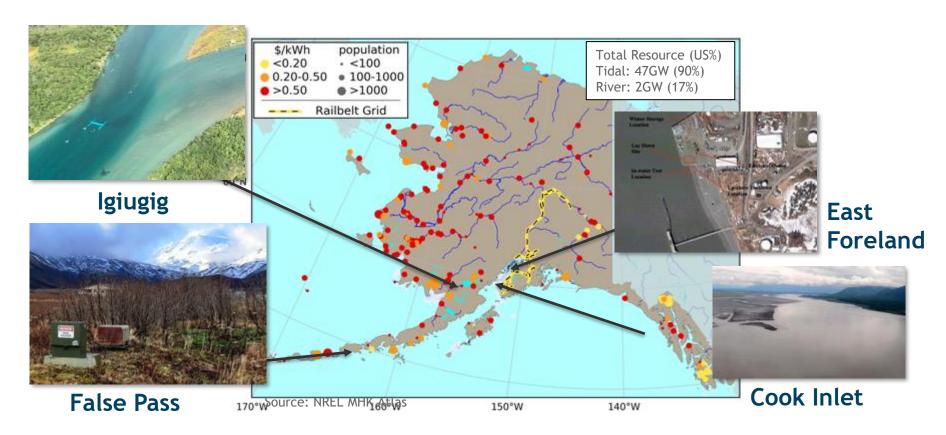
- A RivGen-powered smart microgrid can relegate diesel generators to backup only.
- RivGen® provides constant, predictable power (baseload).
- Energy storage and smart controls, coupled with RivGen® baseload power, allow incorporation of intermittent sources like wind and solar.

The RivGen Power System provides baseload renewable energy from free-flowing rivers and tides.





USA/Alaska - Areas of Focus (2020)



ORPC is very active in Alaska and successful development of this industry will create good, middle-class jobs.

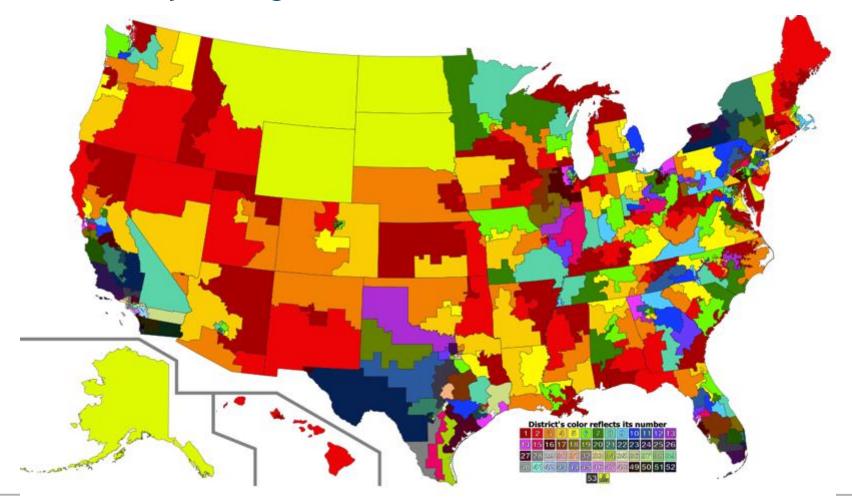


Many people imagine this when they think of the Lower 48.





And some of you might see this...





...and ORPC sees this.



The latest research suggests that the Lower 48 has enough river energy to power over 100 million people.



Potential for Hundreds of Thousands of Jobs

Remote Communities





U.S Marine Industry





U.S. Manufacturing





U.S Manufacturing and Marine Industry Can Scale Quickly



Major Export Opportunity for U.S. Manufacturing



Chile and Canada

- 500,000 people
- Paying more than \$0.40/kWh for power
- Located near robust tidal & river resources
- \$15 billion Market



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Worldwide

- 1.5 billion people
- Market Size250 billion





The EU Sees MHK's Job-Creating Potential

EU governments allocating €670 million from 2021 to 2025 to dominate ocean energy industry (similar to how they created jobs in wind industry).

EU 2050 Forecast



400,000 Jobs Created 100 GW 10% of EU Electricity

EU-recommended policies emphasize putting devices in the water to create supply chains and drive down manufacturing costs.

Source: European Technology & Innovation Platform: Strategic Research and Innovation Agenda for Ocean Energy May 2020



MHK Industry Needs Funding to Get Devices in Water & Create Jobs

Wind and solar received \$75 billion in subsidies over the past 10 years which helped create 500,000+ jobs.

Community Grants

Provide Direct Funding

Enable
Communities
to Buy & Test
Devices

Loan Funding/ Guarantees

Amend Title XVII

Create \$500M Basket for \$2M to \$10M Projects with Lower Approval Costs

Tax Incentives

Keep ITCs & Opportunity Zones

Keep Programs in Place & Treat MHK Same as Solar/Wind





Thank You!

Stuart Davies, CEO sdavies@orpc.co

