

Marine & Hydrokinetic (MHK) | Renewable Energy |

MHK FACTS

- MHK encompasses energy drawn from *waves, tides, currents* and the ocean's natural *thermal gradient*.
- Water is approximately 800 times more dense than air providing greater power density, and more accurate **PREDICTABILITY** than many other renewable energy sources.
- 70% of the Earth's surface is water-covered, and more than half of the U.S. population lives on the country's coasts.
- MHK energy is easily accessed from the nation's most densely populated areas – on major rivers and near coasts--minimizing the need to construct thousands of miles of new transmission lines.
- National ocean wave & in-stream tidal hydrokinetic energy resources could provide **TEN PERCENT** of present U.S. electricity consumption.
- The development of MHK supports the growth and diversification of domestic industrial, manufacturing and maritime sectors = **JOB CREATION**.
- MHK supports **ENERGY INDEPENDENCE** by utilizing an abundant domestic resource for electricity generation.
- A diversity of energy sources is the foundation of a reliable electrical system.

MHK NEEDS SUPPORT

- Fully fund DOE and Navy Water Power R&D programs for MHK technology development.
- Investment incentives -- Production Tax Credits and Accelerated Depreciation on par with other renewables.
- Accelerate the decision making process at the regulatory agencies to demonstrate and deploy technologies.
- Build U.S. MHK technology test centers.

MHK Technologies

Select Examples:



Ocean Power Technologies



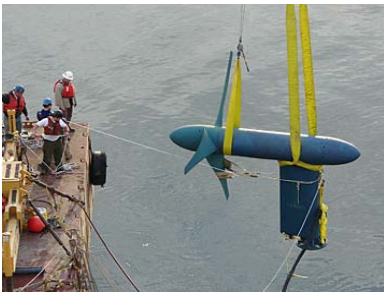
Wavebob



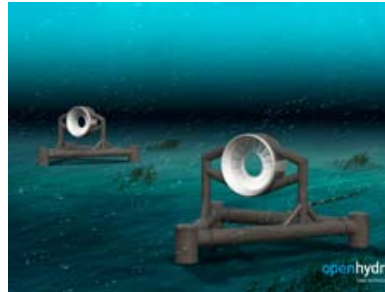
Aquamarine Power



Pelamis Wave Power



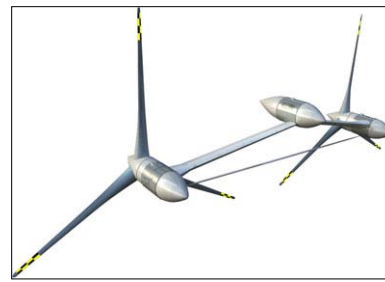
Verdant Power



OpenHydro Tidal Technology



Columbia Power Technologies



Ecomerit Technologies



Ocean Renewable Power Company

OREC Corporate Members

- Alden Research Laboratory, Inc.
- Aquamarine Power
- Battery Ventures
- Beveridge & Diamond
- Biosonics
- Central Lincoln People's Utility District
- Chadbourne & Park, LLP
- Chevron Technology Ventures
- Columbia Power Technologies
- Dresser Rand
- HDR/DTA
- Ecology & Environment, Inc.
- Ecomerit Technologies
- Florida Atlantic University
- Garrad Hassan
- Kleinschmidt
- Lockheed Martin Corporation
- Long Island Power Authority
- New England Marine Renewable Energy Center
- Marine Renewable Energy Laboratory
- University of Michigan
- Millbank Tweed Hadley & McCloy, LLP
- Natural Currents
- Ocean Power Technologies
- Open Hydro (Ireland)
- Ocean Renewable Power Company
- Ocean Wave Energy Company
- Oregon Iron Works
- Oregon State University
- Oregon Wave Energy Trust
- Pacific Gas & Electric Company
- Pelamis Wave Power Limited
- Puget Sound Energy
- Pierce Atwood, LLP
- Reluminati
- RenewableEnergyWorld.com
- Renewable Energy Composite Solutions
- Resolute Marine Energy, Inc.
- SAIC
- Scottish Development International
- Sea Mammal Research Unit Ltd.
- SMI, Inc.
- SML Consulting
- Snohomish Public Utility District
- Sound & Sea Technology, Inc.
- Southern Company
- The Stella Group
- Stoel Rives, LLP
- Tacoma Power
- Teledyne
- TRC Companies
- Turner Hunt Ocean Renewables, LLC
- University of Massachusetts-Dartmouth
- Van Ness Feldman
- Verdant Power
- Wavebob, Ltd.
- WaveStar Energy
- Yakutat Power

Strategic Partners

- Northwest Public Power Association
- RenewableEnergyWorld.com
- Scottish Development International

