

# Better Together



We connect **innovators** and **facilities**, opening doors for advances in marine energy.

**O**ne answer to tomorrow's energy challenges may lie just beyond the shore. **Marine energy**—energy derived from the motion of waves, tides and currents, as well as energy generated from temperature and salinity differences—has the potential to power our lives renewably. However, navigating the progression from idea to commercial viability, with testing and development challenges in between, represents a substantial barrier to the maturation and implementation of new marine technologies.

The Testing Expertise and Access for Marine Energy Research (TEAMER) program, sponsored by the U.S. Department of Energy's (DOE) [Water Power Technologies Office](#) and directed by the [Pacific Ocean Energy Trust \(POET\)](#), will accelerate the idea-to-market process by providing support for developers seeking access to the nation's best marine energy testing facilities and leading marine energy experts.

## Get to Know TEAMER

Over the next three years, TEAMER will distribute approximately \$13 million to support marine renewable energy (MRE) testing and development projects.

TEAMER bolsters a diverse set of research and development goals, including those related to grid-focused technology; [Powering the Blue Economy](#) applications such as marine power for ocean observations, remote communities and seawater desalination; and widely applicable research and development topics.



At Oregon State University's Hinsdale Wave Research Lab, a researcher works with a wave energy converter device in the wave basin. TEAMER is opening the doors to our nation's best marine energy testing facilities and the experts who work there. *Photo by Hinsdale Wave Research Lab*

TEAMER is built around three core concepts:

- **Access to testing infrastructure.** Provide device developers and researchers with access to a wide range of facilities at minimal cost, allowing for a much faster and more streamlined integration of physical testing and validation into the design process.
- **Access to world-class expertise.** Pair technology developers with the nation's leading marine energy experts, providing desktop assistance and access to modeling tools and support.
- **Consistent testing protocols.** Implement consistent testing protocols for use in the facility network, and create a repository of marine energy performance data that will serve the industry.

The program is designed to include a wide array of U.S. MRE and MRE-relevant testing facilities, including laboratory and small-scale facilities; wave and current tanks, basins, tunnels and flumes; and open ocean/field-based testing sites. TEAMER will also support requests for assistance with numerical modeling, simulation, data collection, analysis and other areas of technical expertise.

## Who Can Apply?

Open to applicants engaged in MRE research and development, TEAMER is geared toward projects that can be planned and completed within 12 months. Potential applicants may be part of industry, academia, nonprofit organizations, government, or other types of organizations, both domestic and international, although certain restrictions may apply to some federal or international applicants.

Although employees of DOE and DOE/NNSA FFRDCs are ineligible to apply to TEAMER, they can support the network by offering participants access to their facilities or expertise. Facilities interested in becoming a part of the TEAMER network are encouraged to visit the TEAMER website (<https://teamer-us.org>) and subscribe to the mailing list.

All TEAMER participants will be subject to a set of rules and regulations available on the TEAMER website.

## Application and Evaluation Process

Beginning in mid-2020, TEAMER will offer open calls for Requests for Technical Support (RFTS) every four to six months. Learn how to submit your RFTS application through the TEAMER [website](#) today.

All applications will be independently reviewed by experts to assess feasibility, impact and value. Applicants will have the option to request access to up to two facilities per RFTS application in order of preference.

Following RFTS evaluation and approval, selected applicants and facilities will be required to complete a detailed test plan using the TEAMER template. Please note that TEAMER funding will be distributed directly to the TEAMER network facilities to provide the requested support—not to the applicant requesting support.

# We're Making a SPLASH in MRE!

**Be the first to know why!** Find out the latest on the groundbreaking research coming out of TEAMER. Check out our website (<https://teamer-us.org>), subscribe to our mailing list, and follow us on social media:



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## Questions About TEAMER?

Please contact the TEAMER Network Director at [teamer@pacificoceanenergy.org](mailto:teamer@pacificoceanenergy.org)



# TEAMER

Testing & Expertise  
for Marine Energy