

## Notice of Intent No. DE-FOA-0001103

### Notice of Intent to Issue Funding Opportunity Announcement No. DE-FOA-0001098

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Wind & Water Power Technologies Office (WWPTO), a Funding Opportunity Announcement (FOA) entitled “Marine and Hydrokinetic (MHK) Research and Development University Consortium.”

The mission of the U.S. Department of Energy (DOE) Wind and Water Power Technologies Office’s Water Power Program (the Program) is to research, develop, and test innovative technologies capable of generating renewable, environmentally responsible, and cost-effective electricity from U.S. water resources. These include Marine and Hydrokinetic (MHK) technologies that harness the energy from waves and from tidal, river, and ocean currents.

Through a balanced portfolio approach, the Program makes strategic investments in the MHK subprogram, including transformational technology innovations that seek to maximize generation from water power resources and address key market deployment and environmental impact challenges, while compressing technology development timelines of MHK devices in order to reduce the 2011 Levelized Cost of Energy (LCOE) costs from 61 - 77 (cents per kilowatt hour) ¢/kWh (wave) and 47 - 53 ¢/kWh (tidal) to local hurdle rates of 12 - 15 ¢/kWh by 2030.

This anticipated FOA is to support a university consortium to leverage existing in-situ Research and Development (R&D) expertise to advance U.S. MHK technology, while developing intellectual capital for a globally-competitive workforce. The individual consortium-defined R&D activities pursued in the overall university consortium project will address strategic opportunities in DOE’s MHK technology development portfolio.

In applying, an eligible university consortium must demonstrate capabilities and expertise in R&D to fill strategic opportunities within the Program’s portfolio including:

- Logistics development for operations and maintenance (O&M) of devices and arrays in energetic marine environments.
- Development and validation of efficient high-fidelity resource characterization and/or modeling techniques.
- Development and techno-economic studies of devices for distributed applications.
- Component technology development necessary for enabling arrays: e.g. moorings and foundations, transmission, and other offshore grid components.
- Array performance testing and evaluation.
- In-water testing and evaluation of new, cost-effective environmental monitoring techniques and instrumentation in energetic marine environments.

**This is a Notice of Intent (NOI) only. EERE may issue a FOA as described herein, may issue a FOA that is significantly different than the FOA described herein, or EERE may not issue a FOA at all.**

EERE envisions awarding a single financial assistance award in the form of a cooperative agreement. The estimated award period of performance will be approximately three (3) years. R&D activities will be steered in collaboration with the DOE through annual go/no-go reviews.

This Notice is issued so that interested parties are aware of the EERE's intention to issue this FOA in the near term. All of the information contained in this Notice is subject to change. EERE will not respond to questions concerning this Notice. Once the FOA has been released, EERE will provide an avenue for potential Applicants to submit questions.

EERE plans to issue the FOA in the first half of calendar year 2014 via the EERE Exchange website (<https://eere-exchange.energy.gov/>). If Applicants wish to receive official notifications and information from EERE regarding this FOA, they should register in EERE Exchange. When the FOA is released, applications will be accepted only through EERE Exchange.

In anticipation of the FOA being released, Applicants are advised to complete the following steps, which are **required** for application submission:

- Register and create an account in EERE Exchange at <https://eere-exchange.energy.gov/>. This account will allow the user to register for any open EERE FOAs that are currently in EERE Exchange. It is recommended that each organization or business unit, whether acting as a team or a single entity, use only one account as the contact point for each submission. Questions related to the registration process and use of the EERE Exchange website should be submitted to: [EERE-ExchangeSupport@hq.doe.gov](mailto:EERE-ExchangeSupport@hq.doe.gov)
- Obtain a Dun and Bradstreet Data Universal Numbering System (DUNS) number (including the plus 4 extension, if applicable) at <http://fedgov.dnb.com/webform>
- Register with the System for Award Management (SAM) at <https://www.sam.gov>. Designating an Electronic Business Point of Contact (EBiz POC) and obtaining a special password called an MPIN are important steps in SAM registration. Please update your SAM registration annually.
- Register in FedConnect at <https://www.fedconnect.net/>. To create an organization account, your organization's SAM MPIN is required. For more information about the SAM MPIN or other registration requirements, review the FedConnect Ready, Set, Go! Guide at [https://www.fedconnect.net/FedConnect/PublicPages/FedConnect\\_Ready\\_Set\\_Go.pdf](https://www.fedconnect.net/FedConnect/PublicPages/FedConnect_Ready_Set_Go.pdf)

You may wish to register in [Grants.gov](https://www.grants.gov/) to receive automatic updates when Amendments to a FOA are posted. However, please note that applications will not be accepted through Grants.gov; all applications must be submitted through EERE Exchange. The Water Power Program also maintains a "Breaking News" [listserve](#) to provide updates and notices for funding opportunity announcements and other program information. You can subscribe to receive these emails at <http://energy.gov/eere/water/subscribe-water-power-program-news-updates>.

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