

WATER POWER PROGRAM

Water Power Technical Collaboration Program for Advanced Manufacturing and Materials Pre-Application

The Water Power Technical Collaboration Program for Advanced Manufacturing and Materials (Water Power TCP) is an opportunity for technology developers to work with DOE's Manufacturing Demonstration Facility (MDF) at Oak Ridge National Laboratory (ORNL) on technologies that apply to hydropower plants, pumped storage hydropower, and marine energy. Successful projects undergo a cooperative research agreement up to approximately \$480k with a 50-50 cost share match (\$240k from DOE and \$240k from the participant).

To apply for the Water Power TCP program, please complete the form in its entirety. This pre-application serves as an initial screening tool to evaluate alignment with the program's objectives and to identify potential collaborators within ORNL. If you have any questions, please send an email to WaterPowerTCP@ornl.gov. We look forward to working with you.

Project title:

Project lead name:

Email:

Phone:

Organization Name:

Organization Address:

Is the proposed scope of work related to any work currently funded by the federal government or agencies?

Yes ☐ No ☐

What field is your proposed work aligned with?

Hydropower Plants ☐ Pumped Storage Hydropower ☐ Marine Energy ☐

Concept Summary

Please describe your concept and address the following questions. The proposed concept must be able to advance technologies that apply to hydropower plants, pumped storage hydropower, and/or marine energy. Please limit the response to 500 words (~1 page):

- *What technical challenges are addressed by the concept?*
- *What technologies (system, component, sub-component, etc.) are targeted?*
- *How does the solution address the water power market challenges?*

Expected Outcomes

The idea of the Water Power TCP is not only to help your organization but also to serve the broader water power and advanced manufacturing communities by addressing a scientific research challenge. What are the expected outcomes for the broader water power industry and the advanced manufacturing community as a whole? Please limit your response to under 250 words (~1/2 page).

Additional Comments

If there is any additional information that you would like to provide, please do so here.

SAVE AS

SUBMIT FORM

If above buttons do not work, please send the completed form to WaterPowerTCP@ornl.gov