

Opportunity Title: Water Power Technologies Innovation and Commercialization

Opportunity

Opportunity Reference Code: DOE-EERE-STP-WPTO-2022-3000

Organization U.S. Department of Energy (DOE)

Reference Code DOE-EERE-STP-WPTO-2022-3000

How to Apply Click on *Apply* below to start your application.

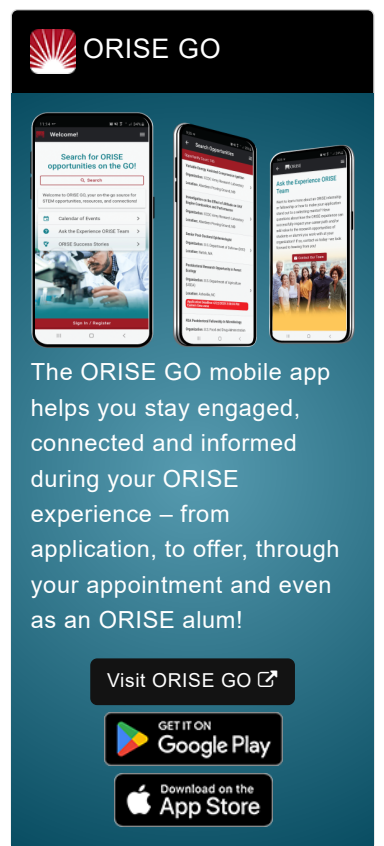
ORISE is continuing normal program operations during the COVID-19 pandemic. This opportunity will be offered as long as Department of Energy Headquarters is able to complete the onboarding process and ensure a meaningful experience to participants. We encourage you to apply and submit your application as soon as possible. Updates to this opportunity will be provided on this page as needed.

Description The Energy Efficiency and Renewable Energy (EERE) Science, Technology and Policy (STP) Program serves as a next step in the educational and professional development of scientists and engineers by providing opportunities to participate in policy-related projects at DOE's Office of Energy Efficiency and Renewable Energy in Washington, D.C. Participants will become part of a group of highly-trained scientists and engineers with the education, background, and experience to be part of the workforce that supports the DOE's mission in the future.

As a participant, you will learn how the Water Power Technologies Offices (WPTO) carries out its mission to support and fund research, development, demonstration, and commercial activities to advance marine energy and hydropower technology development. The WPTO is looking for individuals to gain hands-on experience by applying their knowledge within specific fields of expertise aligned with the Office's mission areas. The participant will be placed with the Strategic Innovation and Outreach team within the Water Power Technologies Office, working closely with the Marine Energy and Hydropower teams. A significant focus of the Strategic Innovation and Outreach team is to develop and implement strategies to enable the commercialization of marine energy and hydropower technologies, investigate and deploy innovative financing mechanisms to facilitate technology development, and support the water power innovation ecosystem.

The areas of professional development a fellow may participate in include:

- Learning to engage in a dynamic team setting to understand key market, technical, regulatory, and other policy barriers towards Marine Energy and Hydropower commercialization;
- Participating in the development of blue economy and water power innovation ecosystem, including engaging with incubators and accelerators;
- Participating in the development and execution of support and assistance mechanisms related to water power commercialization for developers and academic researchers;
- Learning to develop comprehensive strategies in parallel with ongoing and future funding mechanisms for Marine Energy and Hydropower;

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- Interacting with industry, private sector investors, and other federal agencies to understand pathways to private sector partnership for Marine Energy and Hydropower technology deployment and commercialization;
- Participating in activities to make funding opportunities more inclusive and equitable, including engaging with underrepresented and disadvantaged communities, and developing relevant public-private partnerships.
- Participating in activities to seed innovative new research, development, and commercialization concepts at the National Labs and academic institutions, and in supporting follow-on activities related to these concepts.

Participant Benefits

Selected participants will receive a stipend as support for their living and other expenses during this appointment. Stipend rates are determined by EERE officials and are based on the candidate's academic and professional background. Relocation expenses, not to exceed \$5,000, incurred in relocating from the participant's current address to Washington, D.C. (if more than 50 miles from the address shown on the application), may be reimbursed. Participants will receive a travel allowance of \$10,000 per appointment year to cover travel-related expenses to scientific and professional development activities.

This opportunity is available to U.S. citizens and Lawful Permanent Residents. (LPR).

For more information about the EERE Science, Technology and Policy Program, please visit <https://www.energy.gov/eere/education/energy-efficiency-and-renewable-energy-science-technology-and-policy-program>

Appointment Location

Washington, DC

Nature of Appointment

The participant will not enter into an employee/employer relationship with ORISE, ORAU, DOE, or any other office or agency. Instead, the participant will be affiliated with ORISE for the administration of the appointment through the ORISE letter of appointment and Terms of Appointment.

Qualifications Program eligibility requirements can be found at: visit <https://www.energy.gov/eere/education/energy-efficiency-and-renewable-energy-science-technology-and-policy-program>

Preferred Skills

- Extensive experience (3+ years) as a professional or academic in an engineering or scientific discipline (biology, oceanography, marine sciences, environmental sciences, etc.)
- Understanding of advanced concepts, principles, and practices of

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energy efficiency and renewable energy systems and technologies in the assigned program area.

- Knowledge of energy technologies in order to recognize realistic opportunities for renewable energy efficiency or alternative energy technologies based on practical considerations and cost/benefit potentials.
- Knowledge of the Energy Policy Act of 1992; National Energy Conservation Policy Act; Title IV, Part B of the Energy Conservation and Production Act; Energy Policy and Conservation Act; Energy Security Act; and the DOE Financial Assistance Regulations.
- Knowledge of policy analysis and evaluation.
- Knowledge of the principles, methods, practices and techniques of marketing and communication.
- Knowledge of Federal and departmental goals, policy, programs, projects, and efforts related to assigned program areas.
- Ability to communicate effectively with individuals and groups at all levels, both orally and in writing.

How to Apply:

A complete application consists of:

- An application
- Transcript(s) - For this opportunity, an unofficial transcript or copy of the student academic records printed by the applicant or by academic advisors from internal institution systems may be submitted. Selected candidate may be required to provide proof of completion of the degree before the appointment can start.
- A current resume/curriculum vitae (CV)
- One academic recommendation. References are asked to describe applicant's Scientific Capabilities and Personal Characteristics and must specify how they know the applicant.
- 1 Letters of Recommendation

The resume/CV must include the following:

- Basic applicant Information: Name, address, phone, email, and other contact information.
- Work & Research Experience: List all work and research experiences beginning with current or most recent. Include the name of the employer, location, position held, and time period involved.
- Leadership Experience: List experiences (e.g., work, civic, volunteer, research) that demonstrate your leadership skills. Detail your role, type of experience, organization, location, and duration.
- Educational History: List all institutions from which you received or expect to receive a degree, beginning with current or most recent institution. Include the name of the academic institution, degree awarded or expected, date of awarded or expected degree, and academic discipline.
- Honors & Awards: List in chronological order (most recent first) any awards or public recognitions. Include the name of awarding institution,

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title of the award or honor, and date of award or honor.

If you have questions, please send an email to DOE-RPP@orise.orau.gov.
Please list the reference code for this opportunity in the subject line of your email.

- Eligibility Requirements**
- **Citizenship:** LPR or U.S. Citizen
 - **Degree:** Master's Degree or Doctoral Degree.
 - **Discipline(s):**
 - **Business** ([3](#))
 - **Earth and Geosciences** ([21](#))
 - **Engineering** ([27](#))
 - **Environmental and Marine Sciences** ([14](#))
 - **Mathematics and Statistics** ([4](#))
 - **Other Non-Science & Engineering** ([2](#))
 - **Social and Behavioral Sciences** ([2](#))
 - **Age:** Must be 18 years of age