Opportunity Title: Opportunity with AMO Technical Partnerships
Opportunity Reference Code: DOE-EERE-STP-AMO-2019-1200

Organization	U.S. Department of Energy (DOE)
Reference Code	DOE-EERE-STP-AMO-2019-1200
How to Apply	A complete application consists of:

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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.
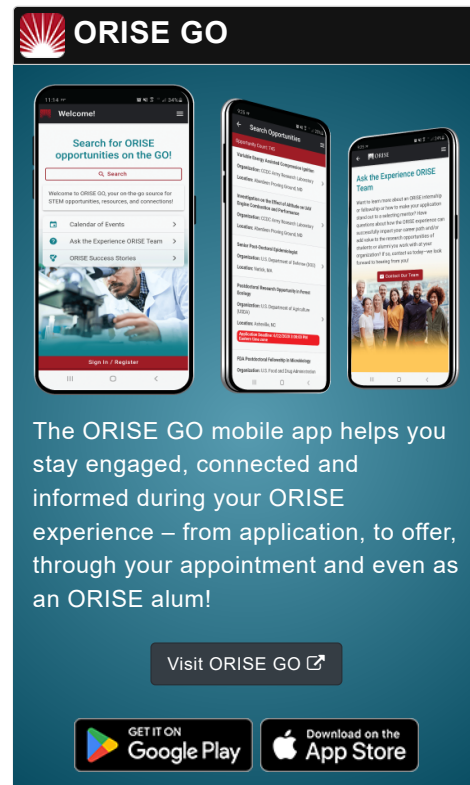- A current resume/curriculum vitae (CV)

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

All documents must be in English or include an official English translation.

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.

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.

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ORISE is continuing normal program operations during the COVID-19 pandemic. This opportunity will be offered as long as Department 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.

The ORISE participant will collaborate with the U.S. Department of Energy's Advanced Manufacturing Office in two main topic areas:
1) advancement of combined heat and power (CHP) technologies; and 2) development of strategic energy management approaches, such as ISO 50001.

More specifically, within the CHP topic, the ORISE participant will receive hands on experience in the development of an integrated strategy and work plan to guide AMO's CHP activities within its Technical Partnerships group. This may include:

• Researching the state of the CHP market, including key barriers and drivers to implementation
• Staying abreast of new policy and technology developments impacting CHP implementation
• Maintaining awareness of related efforts from other government agencies, private industry, and nongovernmental organizations
• Collaborating with AMO staff to propose a strategy that links disparate actions together, builds on current technology and other trends, and leverages existing DOE assets to accelerate advancement of CHP across the country.

Relative to strategic energy management, the ORISE participant will engage with AMO to learn how to develop, manage and conduct technical analysis, create plans and resources, and research and assess new techniques to advance energy management and energy practices in alignment with ISO 50001. ISO 50001 is a global practice of organization-wide energy optimization and sustainability that has been shown to lead to large, sustained energy savings across sectors. Key areas may include:

• Collaborating to develop resources leading to increased ISO 50001 implementation
• Determining resource needs and assessing technical options to meet program goals
• Contributing to written reports and papers on program research or findings
• Developing and executing data analysis and case studies, producing graphical and written findings
• Monitoring partner and project performance to meet program requirements
• Contributing to concepts related to utility energy efficiency

incentive programs and ISO 50001

Participant Benefits

Selected candidates 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 and Technology Policy Program, please visit https://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://energy.gov/eere/education/energy-efficiency-and-renewable-energy-science-technology-and-policy-program

Ideal candidates will have the following skills and/or experience:

• Experience partnering with industry on energy efficiency programs and actions
• Knowledge of ISO 50001 and other strategic energy management approaches
• Experience researching and documenting key trends impacting industrial energy efficiency
• Knowledge of CHP systems, including an understanding of major technology types and key barriers to implementation
• Strong verbal and written communication skills
• Experience working with diverse stakeholders and a demonstrated ability to work in a team environment.

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Eligibility Requirements	- **Citizenship:** LPR or U.S. Citizen
	- **Degree:** Master's Degree or Doctoral Degree.
	- **Discipline(s):**
	    ○ **Business** (11 👁)
	    ○ **Chemistry and Materials Sciences** (12 👁)
	    ○ **Computer, Information, and Data Sciences** (16 👁)
	    ○ **Earth and Geosciences** (21 👁)
	    ○ **Engineering** (27 👁)
	    ○ **Environmental and Marine Sciences** (14 👁)
	    ○ **Life Health and Medical Sciences** (45 👁)
	    ○ **Mathematics and Statistics** (10 👁)
	    ○ **Physics** (16 👁)
	    ○ **Science & Engineering-related** (1 👁)
	- **Age:** Must be 18 years of age