

Opportunity Title: Fellowship opportunity at the Department of Energy (DOE)
Loan Programs Office

Opportunity Reference Code: DOE-STP-LPO-8000-2022



Organization U.S. Department of Energy (DOE)

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

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Application Deadline 6/30/2022 11:59:00 PM Eastern Time Zone

Description The U.S. Department of Energy (DOE) Science, Technology and Policy (STP) Program is designed to provide opportunities to participate in programs, projects, and activities within the Loan Programs Office (LPO). The STP Program provides an opportunity for highly talented engineers; sustainability, legal, finance professionals, entrepreneurs; and physical, natural, and social scientists to participate in projects at DOE's Loan Programs Office (LPO) in Washington, DC. The LPO seeks to develop future leaders in advanced energy technology and energy project finance. Participants selected for this opportunity will be involved in projects in the Technical and Project Management Division (TPMD) within LPO.

About LPO

The Department of Energy LPO finances large-scale, all-of-the-above energy infrastructure projects in the United States. The office administers three distinct loan programs, the Advanced Technology Vehicles Manufacturing Direct Loan Program, the Title 17 Innovative Energy Loan Guarantee Program, and the Tribal Energy Loan Guarantee Program, with more than \$40 billions in loan and loan guarantee authority currently available. To date, LPO has issued more than \$35 billions of loans and loan guarantees for more than 30 projects and has a proven track record including transforming existing energy infrastructure, reviving nuclear construction, accelerating growth of utility-scale solar and wind, expanding domestic manufacturing of electric vehicles, and improving the lives of all Americans by catalyzing energy technology and creating jobs. For more information about the Loan Program Office, please visit <https://www.energy.gov/lpo/loan-programs-office>.

LPO is interested in candidates with backgrounds including but not limited to engineering, sustainability, finance/accounting, risk analysis, environmental compliance, law, entrepreneurship, physical, natural sciences, and social science. Direct background in energy is not required, but strong candidates will have skill sets that can directly transfer to the work done within TPMD. Fellows are selected for their strong technical and/or analytical backgrounds according to their education level and work experience. Fellows are expected to use their skills and backgrounds to offer new perspectives and unconventional approaches to challenges within LPO.

Initial candidates on this opportunity posting are being sought for the LPO Technical and Project Management Division (TPMD). However, other opportunities within other LPO divisions may become available at a later date. **LPO applications are reviewed with rolling application deadlines of January 31th and June 30th. Recommendations are due January 31th and June 30th, so make sure your recommendations have been received by then in order for your application to be considered.**

About TPMD

TPMD works to evaluate, oversee, and manage new and innovative energy projects and technologies to meet the evolving energy needs of the United States, serving as the engineering arm of LPO. To accomplish this goal, Federal Project Engineers (FPEs) use their own technical background and knowledge, as well as sourcing contractors and independent engineer expertise to evaluate a project/technologies' technical eligibility/viability, see the project through construction, and finally monitoring the project for required metrics

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until the loan terms are met. TPMD works closely with other division within LPO.

What will I be doing?

Fellows will be provided with the opportunity to participate in TPMD projects and be mentored by experienced TPMD staff. TPMD also supports fellows in pursuing further professional development opportunities, such as trainings, workshops, and conferences. Interacting closely with their TPMD mentor(s), the fellows will learn how to:

- Use sound technical judgment and initiative to resolve the challenges of evolving conditions and other problems relative to the assigned projects and programs
- Leverage physics or mechanical, nuclear, electrical, chemical, civil, or industrial engineering theories, principles, and practices
- Analyze situations, identify problems, and probe causes
- Cooperate with a team, perform assessments, clearly and concisely document assessment results
- Coordinate with related engineering and physical science fields adequate to effectively discuss technical points and to recommend acceptable engineering solutions to problems
- Perform and interpret calculations, analyses, and computations for unknown factors or relationships primarily in the matters of factual nature of involving well understood mechanisms

Click below to find out more about the technology areas that TPMD support projects from:

<https://www.energy.gov/lpo/downloads/advanced-fossil-energy-projects-solicitation-fact-sheet>

<https://www.energy.gov/lpo/downloads/advanced-nuclear-energy-projects-solicitation-fact-sheet>

<https://www.energy.gov/lpo/downloads/advanced-technology-vehicles-manufacturing-fact-sheet>

<https://www.energy.gov/lpo/downloads/renewable-energy-efficient-energy-solicitation-fact-sheet>

<https://www.energy.gov/lpo/downloads/tribal-energy-loan-guarantee-program-fact-sheet>

What are the benefits?

Participants will receive a stipend to be determined by LPO. Stipends are typically based on the participant's academic standing, discipline, experience, and research facility location. LPO may authorize a stipend increase to offset the costs of health insurance. Participants are eligible to purchase health insurance plans offered through ORISE. A relocation allowance may be provided for participants relocating to the Washington, D.C. Participants may receive reimbursement for training and/or travel as approved by LPO.

Appointment Location

Washington, DC

Due to COVID-19 restrictions, remote starts to appointments may be approved.

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 Participants must fall into one of the following categories:

- **Student:** Candidate must be an undergraduate or graduate student enrolled in an accredited U.S. college, university, technical institute, or must be in an institution approved by LPO. Part-time students

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may be considered with sponsor approval.

- **Postgraduate:** Candidate must have received an associate's, bachelor's, master's or doctorate degree. Otherwise, the candidate will be required to complete all requirements for such a degree prior to the desired starting date.

Applicants must be a U.S. citizen or Lawful Permanent Resident (LPR).

Preferred candidates will have a strong academic performance, analytical, research and communication (oral and written) skills, demonstrated capacity for creative thinking, expertise in an energy technology-related field, and interest in being part of a multi-disciplinary, fast-paced environment. Experience and knowledge in technology commercialization is desirable, but not required.

How to Apply






A complete application consists of:

- An application
- A current resume/CV, including academic history, employment history, and relevant experiences
- Academic Records - 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.
- One Recommendation - Applicants are required to provide contact information for one recommendation in order to submit the application. You are encouraged to request a recommendation from a professional who can speak to your abilities and potential for success as well as your scientific capabilities and personal characteristics. Recommendation requests must be sent through the Zintellect application system. Recommenders will be asked to complete a recommendation in Zintellect. Letters of recommendation submitted via email will not be accepted.

*All documents **must** be submitted via Zintellect in order to be considered and must be in English or include an official English translation. Submitted documents must have all social security numbers, student identification numbers, and/or dates of birth removed (blacked out, blackened out, made illegible, etc.) prior to uploading into the application system.*

If you have questions, send an email to DOE-RPP@ora.org. Please include the reference code DOE-STP-LPO-8000-2022 for this opportunity in your email.

Eligibility Requirements

- **Citizenship:** LPR or U.S. Citizen
- **Degree:** Associate's Degree, Bachelor's Degree, Master's Degree, or Doctoral Degree.
- **Discipline(s):**
 - **Earth and Geosciences** (21 )
 - **Engineering** (27 )
 - **Environmental and Marine Sciences** (14 )
 - **Other Physical Sciences** (12 )
 - **Physics** (16 )
- **Age:** Must be 18 years of age