

Opportunity Title: Building Technologies Office Opportunity – Commercial

Buildings Integration

Opportunity Reference Code: DOE-EERE-STP-BTO-2023-1200



Organization U.S. Department of Energy (DOE)

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How to Apply Click on the *Apply* button below

Description The Energy Efficiency and Renewable Energy (EERE) Science and Technology 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.

The participant will engage and interact closely with Building Technologies Office (BTO) staff and National laboratory scientists on research and development of technology for building systems integration and optimization to produce significant energy savings in the commercial real estate market. During their appointment, participants undergo a full immersion experience in Commercial Building Initiative's (CBI) technical projects and activities, interacting with experts in academia, industry and at the national labs. Participants may also engage with other programs at the Department of Energy and across the Federal government.

The learning and professional development opportunities include:

- **Stakeholder Engagement.** Engage with DOE staff to build and maintain relationships with strategic partners working on emerging tech, technology for building systems integration and energy efficiency programs.
- **Technical Expertise.** Engage with DOE staff to provide feedback and/or recommendations on strategic progress or course correction for a variety of technical projects relating commercial building energy efficiency products/technologies and solutions.
- **Creative Vision.** Engage in strategic planning for technology research and development, reviewing, recommending and implementing projects that advance the BTO and CBI mission, resulting in measurable and trackable building energy savings.
- **Communication.** Engage with DOE staff to prepare and present written and oral briefings and reports to senior program staff, DOE leadership, external partners and industry stakeholders.

Applicants will be evaluated on the basis of their professional and academic record, expertise in the field and potential for making contributions in the area of building energy efficiency. Priority for selection will be given to applicants whose resume and expertise reflects a background in building energy technology and systems and/or building science and a willingness to learn and develop solutions important to the office. The review process will include phone and/or in-person interviews with potential candidates.

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).

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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

Golden, Colorado or 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>.

Successful candidates will:

- Have a passion for buildings, energy efficiency and technology RD&D.
- Have interest in working in a multi-disciplinary, metrics-oriented, collaborative environment.
- Have strong organizational, analytical and research skills and a demonstrated capacity for creative thinking.

Preferred Skills:

- Experience working with energy efficiency evaluations and programs for commercial buildings.
- Knowledge of strategies to identify, evaluate and prioritize cost-effective energy savings measures in new and existing commercial buildings.
- Experience with successful market transformation programs, policy and regulatory interventions, and/or public-private partnerships.
- Understanding of the economics of energy efficiency, including payback, rate of return and net present value.
- Experience with key innovations in commercial building efficiency, especially whole building strategies and analytics-based building energy management.
- Experience in researching or developing voluntary energy efficiency policies or programs for commercial buildings, such as strategies designed to overcome specific technical and structural barriers and/or the evaluating of program effectiveness.
- Experience with building energy data, management or analytics platforms including energy modeling software/tools.
- Knowledge of commercial real estate, including understanding of ownership structures, lease types and financing structures common in commercial buildings.

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.

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- **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@ornl.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:** Bachelor's Degree, Master's Degree, or Doctoral Degree.
- **Discipline(s):**
 - **Business** (11 )
 - **Chemistry and Materials Sciences** (3 )
 - **Communications and Graphics Design** (3 )
 - **Computer, Information, and Data Sciences** (5 )
 - **Earth and Geosciences** (2 )
 - **Engineering** (27 )
 - **Environmental and Marine Sciences** (3 )
 - **Life Health and Medical Sciences** (3 )
 - **Mathematics and Statistics** (11 )
 - **Other Non-Science & Engineering** (7 )
 - **Physics** (16 )
 - **Science & Engineering-related** (1 )
 - **Social and Behavioral Sciences** (29 )
- **Age:** Must be 18 years of age