Position Description

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<th>Position Number: 14</th>
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<td>Position Name: DPU Electric Power Division Energy Analysis</td>
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<td>Location: South Station and Remote</td>
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<td>Duration: June 6 – August 19, 2022</td>
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**THIS POSITION IS UNPAID**

**Brief Description of Internship Position:**
The Department of Public Utilities (DPU) is responsible for oversight of investor-owned electric power, natural gas, and water utilities in the Commonwealth. The DPU's Electric Power Division (EPD) is responsible for investigating the investor-owned electric companies in Massachusetts. The EPD also oversees and implements initiatives that encourage clean and renewable energy and is responsible for the development and implementation of the policies and rules resulting from the enactment of the 2008 Green Communities Act, the Global Warming Solutions Act, the 2021 Next Generation Roadmap for Climate Policy, and other energy and climate related legislation.

The EPD Energy Analyst Intern applies a broad mix of economic, public policy, and data analytic skills towards the analysis and synthesis of issues and cases before the EPD. The EPD is seeking an intern to participate in current investigations of petitions from the electric power utilities related to grid modernization and interconnection. Grid modernization cases address the upgrading of the electric distribution system to improve reliability and prepare for a future with increased renewable energy and electrification. Interconnection cases address plans and procedures for enabling the integration of distributed generation facilities onto the electric grid.

**Description of Duties and Responsibilities:**
The Energy Analyst Intern will collaborate with DPU economists/analysts, regional planners, and attorneys and provide technical, policy and data analytic, and regulatory support on cases related to grid modernization and interconnection. This support will include reviewing and analyzing case documentation and data, identifying gaps and discrepancies, making the appropriate inquiries, and researching and developing sound policy decisions. The specific case projects that the Intern will likely be asked to complete include:

- As part of the DPU’s cost reviews, analyze grid modernization program cost data and documentation produced by the electric utilities to determine whether grid investments are well supported and justified, and that the amount being sought for recovery from ratepayers was prudently spent to meet program and DPU requirements.
- Review, and assist DPU staff in making a determination on capital investment project proposals filed by the electric utilities to upgrade their infrastructure for the integration of distributed generation. This work will entail a review and validation of project costs, permitting and licensing requirements, construction timeline, proposed cost allocation amongst interconnecting customers and ratepayers, and alignment with the Commonwealth’s policies for clean energy and environmental justice.
**Preferred Knowledge and Skills:**
The intern should have excellent qualitative and quantitative analytical and writing skills, as well as the ability to express thoughts in a clear, methodical manner. An intermediate level of proficiency in Excel is preferred.

Current graduate and advanced undergraduate students majoring in a relevant field that requires economic or policy analysis and/or data-driven problem solving such as economics, public policy, or environmental or energy studies/sciences/engineering.

A preferred candidate would have some familiarity with the energy or utility industry, with experience, knowledge, or demonstrated interest in at least one of the following areas:
- energy policy, markets, and technology, particularly in renewables and distributed generation.
- energy efficiency, demand response, and electrification.
- sustainability planning and implementation, including climate action and emission reduction plans and programs, greenhouse gas/carbon emissions inventory and reporting, energy use curtailment, green building; or
- utility, public utility commission, or regulatory work.

**Hours per week:**
20 hours/week is expected, but negotiable. Note that the Department is currently working on a hybrid in-office/telecommute schedule.

**Other relevant information:**
Hiring managers commit to providing: a collaborative and educational environment; an opportunity to participate in the process of developing and implementing energy policies and regulations; professional work experience and relationship.