



Philadelphia Water Department, Office of Watersheds
Paid Graduate Internship Opportunity
Summer 2020

Philadelphia Water Department's Office of Watersheds Unit is looking for an environmental science, environmental management, or other qualified degree candidate to fill a graduate student internship position during Summer 2020 (May/June-August/September).

Information about the mission and activities of the unit can be found here: www.phillywatersheds.org and www.phila.gov/water.

The intern will be part of the Office of Watersheds Climate Change Adaptation Program (CCAP), which aims to reduce the risks and associated expenses that the Philadelphia Water Department (PWD) will face from the impacts of climate change by identifying and implementing effective and feasible adaptation strategies. The CCAP stays up-to-date on the latest climate change science, performs technical risk assessments, and creates communications materials to convey complex scientific topics and assessment results. A current focus of the program is to coordinate with other PWD Units to inform existing programs and long-term plans and provide guidance for climate-resilient infrastructure planning and design. The CCAP also works with other city agencies and partners to share information, leverage resources and help ensure that city-wide adaptation efforts are coordinated. Additional information on the CCAP can be found here: <http://www.phila.gov/water/sustainability/Pages/ClimateChange.aspx>.

The CCAP is an interdisciplinary and dynamic team. The ideal internship candidate will have interest in the topics of water resources management at a municipal level and climate change resilience. Tasks will vary depending on CCAP priorities, but in general, the team is looking for strong analytical skills (data analysis, research) and communication skills (oral, written) along with an interest in supporting climate change-related training and outreach efforts. Desired proficiencies and example tasks are included below.

Proficiencies:

- Knowledge of environmental science, policy and/or water resource planning topics, with specific interest in municipal water resources management and/or climate change adaptation
- Strong written and oral communication skills with an interest in supporting climate change education and outreach
- Strong analytical skills, including the ability to digest and synthesize information on complex scientific, planning and policy-related topics
- Skills in Microsoft Office, including Excel, required
- Skills in data analysis preferred, including proficiency in R statistical software

Example Tasks:

- Draft factsheets, memos and presentations for internal PWD staff and city partners
- Review climate science publications, climate change adaptation planning documents, guidance materials and other relevant sources to summarize and make recommendations for use by staff

- Support risk assessment analyses that are aimed at characterizing PWD risks to sea level rise, extreme precipitation and/or extreme heat
- Query databases to track progress on and changes to capital projects that may be vulnerable to climate change impacts
- Support development of training/education materials that are tailored to various technical and planning-oriented audiences
- Support CCAP staff in carrying out training/education initiatives, with a primary focus on internal engagement and capacity building at PWD
- Attend meetings with various programs and partners to document meeting minutes and learn about city and department initiatives

A full-time position is available at a starting rate of \$20/hour (rate is negotiable depending on skills and experience). Must be a current graduate student in an accredited Environmental Science, Planning, Management and/or Policy Program.

Please send a resume, cover letter and 1-3-page writing sample (preferably showcasing a relevant topic in professional memo format) to Julia Rockwell, CCAP Manager, at julia.rockwell@phila.gov.

Applications due by 02/14/2020.