Summary:
Dedham is a small New England town (pop 24,000) located just outside of Boston, with a vibrant downtown and active community. The town has one full-time sustainability staff person responsible for supporting Dedham’s work on a wide range of issues from recycling to energy (including its work as a Massachusetts Green Community [https://www.mass.gov/orgs/green-communities-division]) to land conservation and transportation improvements. Dedham signed onto the Compact of Mayors in 2017, a global coalition of city leaders addressing climate change by pledging to cut greenhouse gas emissions and prepare for the future impacts of climate change. Dedham has been working to address municipal greenhouse gas emissions, which it tracks annually as a requirement for the Green Communities program, but is now looking to track and analyze community emissions through its commitment to the Compact for Mayors. The Sustainability Fellow will engage deeply in data collection and analysis to support Dedham’s climate action efforts.

This is an excellent opportunity to inform and help shape the climate leadership efforts of the Town of Dedham, develop in-depth expertise around effective approaches to community GHG mitigation, and to get a first-hand sense of what it means to work on sustainability for a municipal government. The Fellow will complete this fellowship with advanced knowledge of greenhouse gas inventory and plan creation, highly prized skills in the sustainability field.

Deliverables:
- Update the GHG inventory by utilizing Mass Energy Insight (MEI) and ICLEI ClearPath software (training provided), researching historic gasoline and diesel files for Dedham’s vehicle fleet, working to correct known errors, and researching community data that is required through the Compact of Mayors.
- Contribute to an updated Draft Climate Action Plan for Dedham in collaboration with the Environmental Coordinator, using the current Energy Reduction Plan, the Sustainability Committee goals, and a recent ESCO report as points of reference. This will involve reviewing other communities’ climate action plans to get a sense for possible gaps or missed opportunities, analyzing the impacts of potential mitigation strategies, and developing recommendations to inform capital planning efforts in the future.
- As time permits, collect and analyze data to provide a high-level assessment of Dedham’s climate vulnerabilities, and include in the CAP.
• Present findings to the Dedham Sustainability Committee.

**Impact:**
The Sustainability Fellow’s work will set the stage for the Town of Dedham to set goals and create a plan to substantially decrease it’s GHG emissions over the coming years. In addition, while many large cities are able to invest significant time and resources into climate planning, Dedham is as a leader among small communities, and can serve as a model for similar towns seeking to understand and address their contribution to climate change, using an approach scaled and tailored for their community.

**Location:** Dedham Environmental Department, Dedham, MA
**Time commitment:** 40 hours per week, June 4-August 17, 2018
**Compensation:** $6000 stipend

**Desired Qualifications:**
- Fluency in carbon accounting protocols and concepts, and, ideally previous experience in conducting GHG-inventories
- Ability to understand mechanical systems, and to converse with facility directors and staff from across municipal departments
- Demonstrated excellence and fluency in quantitative analysis
- Strong verbal and written communication skills
- High levels of motivation and self-direction
- Academic or experiential background in environmental science, community planning, policy, and/or energy all extremely helpful
- A sense of humor and upbeat, outgoing personality always appreciated

**UNHSI Sustainability program eligibility:**
Graduate students, exceptional undergraduate students, and recent graduates are eligible. We will encourage, but not require, an academic sponsor or reference for each fellow, and where possible we will ask that course credits are awarded.

**Supervision, Training, Mentoring and Evaluation:**
This fellow will receive supervision from Ginny LeClair, Environmental Coordinator for the Town of Dedham, as well as mentoring and extensive professional development offerings from UNHSI.

Fellows will be expected to participate in the following MANDATORY events:
- A three-day, two-night orientation in Durham, NH, May 29-31. Lodging and meals will be provided. A limited number of travel scholarships will be available to assist with transportation to Durham.
- Weekly webinars during the course of the 10-week fellowship.
- Midterm project presentations to UNHSI staff, faculty and relevant project partners in Durham, NH, July 12. Travel support provided.
- Final project presentations to UNHSI staff, faculty and relevant project partners in Durham, NH, August 10. Travel support provided.

Apply by February 14 at [www.sustainableunh.unh.edu/sustainability-fellows](http://www.sustainableunh.unh.edu/sustainability-fellows).