Summary:
The Town of Groton completed its most recent Greenhouse Gas Inventory in 2010, assisted by an Energy Efficiency and Conservation Block Grant from the US Department of Energy. As part of that effort, the Town also completed a limited Energy Efficiency Action plan in 2013. Over the intervening years, significant inroads have been made in energy efficiency, primarily in the form of lighting projects. These and other Energy Conservation Measure (ECM) projects identified in the 2013 Action Plan were accomplished, but not well tracked. Evaluation of the Town’s successes in energy conservation and efficiency will be helpful in planning future projects.

As part of this project, the Sustainability Fellow will review and update the Town of Groton’s benchmarking of municipal facilities and associated GHG emissions inventory (last completed in 2010). Completion of items identified in the Energy Action Plan, created as part of this initial effort, will be reviewed for effectiveness. The Fellow will also assist the Town in reviewing energy use tracking procedures and recommend practical alternatives.

This is an excellent opportunity for a Fellow to gain insight into the operation of a community with multiple utility providers and multiple political sub divisions. The Fellow will gain experience working with utilities, managing complex datasets, and completing an actual GHG inventory for a complex community, and will have the opportunity to contribute to the Town’s energy policy.

Deliverables:
- Updated benchmarking and GHG inventory for Town Municipal Buildings
- Report of Effectiveness of Town Energy Efficiency and Conservation Actions
- As time permits, recommended actions based on analyses above, and current Town Municipal Energy Policy

Impact:
Completion of the work proposed here in Groton could add to the information collected by UNHSI from other projects of this type and confirm some of the “best practices” already identified from similar work in other municipalities. From the Town’s perspective completion of this project would again bring interest in sustainability to the
forefront. It could help catalyze the Towns efforts toward reduced emissions and sustainability more broadly in the future.

**Location:** Town of Groton, Groton, CT  
**Time commitment:** 40 hours per week, June 4-August 17, 2018  
**Compensation:** $6000 stipend

**Desired Qualifications:**
- Academic background in climate science, energy policy, environmental engineering, or a related field
- Familiarity or direct experience completing a municipal GHG inventory and/or analyzing energy usage
- Familiarity with EPA Portfolio Manager a plus
- Excellent written and verbal communication skills
- Well-developed analytical skills, including data management and spreadsheets
- Interests in urban planning, municipal energy policy, climate mitigation

**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 Rick Norris, Sustainability Program Manager with the Town of Groton, 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).