



## Sustainability Fellowship **Policy and Programmatic Approaches for Increasing Energy Efficiency of New Construction - Boston, MA**

The City of Boston is recognized as a national leader in the green building, sustainability and climate change movements. In 2007 Boston became the first municipality in the U.S. to require that new construction in excess of 50,000 square feet be LEED certifiable; we were named the #1 energy efficient city by the American Council for an Energy Efficient Economy in 2014 and 2015; and received the “Smart Cities, Smart Engagement” award at the 2015 United Nations Climate Change Conference (COP21). In addition, Boston is a member of the international invitation-only Cities Leadership Group (C40).

Boston’s many climate and sustainability goals are detailed in the “Greenovate Boston 2014 Climate Action Plan Update” ([www.cityofboston.gov/climate/bostonsplan/](http://www.cityofboston.gov/climate/bostonsplan/)). Its cross-cutting themes of Social Equity, Economic development, Public Health and Safety and Community Engagement frame our work. The 2016 Boston UNHSI Fellow will provide technical assistance to track and analyze building rating system credit choices for Boston buildings and conduct research in ways to expand building energy efficiency through, but not limited to, methods such as increased rating system requirements, broad-based building standards, performance-based standards and zoning. Research/modeling will include comparative construction costs and life-cycle costs of buildings under a variety of energy efficiency scenarios.

### Goal and Anticipated Deliverables:

- Identification and comparative analysis of methods for increasing the energy efficiency of new construction in Boston
- Quantified differentiations in construction and life cycle costs based-upon energy efficiency choices
- Recommendations for policy and programmatic approaches to meet Boston’s Climate Action Plan energy efficiency goals for new construction

**Location:** Boston City Hall

**Time commitment:** 40 hours per week, June 6-August 19, 2016

**Compensation:** \$6000 stipend

**Desired Qualifications:**

- Enrollment in an undergraduate or graduate degree program: ideally in environmental science/studies, energy management, engineering, architecture, public administration, or a related field
- Experience in energy efficiency and public policy
- Knowledge of energy efficiency programs and rating systems
- Familiarity with life-cycle costing and modeling

Boston's Environment, Energy and Open Space Cabinet, within which the Fellow will be working, is composed of a broad-based staff of experts in areas that include energy, green buildings, utility collaboration, climate and sustainability. This team has myriad connections within city and state government as well as the private sector. This Fellow will have the opportunity to enhance their professional expertise on many levels working with this team—and to contribute to continued leadership and innovation in one of the U.S.'s most sustainable cities.

**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 day-to-day supervision from Maura Zlody, Senior Environmental Policy Analyst, and mentoring and professional development offerings from UNHSI.

Fellows will be expected to participate in three MANDATORY events:

- A three-day, two-night orientation in Durham, NH, June 1-3rd. Lodging and food are provided; Fellows are responsible for any associated travel costs.
- Midterm project presentations to UNHSI staff, faculty and relevant project partners (can be done remotely).
- A summative evaluation and feedback session at the end of their placement.

**Apply by February 23<sup>rd</sup>** at <https://www.sustainableunh.unh.edu/sustainability-fellows>