About the Sustainability Fellows Program:
UNH Sustainability Fellowships pair exceptional students from across the U.S. with municipal, educational, corporate, and non-profit partners in New England to work on transformative sustainability initiatives each summer. Sustainability Fellows undertake challenging projects that are designed to create an immediate impact, offer a quality learning experience, and foster meaningful collaboration. Fellows work on-site with their mentors at partner organizations for 10 weeks, supported by a network of Fellows, partners, alumni, and the UNH Team. Graduate students, exceptional undergraduate students, and recent graduates from any accredited college or university are eligible to apply.

A detailed description of one Fellowship follows. To learn more about the other Fellowships offered this year, and for application instructions, see:
www.sustainableunh.unh.edu/sustainability-fellows.

About the Fellowship:
Burlington Electric Department’s (BED) 2030 Vision is to make Burlington a “net zero energy city” across the electric, thermal, and ground transportation sectors by managing demand, realizing efficiency gains, and expanding local renewable generation, while increasing system resilience. Having moved the electric utility to a renewable energy portfolio, transportation and thermal/heating initiatives will be needed to close the remaining gap (along with retaining a renewable energy portfolio and managing the load growth from any strategic electrification activities that increase electric use). To begin this process, BED issued a request for proposals in 2018 to create a Net Zero Energy (NZE) Roadmap for Burlington to reach this goal by 2030. The NZE Roadmap will be available in the late spring and BED will need assistance to begin transitioning the Roadmap to a set of action plans, during the summer of 2019.

This position requires a broad set of skills focused on implementing and integrating the NZE Roadmap into BED’s workflow; facilitating collaboration between a diverse team to establish repeatable processes; advancing a wide range of customer programs; coordinating across stakeholders and City departments; and overcoming potential barriers with innovative solutions. Among the barriers that will need consideration are the constraints imposed by existing statute and regulation that may need to be modified.
Outcomes:
The main outcome we are hoping for is that the implementation of actions identified in the NZE Roadmap will be significantly advanced from where it would have been absent the Fellow’s work. The work product could include reports and presentations on how to implement change and overcome barriers in the energy space, or dashboards charting progress and identifying delays in achieving short-term goals.

Impact:
The Fellow will learn how to overcome challenges related to implementing a wide variety of decarbonization solutions. The Summer Fellow will join our team and help pave the way for multi-modal transportation opportunities and heat up the renewable thermal space in Burlington. This project should be a model for other cities to follow when implementing their decarbonization plans.

This is an opportunity for a Summer Fellow to influence a major climate initiative and be at the forefront of advancing the City of Burlington towards reaching NZE by 2030. This is a project that is ambitiously breaking new ground and BED is looking for a Fellow that does not shy away from challenges and has the resourcefulness to contribute meaningfully as a part of the BED team.

Desired Qualifications:
- A passion for climate and energy related issues;
- Experience with program design/implementation;
- Background in the electric utility industry, strategic electrification/decarbonization, or related government work;
- Demonstrated skill in research and quantitative analysis (Excel, R, Matlab, Tableau, Python, etc.);
- Experience in producing reports for use by decision makers;
- An understanding of energy systems and technologies;
- Academic background in a related field(s) (Energy, Building Science, Economics, Engineering, etc.).

Work Location:  Burlington Electric Department, 585 Pine Street, Burlington, VT 05401

Mentor(s):  James Gibbons - Director, Policy & Planning, and Jennifer Green - City Sustainability Officer

Compensation:  $6500 summer stipend (taxable and paid on a two-week payroll cycle over the course of the Fellowship term)
**Expectations:**

Fellows are expected to be primarily dedicated to their assigned projects throughout the summer, and also participate in a variety of networking activities, professional development opportunities, and presentations coordinated by UNHSI. Specifically, Fellows are expected to:

- Attend a mandatory orientation at UNH prior to the start of the Fellowship term, **May 28-30, 2019**. (Travel scholarships may be available for students traveling from outside New England.)
- Work full-time on-site at the partner organization for 10 weeks, for a total of 400 hours, **June 3 - August 16, 2019** (an eleven-week period, allowing for one week off, as mutually agreed upon with supervisor).
- Complete a Fellowship project according to the work plan (with adjustments as necessary).
- Participate in weekly webinars or advisory group meetings.
- Present work at mid-term and final poster sessions at UNH on **July 12 and August 9**. (Travel support available.)
- Engage in additional professional development, networking, and advisory activities as offered.
- **Provide and receive feedback at the end of the Fellowship.**

**Apply by February 7** at [www.sustainableunh.unh.edu/sustainability-fellows](http://www.sustainableunh.unh.edu/sustainability-fellows).

**Questions** may be addressed to **megan.carney@unh.edu**.