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:
The University of New Hampshire is a sustainability leader, and has been at the forefront of higher education’s efforts to address climate change for nearly two decades. It was among the first universities to publish a greenhouse gas (ghg) inventory; and WildCAP, its climate action plan published in 2009 and updated in 2014, was one of the first plans of its kind as well. UNH was a charter signatory to the Climate Commitment, which calls upon colleges and universities to become “carbon neutral” and to integrate climate issues into their curriculum and research efforts—and has set an interim goal of 50% reductions from its 2001 baseline by 2020, which it is on track to meet.

UNH’s Energy Task Force, which is the group (coordinated by the Sustainability Institute) of campus staff, faculty and students that steward the campus’s climate change efforts, is now planning for the next update to WildCAP, to be released in the fall of 2019. This WildCAP update will establish emissions reduction targets and strategies for the university during this critical next decade between 2020-2030—when the latest IPCC report tells us that we need to see significant and rapid emissions reductions. The plan will of course consider energy conservation and efficiency measures, renewable energy options, and transportation demand management strategies; it will also explore options for carbon sequestration, capture and utilization, and offsets. In addition, the goal is to include an estimation of UNH’s entire Scope 3 footprint, including upstream and/or
downstream emissions from all purchased goods and services, capital goods and investments, and explore ways to strategically mitigate those as well. The Energy Task Force will spend spring of 2019 developing an initial “blueprint” for the WildCAP update, including an outline of the Plan, an inventory of possible reduction strategies for further exploration and modeling, and some initial desk research on said strategies. The WildCAP Fellow will work with the ETF, using that blueprint, to select short- and medium-term strategies to research and analyze, and compile the results of that work into the draft of a finished Plan, for the ETF to review and publish in the fall of 2019.

Outcomes:

- A body of research into the feasibility, constraints, impacts, costs and co-benefits, for UNH, of selected GHG reduction strategies
- Where feasible (i.e. where the necessary data is available), life-cycle costs and emissions reductions modeling for selected GHG reduction strategies
- Creation of visual materials (i.e. charts, graphs and/or infographics) that summarize the results of the research and analysis
- A complete first draft of a WildCAP update
- A presentation that can be used to provide an overview of the WildCAP update: to first be developed and given to the ETF members, then refined to use for public presentations to campus stakeholders (e.g. the Faculty or Student Senate, Sustainability Task Force, etc.

Impact:
The WildCAP Fellow will gain experience and insight into the process of developing multi-stakeholder-driven climate action plans, and will develop a deeply informed perspective on the pros, cons, and contextual relevance of diverse greenhouse gas emissions reduction strategies. At the completion of the summer, the Fellow will have very tangible modeling, research and writing products to his or her name (and will be credited as a primary author on the final published report.)

This is not a plan that will “sit on the shelf” upon completion: With this WildCAP update, UNH is seeking to raise the bar for campus leadership on climate change, embodying what is possible and necessary in terms of rapid global emissions reductions. We are committed to sharing our successes and challenges both inside higher ed and beyond; thus, the WildCAP Fellow’s work, if we are mutually successful, will not only lead directly to the annual reduction of tens of thousands of tons of GHG’s from UNH, but help pave the way for additional reductions, and leadership, outside the halls of academia.

Desired Qualifications:

- At least three years of undergraduate study in a related field: sustainability, environmental conservation, policy, planning, energy, etc.
- Analytical acumen and ability to synthesize large amounts of information
- Strong communication skills: written, visual and verbal
• Project management: ability to balance different tasks, likely in parallel, and keep to an established timeline
• Knowledge and familiarity with varied energy systems extremely helpful
• Experience with basic cost-benefit analyses (literacy with life cycle cost accounting and/or GHG accounting a big plus)
• Familiarity and comfort with Excel or other quantitative analysis tools
• Experience with report layout and design a plus
• Interest in climate action planning
• Curiosity and creativity, balanced with pragmatism and discernment
• Interest/experience working in higher ed a plus

**Work Location:** UNH Sustainability Institute and UNH Energy Office, Durham, NH

**Mentors:** Jennifer Andrews, Project Director, UNH Sustainability Institute
Adam Kohler, Campus Energy Manager

**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](mailto:megan.carney@unh.edu).