

Organization Name

Maine Huts & Trails

Merrie Woodworth

Education and Youth Programs Coordinator

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Contact Information

(207) 265-2400 ext. 120

Internship Title

Energy Systems Efficiency Review and Analysis

Position Description

At Maine Huts & Trails, we do everything we can to minimize our environmental impact and our carbon footprint. Guests are encouraged to power down all electronics and enjoy a screen-free experience. The huts (eco-lodges) themselves are models of sustainable building and use off-the-grid technology including solar power at all four huts and hydro-power at Poplar Hut. We use wood gasification boilers for domestic hot water and for the radiant heating system at each hut. These systems are backed up by propane fueled generators at each hut.

Poplar Hut opened in 2008 and is ten years old. Stratton Brook, our newest hut, opened in 2012. MH&T is interested in reviewing the efficiency of the current configuration of the energy systems at each hut. This analysis would ultimately include a comparison to current efficiencies in energy systems available in the market. This review is intended to inform current and future decisions around investment in these systems.

The summer intern will:

1) Learn about and become familiar with Maine Huts & Trails including mission and goals, facilities and staff and current model of operation.

2) Research and collect relevant data on:

- Energy systems in use at hut and the efficiency of each component of the system in its current configuration.
- Relevant alternative systems currently available.
- Exploration of current innovations in energy systems (and possible beta test site possibilities)

3) Analyze and present comparative data on MH&T systems and alternatives as appropriate.

4) Create a written report of project process and findings

5) Present a report on findings to selected Maine Huts & Trails staff

The MH&T Education Coordinator will be the primary contact for the intern while at MH&T. Other MH&T will support on-site internship activities as appropriate. Internship activities will be coordinated with Colby College academic advisor(s).

10 weeks at \$11/hr (35 hours per week)

Duration – 10 Weeks

Transportation available (Colby vehicles – must be Colby certified).

On-site housing will be provided at the huts. Colby College will provide housing on campus for the duration of the internship.

Qualifications Needed
(minimum GPA, skills,
coursework, etc.)

Must have valid driver's license

Must be willing and able to walk distances, carrying overnight gear, as required to access each hut (up to 3.3 miles one way).

Academic Requirements: EC131, CH141

Work Authorization

US Citizen /US National

Permanent US Resident (Green Card)

Dual Citizen

Canadian Work Authorization

Student (F-1) Visa

Academic Year

Sophomore

Junior

Internship Dates

Start Date: Summer 2018

How to Apply

Resume

Cover Letter – Describe how this internship supports your academic program or career interests.

xTranscript

Application Due Date

Hourly Compensation:

\$11/hr

350 hours/week: 35 hrs/wk
