Internship: Lead a project focused on water conservation and energy efficiency at an industrial laundry facility.

Company: Health Systems Cooperative Laundries, St. Paul, MN

The Minnesota Technical Assistance Program (MnTAP) is seeking a junior or senior college student to lead a project focused on water conservation and energy efficiency at Health Systems Cooperative Laundries (HSCL). HSCL operates a commercial laundry facility in St. Paul that processes laundry from many local hospitals. The intern will work with MnTAP and HSCL staff to quantify the use of water, electricity, and natural gas and identify opportunities to reduce the use of all three utilities.

JOB DUTIES:
As part of this project, you will be asked to complete the following tasks:

1. Develop a water balance around the entire facility and determine areas for further investigation. This will involve estimating water used in areas that do not have individual flow meters.
2. Analyze tunnel washers and small batch washers to identify novel and creative options for water and energy savings in both systems.
3. Complete an audit of the compressed air system including a draw-down test, leak study, system sizing, and pressure optimization.
4. Optimize drying operations including utility of steam dryers, drying time duration, and other observed opportunities for optimization.
5. Develop recommendations of resource reduction opportunities including, cost to implement, cost savings, simple payback, and environmental benefit.
6. Work with company management to determine the feasibility of alternative equipment, methods, or processes.
7. Create a plan for the implementation of approved changes and initiate the implementation of those plans as time permits.
8. Summarize findings in a detailed report, including recommended procedures and vendor proposals along with an economic analysis and justification of recommendations.
9. Present findings to the company and at MnTAP-hosted public presentation events.

As an intern, you will work at the company and report back to MnTAP. The position is full time, 40 hours per week, for three months to start after the conclusion of spring semester or quarter. Pay is $14.00/hour, with a lump sum stipend of $1,000 upon completion of the project deliverables: a final report and presentations. Cumulatively, this equates to $16.00/hour when averaged over the project. Candidates must be a U.S. Citizen, pass a background check and a drug test.

QUALIFICATIONS:
- Cumulative GPA of at least 3.0
- Good oral & written communication skills
- A technical academic background
- Troubleshooting skills
- Self-motivated
- Excel and other software skills
- Appropriate majors: Engineering, environmental or physical sciences and others as applicable

TO APPLY:
Apply online at:
www.mntap.umn.edu/intern/student_apply.htm
Remember to submit your application form, cover letter, resume, and unofficial transcript.
Applications can be addressed to:
Nathan Landwehr, Intern Program Administrator
200 Oak Street SE, Suite 350-1
Minneapolis, MN 55455 • landwehr@umn.edu

MNTAP IS THE HIRING BODY: DO NOT CONTACT THE COMPANY

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